

# AMWC 2023

21<sup>ST</sup> AESTHETIC & ANTI-AGING MEDICINE WORLD CONGRESS

MONTE-CARLO, MONACO  
GRIMALDI FORUM

*Abstracts*

MARCH 30-31  
APRIL 1, 2023



Under the High Patronage of H.S.H.  
Prince Albert II of Monaco



Under the scientific supervision of the  
Aesthetic Multispecialty Society (AMS)

[WWW.AMWC-CONFERENCE.COM](http://WWW.AMWC-CONFERENCE.COM)



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# ABSTRACTS

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**ABADI Rami**

Wednesday, March 29, 2023 - from 09:00 to 11:00

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

Hot Topics in Lips Perioral Region

**ATTRACTIVE SENSUAL LIPS: VOLUME RHEOLOGY**

To have the most attractive lips, we have to take multiple factors into consideration: The age of the patient, the product, and the patient's expectations. We should then tailor our technique to ensure that we align the patient's expectation with the delivered result.

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**ALINSOD Red**

Thursday, March 30, 2023 - from 09:30 to 11:40

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part I

**GYNFLIX FOR COSMETIC GYNECOLOGY E-LEARNING**

Introduction to [www.Gynflix.com](http://www.Gynflix.com), the e-Learning platform created specifically for Continuing Medical Education for Cosmetic Gynecology.

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**ALINSOD Red**

Thursday, March 30, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part IV

**ALINSOD PILLAR TECHNICAL**

A short history on the importance of the hymen in ancient times and the social issues involved are reviewed. The simple and effective Pillar Technique for hymeneal repair used for two decades is shown in detailed video.

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**ALVES Rubina**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:

Hair Restoration Agenda - The Hair Follicle

**DO TOPICAL DHT BLOCKERS WORK FOR TREATING ANDROGENETIC ALOPECIA?**

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**AMARAL Vivian**

Thursday, March 30, 2023 - from 14:00 to 16:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part III

## **WHAT TO EXPECT FROM THE USE OF PDO THREADS, CALCIUM HYDROXYAPATITE AND L-POLYLACTIC ACID IN THE TREATMENT OF VULVAR FLACCIDITY?**

Background/Objectives: Aging brings loss of fat and collagen from the labia majora (LM), making them flaccid.

Although volumetric loss is intrinsically associated with such looseness, as it is a pending area, filling with hyaluronic acid (HA) needs to be carefully evaluated due to the risk of increasing the fall of the tissues already hanging.

Our aim is to share our experience in treating LM laxity with excessive skin sagging, when HA injection is contraindicated, through the application of injectable collagen biostimulators (CB).

We have been used polydioxanone threads (PDO), calcium hydroxyapatite (CHA) and 1-poly-lactic acid (PLLA), with less complications and good results.

Methods: Since 2019, 20 women, between 30 and 60 years old were treated. Only flaccid and pending LM were addressed, as shown below:

- Bulky LM, which should not receive any additional volume, were treated with PDO;
- LM who needed minimal volumization for vulvar coaptation and better accommodation of the labia minora were treated with CHA;
- when it was desired to treat the entire genital area, involving LM, groin and pubic mound, PLLA was chosen.

The three products were inserted into the subcutaneous tissue.

CHA and PLLA injections were performed in a fan technique, by retroinjection, with cannula 22G, 5cm.

01 syringe of 1.25ml of gel with 30% CHA and 0.3% lidocaine was diluted in 5ml saline, and 2.5ml was injected into the subcutaneous tissue of each LM.

01 vial with 150mg of PLLA was diluted in 16ml of distilled water and 4ml of lidocaine, with 5ml of the solution being injected into each LM and 10ml shared between pubic mound and groin.

5 PDO screws (29G 52mm) were injected in the upper 1/3 and 5 monofilament PDO (30G 50mm) in the lower 2/3 of each LM.

All patients were treated with 2 sessions, at variable intervals, between 1 and 6 months.

About complications, we have just one small palpable non visible nodule with CHA, one infection solved with oral antibiotic and one PDO extrusion with threads and no one complications with PLLA.

Results: Although all were satisfied, we observed a higher degree of immediate satisfaction among patients treated with CHA, probably due to its immediate volumizing effect.

Despite this, after 2 months, the three treated groups had excellent results and were equally satisfied.

Conclusion: We conclude that the application of CB can be an excellent method for the treatment of vulvar sagging.

Patient expectations however need to be adequate, since unlike HA that improves immediately, CB induce collagen production in such a way that results become noticeable not before one month. Indeed, we could see best results after two months.

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### **AMBROZIAK Marcin**

Friday, March 31, 2023 - from 11:00 to 13:00

**CAMILLE BLANC**

Session:

Diversity Inclusion in Aesthetic Medicine: A Global Approach

### **LIVE INJECTION BATTLE: FEMALE PATIENTS &NDASH; CAUCASIAN ASIAN**

We will present in short the differences in not only expectations, but also tools required to satisfy Caucasian and Asian patients. Points of injection, choosing right plane and different types of HA products will be discussed by both of injectors.

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### **ANAND Chytra**

Thursday, March 30, 2023 - from 09:30 to 11:45

**BOSIO**

Session:

Aesthetic Patient Consultation

### **FACIAL GLAMORISATION, KEYS TO MAXIMISING BEAUTY**

An aesthetic consult is different from a clinical consult... and requires a different set of skills especially if it's for facial

glamorisation and beauty. How to present data to the patient so that they can understand the concept of beauty better and adhere to a plan is the discussion in this talk.

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**ANAND Chytra**

Saturday, April 01, 2023 - from 16:30 to 18:00

**PRINCE PIERRE**

Session:

Neck Décolletage Rejuvenation

**NECKLACE LINES, WHAT CAN BE DONE**

Necklace lines are a mix of sag, laxity, adhesions, pigmentation. depending on the type and severity various procedures are applied for treating them. This talk discusses the algorithm

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**AVERINA Vladlena**

Friday, March 31, 2023 - from 09:00 to 10:30

**AURIC 4**

Session:

Scars - New experience from Ukraine and worldwide

**TRAUMATIC SCARS PREVENTION: WHEN TO START?**

The year of war escalation has become devastating for many Ukrainians.

As doctors we have a lot of patients with traumas, burns, scars, contractures and traumatic tattoo.

We join into charity organization ZAGRAVA and provide patients with free qualified medical assistance and rehabilitation to restore their appearance.

In our lecture we will share our protocols of treatment and correction of facial scars and traumatic skin lesions due to wounds, scars, burns, shrapnel wounds of a military nature.

Behind every medical case is a real story, pain and hope of the Ukrainian people who survived the war.

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**AVERINA Vladlena**

Friday, March 31, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:

Tear Trough Correction

**TEAR TROUGH CORRECTION: WHAT ELSE EXCEPT HA FILLERS?**

We get accustomed that only HA can solve problem in tear trough.

But if patient has contraindications, or hernia, edematic tissue - what can we propose?

Plasmagel is the best solution. It's bioexpander and stimulator at the same time. Autologous filler with growth factors.

The presentation will outline the spectrum of benefits using plasmagel for such a specific area.

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**AVERINA Vladlena**

Saturday, April 01, 2023 - from 16:30 to 18:00

**PRINCE PIERRE**

Session:

Neck Décolletage Rejuvenation

**BONT-A FOR NECK: NORMAL OR MICRO DOSAGE?**

Both of these methods are off-label, but - what is safer, what is more effective?

From one side normal dosage due longer, but micro dosage acts softer and all over.

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**BADAWI Ashraf**

Saturday, April 01, 2023 - from 16:30 to 18:00

**BOSIO**

Session:

MINIMALLY INVASIVE SURGERY: FACE - PART 3

## **EBD FACE: MEDICAL EVIDENCE ON TECHNOLOGIES SIDE EFFECTS ON TISSUES**

The evidence of many laser applications will be highlighted during an oral presentation along with some hints about the possible side effects and how to avoid.

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**BADAWI Ashraf**

Thursday, March 30, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Regenerative Medicine Course Session 1: Regenerative Aesthetics - Claims, Evidence and Reasoning

### **LASERS LIGHT-BASED DEVICES FOR REGENERATION - WHAT'S THE EVIDENCE?**

There are hundreds or even thousands of lasers and energy based Devices in the market today.

Many of the applications claimed to be treated by those devices are based on marketing rather than true science and solid evidence.

A short oral presentation will cover that topic with some examples of marketing claims not based on true science as well as some more science based claims.

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**BADAWI Ashraf**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

### **LASER LIP REJUVENATION**

Lips are considered one of the most important facial feature. With aging the shape and the volume of the lips change. Those changes motivate many people to seek correction of the lips volume and shape. Using fillers for this indication does not always end up with the most natural look of the lips and that is why many patients now want to avoid fillers for the lips and prefer other modalities.

Here comes the role of lasers which can now be used safely and effectively to restore the structure of the lips in a completely natural, non painful way and with no down time.

How to achieve this will be explained in a short oral presentation.

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**BADAWI Ashraf**

Friday, March 31, 2023 - from 11:00 to 12:00

**AURIC 4**

Session:

ESCAD Session - Tips and Tricks in Cosmetic Dermatology

### **IMPORTANT PRIORITIES IN COSMETIC DERMATOLOGY**

While we plan for a cosmetic Dermatology procedure, it is vital to make sure that this procedure is really indicated and useful for the patient. If it is, then the patients has to be educated about all the possible side effects and how to react if one of them happens, the required skin care after the procedure, the required follow up and what to avoid.

While planing the cosmetic procedure which is part of a larger plan, what to do first and what comes later is another thing which needs yo be planned.

All those are important points in the Cosmetic practice which will be highlighted in a short oral presentation

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**BADAWI Ashraf**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 4**

Session:

ESLD Session: Laser Updates - Panel Discussion

### **LASER UPDATES**

There are many challenging situations in the field of laser applications in Dermatology which sometimes makes even the most experienced practitioners think twice before using the lasers.

Some of those situations will be discussed during a panel discussion with few of the top laser experts in the world. A session not to be missed in collaboration with the European Society for Lasers and energy based Devices "ESLD"

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**BAGEORGOU Fotini**

Thursday, March 30, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:

Combining Peeling with Injectables, EBD and Other Modalities for Optimal Results

**COMBINING CHEMICAL PEELING WITH OTHER MODALITIES FOR PERIOCCULAR REJUVENATION**

Chemical Peeling is one of the most popular procedures in the office . When combined with other modalities , they give us optimal results and happier patients especially when dealing with difficult indications such as the improvement of the periorcular area .

Join us in this interesting session and learn how you can utilize modalities that you already have available in your clinic to broaden your treatment spectrum.

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**BATSIALOU Ioanna**

Thursday, March 30, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:

New Approaches to Anti-Aging

**COMBINED REGENERATIVE THERAPIES**

In the beginning, our polyclinic's area of expertise was solely aesthetic medicine.

Generally, aesthetic medicine encompasses hyaluronic fillers, botox, and mesotherapy. Over time, our clinic expanded its field of practice by including regenerative, preventative, and anti-aging medicine. At present, Ioanna Regen polyclinic has seven medical doctors, who in addition to their own area of specialty, practice regenerative, preventative, and anti-aging medicine. Our interdisciplinary approach includes team of medical specialists - a cardiologist, an endocrinologist, a dermatologist, a dietician, an aesthetic medical specialist, an anesthesiologist, a plastic surgeon, a geneticist, and a soft surgeon specialist - who are all involved in creating both a treatment plan and program for the individual needs of every of patient. If the patient requires regenerative medicine therapy, they are required to bring a completed biochemical blood analysis, thereafter, our cardiologist, endocrinologist, and dietician will prescribe an adequate diet, supplementation, and IV infusion therapy. If the patient requires aesthetic regenerative medicine therapy, then our aesthetic medical specialist and dermatologist will suggest different courses of therapy which are offered at Ioanna Regen polyclinic. At our clinic, we believe that it is essential to combine various therapies in order to achieve the best results. These combined therapies include laser therapy, platelet-rich plasma (PRP) therapy, mesotherapy, biological therapy, collagen-stimulator therapy, peptides, stem cell therapy, chemical peels and many others. The holistic approach offered by our clinic focuses not only on improving the outward appearance of our patients, but also on emphasizing internal health by assessing and managing hormonal imbalances and other chronic disorders. As mentioned, our team of medical experts includes an anesthesiology specialist who is responsible for pain management. This encompasses patients with early stage degenerative musculoskeletal changes, for example, joint pain or pain following trauma, which can be treated with individualized biological therapy and hyaluronic fillers. These treatments are used to reduce or entirely eliminate pain or to regenerate the localized region.

With all the aforementioned therapies and procedures, Ioanna Regen polyclinic offers a new holistic approach to anti-aging medicine, whose focus lies on the lives of healthy individuals who aim to maintain their health and beauty, as well as, to age gracefully.

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**BAY AGUILERA Shino**

Thursday, March 30, 2023 - from 09:30 to 11:45

**BOSIO**

Session:

Aesthetic Patient Consultation

**THE PSYCHOSOCIAL ASPECT OF AGING**

The psychosocial aspects of aging refer to the social, emotional, and psychological changes that occur as individuals age. These changes can be positive or negative, depending on the individual's experiences and circumstances. Aesthetic procedures can help our patients have a better image of themselves allowing them to engage in youthful activities and helping them to age with integrity and a better health span.

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**BAY AGUILERA Shino**

Thursday, March 30, 2023 - from 10:00 to 13:00

**NIJINSKI**

Session:

Thriving in Diversity at AMWC Monaco

**LGBTQ PATIENT**

The culture within the LGBTQ+ community often places a high value on physical appearance and attractiveness, which may lead some individuals to feel that they need to improve their appearance through cosmetic procedures. Additionally, some gay men may also view cosmetic procedures as a way to enhance their confidence and self-esteem, which could be particularly important for those who have experienced discrimination or bullying due to their sexual orientation.

It's important to note that these reasons are not unique to gay men and may apply to individuals of all sexual orientations. Ultimately, the decision to undergo cosmetic procedures is a personal choice and should be made based on individual preferences and goals.

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**BEATY Mark**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

NAVIGATING THE LANDSCAPE OF SELFIES, SOCIAL MEDIA, AND REALISTIC EXPECTATIONS AMONG AESTHETIC PATIENTS

**SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to manage patients in the ever-changing world of digital media.

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**BEATY Mark**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

**INITIAL EXPERIENCE WITH DAXIBOTULINUMTOXIN, A NEW TO MARKET BOTULINUM TOXIN WHICH MAY OFFER INCREASED DURATION OF EFFECT**

Botulinum toxin neuromodulators have been a mainstay of aesthetic practices for decades. Daxibotulinumtoxin A is a novel neuromodulator recently introduced into the US market. Initial experience with this new to market product in our practice suggests that it may offer increased duration of effect for reduction of lines and wrinkles compared to other neuromodulators currently on the market.

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**BENITEZ ROIG Virginia**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

**SKIN TIGHTENING USING SYNCHRONOUS ULTRASOUND PARALLEL BEAM TECHNOLOGY**

Controlled thermal heating of dermal connective tissue has been shown to improve skin laxity and wrinkling. We describe a novel, non-invasive, high-intensity ultrasound with multiple arrays of low divergence beams technology generating isolated regions of tissue coagulation in the mid dermis with no epidermal damage.

The low divergence and high intensity characteristics of the beams eliminate the need to be focused and the high frequency of the ultrasound causes the dissipation of thermal energy at a depth of more than 2mm, so the adjacent structures are

unaffected. Simultaneous skin surface cooling is applied via the applicator and real-time measurement of skin temperature ensures the prevention of epidermal thermal damage. We will show some clinical and histological results in human biopsies.

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**BENSADOUN René-Jean**

Thursday, March 30, 2023 - from 09:30 to 10:45

**AURIC 5**

Session:

Preventive Anti-Aging

**PHOTOBIMODULATION (PBM) IN TISSUE REGENERATION**

Photobiomodulation (PBM) in the red or infrared spectrum has demonstrated its effectiveness in randomized controlled trials in the prevention and management of certain complications related to radiotherapy, in particular acute mucositis, epitheliitis and upper limb lymphedema. Its effect on tissue regeneration is the main effect of PBM, besides analgesic and anti-inflammatory effects. The level of evidence associated with photobiomodulation was heterogeneous, but overall remained moderate. The main limitations were the diversity and the lack of precision of the treatment protocols which could compromise the efficiency and the reproducibility of the results of the photobiomodulation. For other effects related to chemo/radiation therapy (dysphagia, dysgeusia, osteonecrosis, peripheral neuropathy, alopecia, palmar-plantar erythrodysesthesia) and haematopoietic stem cell transplantation (host graft disease), treatment with photobiomodulation suffers from a lack of studies or limited studies causing a weakened level of evidence. However, based on these results it was possible to establish parameters and doses of safe photobiomodulation practices.

Conclusion. - Published data suggest that photobiomodulation could therefore be considered as a supportive care in its own, for patients treated with irradiation, chemotherapy, immunotherapy, hormone therapy or targeted therapies, whether in clinical practice or in therapeutic trials. However, until solid data have been published on its long-term safety, the use of photobiomodulation should be considered with caution and within the parameters and recommended doses, particularly when practiced in areas of known or possible tumours. In this case, the patient must be informed of the theoretical benefits and risks of photobiomodulation in order to obtain informed consent before treatment.

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**BERGER Andre**

Saturday, April 01, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:

Rejuvenation Vitality

**KEYNOTE: NUTRACEUTICAL APPROACH TO SKIN VITALITY**

The term "nutraceutical" is derived from the combination of "nutrition" and "pharmaceutical". and can be defined as "a food (or a part of it) that provides medical or health benefits, including the prevention and/or treatment of a disease". Nutraceuticals may be used to improve health, delay the aging process, prevent chronic diseases such as obesity, increase life expectancy, or support the structure or function of the body. Nowadays, nutraceuticals have received considerable interest due to their nutritional potential, safety and therapeutic effects. This presentation will discuss the relationships between nutraceuticals and skin vitality.

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**BERROS Philippe**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:

FOCUS ON EYELID PTOSIS AFTER TOXIN TREATMENT

**PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

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**BERTOSSI Dario**

Wednesday, March 29, 2023 - from 11:30 to 13:30

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

LIVE SHOW: Lips Perioral Region



**PATIENT 3: BEAUTIFUL LIPS WITH THE LOVE APPROACH**

LIVE DEMO

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**BERTOSSI Dario**

Wednesday, March 29, 2023 - from 14:30 to 16:00

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

Hot Topics in Neck Décolletage region

**ADVANCED NECK DÉCOLLETAGE ANATOMY WITH EMPHASIS ON LAYERS ESSENTIAL FOR AESTHETIC TREATMENTS**

LIVE DEMO

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**BERTOSSI Dario**

Thursday, March 30, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:

AMWC Patients on Stage - 1 Year Follow-Up Showcase

**LIVE DEMO CASE 2: FOLLOW-UP TREATMENT FOLLOWING FULL FACE EVALUATION**

LIVE DEMO

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**BERTOSSI Dario**

Saturday, April 01, 2023 - from 14:00 to 16:00

**PRINCE PIERRE**

Session:

Real World - Small Volume - High Impact

**WHAT A DIFFERENCE A DROP MAKES. LIQUID RHINOPLASTY**

LIQUID RHINOPLASTY

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**BESINS Thierry**

Thursday, March 30, 2023 - from 09:30 to 10:30

**SALLE DES PRINCES**

Session:

Present and Future of Aesthetics

**AMWC WELCOME ADDRESS**

Just a warm welcome lecture to introduce a fabulous panel: Doris Day, Uliana goults and Kate Goldie who will share about the next future of our speciality which is moving so much! Future about fillers and toxins, future about threads, future and update about global approach to facial rejuvenation, the future in aesthetics, the regenerative treatments, what are we noticing for 2023? Fillers where are we after 25 y? A lot of exciting sessions for this 2013 AMWC Edition in our aesthetic world!

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**BEZOT Jean Francois**

Thursday, March 30, 2023 - from 09:30 to 10:45

**AURIC 5**

Session:

Preventive Anti-Aging

**KEYNOTE MYCURE: HOW TO MODEL THE P4 CONCEPT IN MEDICINE?**

English version:

My Cure©: How to model the P4 concept in medicine?

The human being of the 21st century is confronted with this contradictory reality:

- he has a vital potential allowing him to live longer on this planet,
- but he is more and more confronted with exogenous and endogenous factors that disrupt his growing faculty of longevity. Pollution of all kinds (air, food, waves, etc.), stressful lifestyles, globalization, loss of reference points, etc.

Medicine P4© (Personalized, Predictive, Preventive and especially Participatory) has become the famous international brand of Longevity Medicine.

Medicine P4© is based on the knowledge of one's inner being considering:

- the progress of science and its opening to a holistic vision of the human being,
- the complexity of human nature and the mind-body connection.

Each human being is unique and has at his birth a health/well-being capital, used over time, on which he has a capacity, in full awareness, of management and regulation.

Medicine P4© as we understand it will allow us to make relevant decisions and to be responsible for our health/wellness capital on our life path.

The global approach to the notion of health is profoundly ecological because it is in harmony with the Hippocratic tradition that health is a balance between environmental influences, lifestyles and the various components of human nature.

This global health approach allows for personalized, predictive and preventive biological profiles (biopredix.com) designed to optimize physical fitness, manage stress and avoid unnecessary and deleterious physiological and psychological suffering.

Here is the real personalized prevention within the framework of a medicine of optimization of longevity and improvement of the state of well-being.

This Medicine P4© is the basis for the advent of Biological Cures (My Cure© City, My Cure© Nature) where medical tourism will find its letters of nobility, the acquisition of a great notoriety according to an acquired competence.

This My Cure© concept of self-knowledge is distinguished by its audacity and is in total adequacy with who we are in this world:

- based on the idea that we are unique, that we each have our own organic/physiological/energetic/emotional specificity and that at the same time we are in interaction with others and with everything in the universe,
- it is thus a question of being as close as possible to who we are, to what we are "made of" now, while (and this is the audacity of each one) going to the meeting (while being accompanied) of all that it is for oneself possible to do to go well, to go better and for a long time.

My Cure© is a pledge of seriousness, commitment, and dedication to a noble cause: the well-being of everyone (who wishes it) far from any formatting, but on the contrary with a constant concern for "tailor-made" in the respect of the individual, his uniqueness and his autonomy of thought and action.

Dr Bézot J.F.

Biologist

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French version:

My Cure© : How to model the P4 concept in medicine ?

L'humain du 21ème siècle est confronté à cette réalité contradictoire.

- il dispose d'un potentiel vital lui permettant de vivre plus longtemps sur cette planète,
- mais il est de plus en plus aux prises avec des facteurs exogènes et endogènes qui viennent perturber cette faculté grandissante de longévité. Pollutions en tous genres (air, aliments, ondes, etc.), mode de vie stressant, mondialisation, pertes de repères, etc.

La Médecine P4© (Personnalisées, Prédicative, Préventive et surtout Participative) est devenue la fameuse marque internationale de la Médecine de la longévité.

La Médecine P4© est basée sur la connaissance de son être intérieur tenant compte :

- des progrès de la science et de son ouverture à une vision holistique de l'humain,
- de la complexité de la nature humaine et du lien corps-esprit.

Chaque être humain est unique et dispose à sa naissance d'un capital santé/bien-être, utilisé au fil du temps, et sur lequel il a une capacité, en pleine conscience, de gestion et de régulation.

La Médecine P4© telle que nous devons la concevoir va nous permettre la possibilité de prendre des décisions pertinentes et d'être responsable de notre capital santé/bien-être sur notre chemin de vie.

L'approche globale de la notion de santé est profondément écologique car elle est en harmonie avec la tradition hippocratique qui veut que la santé soit en équilibre entre les influences environnementales, les modes de vie et les diverses composantes de la nature humaine.

Cette approche de santé globale permet des profils biologiques (biopredix.com) personnalisés, prédictifs et préventifs, destinés à optimiser la forme physique, gérer le mauvais stress et éviter les souffrances physiologiques et psychologiques inutiles et délétères.

Voici la véritable prévention personnalisée dans le cadre d'une médecine de l'optimisation de la longévité et de l'amélioration de l'état de bien-être.

Cette Médecine P4© est la base pour l'avènement des Cures Biologiques (My Cure© City, My Cure© Nature) où le tourisme médical trouvera ses lettres de noblesse, l'acquisition d'une grande notoriété en fonction d'une compétence acquise.

Ce concept My Cure© de connaissance de soi se distingue par son audace et est en totale adéquation avec qui nous sommes dans ce monde :

- partant de l'idée que nous sommes uniques, que nous avons chacun(e) notre spécificité organique/physiologique/énergétique/émotionnelle et qu'en même temps nous sommes en interaction avec les autres et tout ce qui compose l'univers,
- il s'agit donc d'être au plus près de qui nous sommes, de ce dont nous sommes « faits » à l'instant T, tout en (et c'est là l'audace de chacun) allant à la rencontre (en étant accompagné) de tout ce qu'il est pour soi possible de faire pour aller bien, pour aller mieux et longtemps.

My Cure© est un gage de sérieux, d'engagement, et de dévouement au service d'une noble cause : le bien-être de tout un chacun (qui le souhaite) loin de tout formatage, mais au contraire avec un constant souci du « sur mesure » dans le respect

de l'individu, de son unicité et de son autonomie de pensée et d'action.

Dr Bézot J.F.  
Biologiste

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**BHOJANI-LYNCH Tahera**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:

Periocular Rejuvenation

**LIVE INJECTIONS: ILLUMINATE YOUR PATIENT LOOK WITH 3RD GENERATION DERMAL FILLERS**

Dr Tahera Bhojani-Lynch will present "The Ten Minute Treatment" for Periocular Rejuvenation and will be demonstrating periocular dermal filler injections for upper and lower eye improvement with simple safe reproducible techniques. Illuminate your patients look with 3rd Generation Dermal Fillers

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**BLYSHCHUK Oksana**

Friday, March 31, 2023 - from 09:00 to 10:30

**AURIC 4**

Session:

Scars - New experience from Ukraine and worldwide

**CLINICAL CASES OF THE TREATMENT OF POST-TRAUMATIC CONTRACTURES OF THE SKIN. STEP BY STEP PROTOCOL.**

Assessment of scar maturity.  
Assessment of the severity of skin contracture and as a result impaired limb function and additional instrumental methods of diagnosis.  
Preparation of affected tissues for laser treatment.  
Combination of ablation and fractionation modes in scar therapy.  
Results in photo protocols.

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**BONAN Paolo**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

**MELASMA AND 675 NM WAVELENGTH: A NEW AND GREATLY EFFECTIVE LASER WITH A FULL AFFINITY FOR FIBROBLAST AND MELANIN**

The new 675 nm wavelength device acts directly on the collagen component and selectively targets dermal collagen (unlike laser systems that use wavelengths below 650 nm which are highly absorbed by hemoglobin and the ones over 950 nm which are mainly absorbed by water): The mechanism is based on the heat transfer directly to the collagen fibers without interfering with other chromophores. The energy supplied to the collagen is able to induce its regeneration, thus favoring the production of dermal collagen and the straightening of the elastic fibers. This new laser device has also been proposed for the treatment of other collagen-rich lesions, such as acne scars, with very encouraging results. Furthermore, thanks to its high affinity for melanin, with a minimal but specific interaction with vascular component, this device has been also proposed for pigmented disorders treatment such as Melasma. We assessed the clinical effectiveness and safety of this new 675 nm fractional laser for treating facial photoaging and melasma.

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**BONUCCELLI Carlo Giuseppe**

Friday, March 31, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

**EFFICACY OF MICRONEEDLE RADIOFREQUENCY IN THE TREATMENT OF AGA**

Androgenetic alopecia is the most common form of alopecia affecting both males and females. In the course of life can affect up to 50% of women and 80% of men causing a progressive hair shedding, hair thinning and reduction of hair pigmentation. Numerous treatments, with variable results, have been proposed to promote hair growth and prevent hair loss. The purpose of this study was to evaluate the safety and efficacy of microneedle radiofrequency in inducing hair growth and preventing hair

loss. Several patients received 5 microneedle radiofrequency treatments every 3 weeks and were followed up 6 weeks after the last treatment. Patients demonstrated faster hair growth, fuller hair, an increase in hair thickness and a reduction in hair shedding.

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**BOSCHER Claude****AURIC 5**

Friday, March 31, 2023 - from 16:30 to 18:00

Session:

Latest Research on Medical Conditions

**RETINA AND EARLY DETECTION OF NEURODEGENERATIVE AND CARDIO-VASCULAR DISEASES**

There is currently a missing link between the anti-aging and the retinal communities: Age Macular Degeneration (AMD) is rarely quoted among age-related diseases, and aging fundamentals are mostly ignored among retinal physicians. The retina is part of the Central Nervous System (CNS). AMD retinal risk factors and Alzheimer are long-correlated. It is known from a recent very large cohort study that the presence of at least two age-related pathologies increases the risk for Alzheimer, and AMD world prevalence is predicted to increase from 195 million people affected by 2020 to 243 millions by 2030. In the last two decades, basic research regarding dysfunctionings of the Retinal Pigment Epithelium and of the choroidal circulation on one hand, and the retinal evaluation armentorium on the other hand, have been considerably enriched. Multi-modal imaging including Spectral-Domain Optical Coherent Tomography (OCT), OCT-Angiography and Cine-Video-ICG Angiography allow early detection of indirect signs of autophagy and waste removal deficiencies, and visualize ischemia of the microcirculation. The most significant correlations will be presented here. Segmented retinal atrophy is predictive of Parkinson disease. Hypertension can be detected by retinal vessels examination up to seven years prior to clinical presentation. Pseudo-reticular drusen deposits in the macula are correlated to cardio-vascular pathologies. Moreover, angiographic alterations of choroidal venous walls and rheology suggest leucocyte block and potential persisting infections, a trendy current concept in CNS diseases.

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**BOTERO Luis Fernando****NIJINSKI**

Friday, March 31, 2023 - from 11:00 to 13:00

Session:

X-Ray of the Latino Stereotype and Its Treatment (Session AMWC LATAM)

**MOST VALUED BODY FEATURES (AND TREATMENT)**

What is the use of knowing the bodily changes of women in the different stages of life compared to aesthetic medical treatments?

**INTRODUCTION**

The body characteristics of women are part of the clinical vision for the diagnosis of various diseases such as metabolic pathologies, infertility, cancer, and autoimmune disorders. Race, and socioeconomic status, followed by cultural migration, lead to globalization in lifestyles and habits which generate epigenetic changes that over the years are transcendental for the phenotype of women today. The Latino stereotype is characterized because its waist-hip distribution is pear-like, and with the changes of globalization metabolic risks increase, but also the purely physical traits are causes of low self-esteem and more consultants. Currently, patients come to the aesthetic consultation in search of alternative treatments to improve their physical appearance, but perhaps masking different pathologies such as obesity, metabolic syndrome, polycystic ovary syndrome, hirsutism, and eating disorders, among others. Therefore, the female phenotype and life stage take great importance for a good anamnesis and a complete physical examination, which provide sufficient information for the appropriate orientation of patients for their aesthetic treatments.

**DEVELOPMENT**

For the promotion and prevention of healthy habits, as well as the decision to indicate to patients the appropriate at the time of performing an aesthetic procedure for adiposity, it is necessary to review some aspects related to the evolution and body changes that women have over the years. The association of age and the increase in obesity, due to eating habits during life due to the consumption of saturated fats, sugars, sedentary lifestyle, stress, and menopause; as a predisposition of cardiovascular risk due to the increase in waist-hip fat, in addition to the increase in visceral fat, low schooling, and lower socioeconomic status, race, in addition to metabolic disorders of genetic origin such as hyperandrogenism associated with polycystic ovary Sind, are some of the relevant factors in the evolution of the female phenotype and body disorders, for which a good anthropometric physical examination including bioimpedance is necessary, to establish a prediagnosis and appropriate therapeutic guidelines for patients concerning their needs and expectations.

**DISCUSSION AND CONCLUSIONS**

A complete physical examination in patients who want a body aesthetic treatment is necessary for a good result, in addition to the latest technologies, making lifestyle changes contributes to epigenetics, decreases metabolic age, and therefore complications related to the passage of time improving quality of life.

Keywords: Female phenotype, epigenetics, metabolism.

**References**

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3. de Luis, D. A., Aller, R., Izaola, O., Gonzales Sagrado, M., Conde, R., & Perez Castrillon, J. L. (2008). Effects of lifestyle

modification on adipocytokine levels in obese patients. European Review for Medical and Pharmacological Sciences, 12(1).  
4. Soto Prieto Mercedes (2012). Genómica nutricional en la prevención de la obesidad y factores de riesgo cardiovascular. Estudio de interacciones gen-ambiente sobre fenotipos intermedios en población española. Tesis Doctoral. Universidad de Valencia. España.

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**BOTERO Luis Fernando**

**NIJINSKI**

Friday, March 31, 2023 - from 11:00 to 13:00

Session:

X-Ray of the Latino Stereotype and Its Treatment (Session AMWC LATAM)

**INCREASE IN BODY CURVES**

For Latin women, it is very important to maintain the lines and curves of their face and body, that's why multiple filler treatments and Biostimulation are used to preserve projection and taut skin despite the passing of the years.

In this conference, usual markings will be shown to deal with the use of PLLA, one of the best Biostimulators on the market, used in multiple areas of the body including hands, neck, abdomen, buttocks and arms to expand by 360 degrees all the areas that we can cover in skin tightening treatment in our patients.

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**BOUHANNA Pierre**

**BOSIO**

Friday, March 31, 2023 - from 14:00 to 16:00

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

**HAIR TRANSPLANT OR SYNTHETIC HAIR TRANSPLANT- THE INDICATIONS**

Actually, hair restoration for permanent alopecia is almost always possible by means of hair transplant, either by extraction with prior shaving (FUE), or by segmentation under the microscope of a strip without shaving (FUT for long hair).

In the field of hair restoration, synthetic hair implants (SHI) have progressively become a satisfactory solution in some particular cases.

These long hairs of the patient's own hair colour are inserted one by one with a needle into the skin, to which they remain attached by an "anchor" coated with a substance that reduces inflammatory reactions and rejection. They do not grow and will always keep their initial length.

To be considered an effective methodology, SHI must not only be biocompatible but also have immediate and visibly aesthetic results.

The duration of SHI is variable.

The complications of SHI, such as folliculitis, seborrheic dermatitis and scar pitting follicular seborrheic deposit, are well-documented. In most cases, these complications can be preventable or treatable.

A preliminary test of 48 hairs will be done on a small area to check the tolerance and durability of the implants. This also allows the patient to appreciate the aesthetic result.

For over thirty years, we have studied and published work on synthetic hair implants and more recently on Hairstetics® hair. We have been able to observe its reliability and good tolerance.

Schematically, when faced with almost a female patient suffering from definitive alopecia:

o If the graft donor area is sufficient after measurement with digital trichoscopy (Trichoscale®), we propose as a priority a hair transplant if possible without shaving and with minimal scars in order to obtain a definitive result.

The patient is warned that any hair removed is permanently removed from the donor area.

o If the donor area of the grafts is insufficient in spite of prior medical treatment, we propose an implantation of synthetic hair (Hairstetics®).

The patient is warned of their gradual loss but without sequelae in the years that follow (3 years on average) despite the recommendation of good hair hygiene.

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Conclusion:

Synthetic hairs are of variable reliability, durability, and tolerance depending on the procedure selected. The indications for this treatment seem to be contraindications to conventional hair transplant techniques using the patient's own hair, which alone guarantees a definitive and unconstrained result. Based on the results of our studies about two different kinds of SHI, we are able to give some useful comments but it will be necessary to carry out further clinical objective evaluation.

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**BRAMBILLA Massimiliano**

**CAMILLE BLANC**

Thursday, March 30, 2023 - from 16:30 to 18:30

Session:

Regenerative Medicine Course Session 2: Face of the Future - Regenerative Tools, Techniques and Applications

**PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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**BRAZ André**

Thursday, March 30, 2023 - from 11:30 to 13:00

**PRINCE PIERRE**

Session:

Lower Face Rejuvenation - Jawline Chin

**LOWER FACE: REJUVENATION TREATMENTS WITH FILLERS, TOXIN AND BIOSTIMULATORS**

A phase 2 study determining the best dosing for treating masseter hypertrophy with onabotulinumtoxin A.

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**BUCKER Berno**

Saturday, April 01, 2023 - from 11:00 to 13:00

**GENEVOIX**

Session:

Socially Transformative Aesthetic Medicine: The Intersection of Social Psychology, Technology, and Medical Aesthetics

**SOCIAL PSYCHOLOGY: THE SCIENCE BEHIND FIRST IMPRESSION AND TRAIT PERCEPTION**

Everyone quickly and inevitably forms impressions of others based on their facial appearance. Within milliseconds we automatically judge for example to trust, like, approach or avoid someone. There is even a specialised area in our brains (fusiform face area) that is dedicated to face perception and together with a complex network of other brain areas it enables our face-reading skills. Forming first impressions might be a subconscious and automatic process, but first impressions have significant implications both socially as well as economically. By influencing how others behave towards you, first impressions and face based trait perception can have serious impact on real life outcomes such as finding (romantic) relationships and professional success.

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**BUZZACCARINI Giovanni**

Thursday, March 30, 2023 - from 11:40 to 13:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part II

**BOTULINUM TOXIN INJECTION IN VULVA AND VAGINA. EVIDENCE FROM A LITERATURE SYSTEMATIC REVIEW.**

Introduction: Botulinum toxin (BoNT) administration has been proposed in the gynecologic field for pelvic, vulvar and vaginal disorders. On this regard, we aimed assessing the therapeutic effectiveness and safety of BoNT usage in the treatment of vaginal, vulvar and pelvic pain disorders.

Methods: We searched for all the original articles without date restriction until 31.12.2021. We included all the original articles which administered botulinum toxin in the vulva or vagina of women suffering from vaginismus, dyspareunia, and chronic pelvic pain. Only English studies and those performed in humans were eligible. We excluded all case reports and pilot study from the qualitative analysis, although we accurately evaluated them. 21 original studies were finally included in the systematic review.

Results: Botulinum toxin injection was found to be effective in improving vulvar and vaginal dyspareunia, vaginismus, and chronic pelvic pain. No significant side effect was detected. The risk of bias assessment proved original articles to be of medium quality. No metanalysis could have been performed since lack of congruency in the definition of pathology and methods of botulinum toxin administration.

Conclusion: Data extraction pointed out different endpoints and different methods of analysis. Studies focus on different types of participants and use various techniques and timing. According to the best evidence available, different techniques provide evidence about study incongruency and the need for a standardized protocol.

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**CARMAN Timothy**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:  
Hair Restoration Agenda - The Hair Follicle

### **HOW HAIR DEFINES CULTURE**

This broad talk will look at the impact of hair on socioeconomic and cultural differentials within and between human groups throughout history.

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**CARMAN Timothy**  
Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:  
Hair Restoration Agenda - Hair Health and Disease

### **THE REPRESENTATION OF HAIR DISEASE AND LOSS IN ART**

This talk will observe fine art, film and theater as references throughout history that illustrate humans dealing with hair loss issues.

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**CASTILLO GARZON Manuel J.**  
Saturday, April 01, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:  
Insights Into Anti-Aging Prevention

### **AGING AND ANTI-AGING: GLUCOSE, INSULIN, GLUCAGON, GLP-1, FAT**

Aging determines changes in body composition characterized by an increase in the proportion of fat and loss of muscle mass. Preventing fat accumulation is, therefore, anti-aging treatment. In addition, excessive fat accumulation determines insulin resistance, metabolic syndrome and increased risk for cardiovascular disease, all of them health problems associated with aging. In humans, fat (triglycerides) is formed in the liver and accumulates mainly in adipose tissue and, to a lesser extent, in muscle. Both the formation and accumulation of fat are regulated by the insulin/glucagon molar ratio (Ins/Glon ratio). A high Ins/Glon ratio determines the synthesis of fatty acids and triglycerides in the liver that are exported to the circulation through VLDL. In peripheral tissues, especially adipose tissue and muscle, insulin activates lipoprotein-lipase, allowing fat incorporation into the cell. This fat may come from endogenous triglycerides (in VLDL), and exogenous triglycerides (in chylomicrons). Simultaneously, a high Ins/Glon ratio inhibits hormone-sensitive tissue lipase, inhibiting lipolysis and favoring tissue accumulation of fat. A low Ins/Glon ratio has the opposite effect: decreases fat accumulation, favoring lipolysis, increasing the release of free fatty acids into circulation. In case of physical activity and/or fasting, they will be consumed by the active muscle. In case of low activity (sedentary lifestyle) or frequent meal intake, fatty acids will be reincorporated by the liver into triglycerides, closing the vicious circle described above which lead to fat accumulation, even in the liver itself. The Ins/Glon ratio is controlled by blood glucose through a closed-loop feedback system in which glycemia itself (which is the result of the balance between hepatic production or intestinal absorption/hepatic and peripheral uptake) is in turn controlled by the Ins/Glon ratio. Three factors have a decisive influence on this loop, determining an increase in the Ins/Glon ratio: Frequent feeding and/or meals of high glycaemic index; lack of physical activity; chronic stress that, through the increase in cortisol, determines insulin resistance, slight increase in blood glucose and compensatory increase in the Ins/Glon ratio. Due to its incretin effect, GLP-1 anticipates the release of insulin, attenuating postprandial hyperglycemia and, with it, preventing a further long-lasting increase in the Ins/Glon ratio. Through this mechanism it may limit the formation/accumulation of fat in postprandial state. Furthermore, directly, as a glucagon-like molecule, it adds its effects to glucagon, helping to reduce the ratio mimicking the effects of physical activity in the post-absorptive state. Finally, at hypothalamic level, GLP-1 contributes to increasing the satiety/hunger-appetite-gathering ratio, both in an absorptive situation (limiting intake), postprandial (prolonging the feeling of satiety) and post-absorptive (decreasing appetite, hunger and particularly of hyperglycemic foods which contribute the most to increasing the Ins/Glon ratio). Finally, prolonged high blood glucose levels either in the absorptive or post-absorptive state determine non-enzymatic glycation of functional structures, another process associated to aging with deleterious consequences.

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**CAVALLINI Maurizio**  
Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:  
Periocular Rejuvenation

### **PATTERN OF CONTRACTION IN THE CORRECTION OF CROW'S FEET WITH BOTULINUM TOXIN**

Basing on the different pattern of contraction of orbicularis oculi muscle, the correction of crow's feet must be tailored choosing the different unit of bt toxin to be used. The author presents the personal experience based on the last personal published paper about this topic

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**CAVALLINI Maurizio**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

**UPDATE IN THE USE OF HYALURONIDASE: CLINICAL AND EXPERIMENTAL EVIDENCE**

The author presents the personal experience in the use of hyaluronidases in filler complication , focusing on both the different behaviour of different ha fillers in contact with hyaluronidases and the safety and in vitro impact on fibroblast viability

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**CELLA Gabriela Andrea**

Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

**TREATMENT OF THE LATINOAMERICAN SKIN**

Latin American skin types have important characteristics that make them different due to the racial mixture of their ancestors and migration from all over the world.

This determines a wide range of skin tones where Fitzpatrick phototypes from II to V predominate, with thicker dermis.

Also we must consider lifestyles and geographical area where they live.

A hyperpigmentary response is common, with the development of melasma and post-inflammatory pigmentation. Even dark circles under the eyes.

The pigmentation of the lines of the hands is a risk marker for hyperpigmentation.

There are more inflammatory conditions such as eczema and scars.

All of these affect the patient's perception of health and beauty.

Skin care tips and a therapeutic approach will be given.

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**CHAO Yates Yen-Yu**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

When to Stop Treatments With Fillers

**AWAY FROM AESTHETIC INJECTABLE FILLER IMPERFECTIONS**

Unightly results from injectable fillers could be noted quite often and occur much more than the major complications most aesthetic medical conferences are focusing on. Errors committed during the treatment process could be prevented following the principles that will be introduced in this talk.

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**CHAO Yates Yen-Yu**

Friday, March 31, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:

Tear Trough Correction

**TEAR TROUGH ANATOMY AND FILLER INJECTION TECHNIQUES**

Tear trough treatment has been one of the most requested injectable procedures and been filled in tremendously diverse ways based on different principles. However, this is quite often the injection done be spotted because of its unnatural contour, color and facial expression. Reflection from correct understanding of the tear anatomy and filler material could help us better improve treatment results.

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**CHAO Yates Yen-Yu**

Saturday, April 01, 2023 - from 09:15 to 10:45

**SALLE DES PRINCES**

Session:

Maxi Live - Forehead Temporal Area



## **FOREHEAD TOXIN TREATMENT CONTROVERSIES**

Traditional aesthetic toxin treatment protocols are more based on experiences passing from the initial users than scientific design and plan based on myoneurological structures. The details of toxin injection should be more individualized considering the target muscle profile and innervation than chasing the lines of dynamic wrinkle though just different arrays of injection spots.

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### **CHAO Yates Yen-Yu**

Saturday, April 01, 2023 - from 16:30 to 18:00

**SALLE DES PRINCES**

Session:

NLF and Bitterness Triangle

### **MODIFIED HA INJECTION TECHNIQUE FOR LOWER FACIAL FOLDS**

Filler injections are often rationalized through dissection studies and expected to fill structural deficiencies. However, pathognomonic corrections are not usually possible as injection materials are only flowable gels. Lower facial aesthetic problems should be approached through different injection techniques to achieve the most possible improvement.

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### **CHAUCHARD Claude**

Thursday, March 30, 2023 - from 17:30 to 18:30

**AURIC 5**

Session:

Innovative Points of View in Anti-Aging

### **ANDROPAUSE AND SEXUAL AGING: THE IDEAL THERAPEUTIC APPROACH**

We age because our hormones decline, our hormones don't decline because we age. Testosterone Replacement therapy is safe and can provide dramatic benefits for Men. Testosterone already discover over 70 years, but to become very popular it take time and doctors are confused between the dilemn do it and don't do it. How to handle the HRT in Men and how to balance all these hormones, testosterone, DHT, oestradiol, sex hormone binding globulin, and all these enzymes, 5a reductase phosphodiesterases. This is the objection of my to say presentation. In other way what is the best therapeutic approach in Male Aging, Male Andropause and male sexual aging. Be there to know.

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### **CHENG Huiwen**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 4**

Session:

Cosmetic Dermatology for Asian Patients - Taiwan's Perspective

### **LOWER FACE SCULPTING- MY EXPERIENCE WITH COMBINATION TREATMENT**

As aging proceeds, the profiles of the lower face change through different aspects: bone resorption, loss of subcutaneous support, and skin laxity. We will combine tools with variable modalities aimed to contour and enhance the appearance of the lower face, including the jawline, chin, and cheeks.

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### **CHHABRA Chiranjiv**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

When to Stop Treatments With Fillers

### **LOSS OF FACIAL HARMONY - A FREQUENT SIDE EFFECT OF HA FILLER INJECTIONS**

Introduction Dermal fillers are one of the fastest growing facial aesthetic procedure today . They are popular because results are immediate and visible and last for a relatively long period of 1-2 years .Another reason of acceptability of this procedure is lower cost to patient compareed to surgical correction . A variety of dermal fillers at differing costs are availabl to the consumer and so this treatment appeal to a larger group of people . The downside to this treatment is the fear of overfilling , over correction and wrong placement of the product . This can be either patient related or injector related . At the level of the physician this could be due to poor understanding of facial aesthetic anatomy , poor understanding of beauty and cultural aesthetics ,less training , and pushy sales by the physicin team . At the level of the patient , following trends , desperation to look better , facial dysmorphia , desire to look like celebrities and repeated doctor hopping coften results in loss of facial harmony .

Methodology - We observed the patients coming to our aesthetic practice for filler injection , patients whho visted our clinical

practice for service other than fillers but had got fillers done in the past from other injectors . With the consent of the patient we gathered the history related to previous dermal filler injections and did a complete physical examination . Evaluated the observations with present relevant facial beauty criteria. The evaluation was done by 2 consultants independently .  
Discussion - The frequent cases of dysharmony observed were overfilled tear troughs , overfilled cheeks superiorly laterally , exaggerated anterior projection of cheeks , overcorrection of lips with exaggerated elevation of angle of lips , Most patients were aware and unhappy with the dysharmony . A small percentage was oblivious .  
Conclusion -A more extensive training in facial aesthetic anatomy , skills ,study of beauty ideal in different cultures , and a more structured consultation with patient and empathetic attitude , at level of the treating doctor can help to reduce dysharmony in results

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**CHRISTIE Andrew R.**

Thursday, March 30, 2023 - from 15:00 to 16:00

**GENEVOIX**

Session:

Regenerative medicine synergy - A new approach with Dermapen and Exosome delivery

**REGENERATIVE MEDICINE SYNERGY - A NEW APPROACH WITH DERMAPEN AND EXOSOME DELIVERY**

The advances in regenerative medicine, combined with the popular technique of microneedling, provides a powerful stimulus to initiate controlled, regenerative wound healing.

Dermapen 4 offers unparalleled potential and opportunity, facilitating mechanical and chemical regeneration.

With safe administration on all Fitzpatrick Skin Types and ethnicities, the non-thermolytic and non-ablative approach delivers the ultimate versatility for infusion of active substances, agents and drugs. Customisable needle depth and oscillation ensures face, body and scalp pinpoint precision—for every patient, every procedure, every time.

Overcoming the traditional limitations of donor dependency, MG-EXO-SKIN by Dp Dermaceuticals reinvents chemical regenerative synergies with potent cell-free, exosome and patented peptide innovations. Combined with telomere activators, retinaldehyde and a nano delivery system, the traditional boundaries of autologous rejuvenation are extended with unlimited opportunity. A new synergistic approach reinvents regenerative medicine particularly via umbilical-derived, MSC-derived exosomes.

This symposium will broaden skin needling concepts to deliver intense versatility. The synergy of mechanical and chemical regenerative cascades delivers new opportunities and successes for all major aesthetic indications.

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**CLARK Joseph**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

MY PATIENT HAS BDD, NOW WHAT?

**THIS PANEL DISCUSSION WILL REVIEW ILLUSTRATIVE CASES OF OUR OWN PATIENTS WITH BDD AND HOW DIFFERENT INDIVIDUALS MANAGE THEM**

Body dysmorphic disorder (BDD) is a disease spectrum which is commonly encountered in the cosmetic patient population. It affects between 4 - 33% of patients presenting for cosmetic procedures and is seen in every cosmetic practice. Often BDD isn't recognized until after we taken a patient into our practice and established a care relationship making management challenging. This panel discussion will review illustrative cases of our own patients with BDD and how different individuals manage them. Special consideration to discussing pearls and approaches to managing these difficult cases.

Panelists:

- Brittany Howard MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
  - Lisa Grunebaum MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
  - J. Madison Clark MD, Facial Plastic Surgery, University of North Carolina, Chapel Hill, NC, USA
  - Sabrina Fabi MD, Dermatologic Cosmetic Surgeon, Cosmetic Laser Dermatology, San Diego, CA, USA
  - Nicole Kanaris MBBCh, Advanced Aesthetic Minimally Invasive Surgeon, Med Aesthetique, SA ALT Beauty, SA
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**CLATICI Victor Gabriel**

Friday, March 31, 2023 - from 11:00 to 12:00

**AURIC 4**

Session:

ESCAD Session - Tips and Tricks in Cosmetic Dermatology

**WHAT IS NEW IN MELASMA TREATMENT?**

Melasma is a commonly acquired hyper melanosis characterized by symmetric, reticulated hyperpigmentations of

sun-exposed areas of the skin, particularly the face. Melasma has a higher prevalence in women and patients of darker skin tones, although it can occur in all skin types.

The hyperpigmentation caused by melasma often has a negative psychosocial impact on those affected with the condition, as demonstrated by patient-reported anhedonia, decreased self-esteem, dissatisfactory mood, and impairment in social and occupational functioning.

The pathogenesis of melasma is still unclear. However, various factors such as ultraviolet radiation exposure, genetic predisposition, and hormonal influences have been implicated and well-supported.

Features of the involved skin include solar elastosis and increased mast cells, dermal blood vessels, altered basal membrane, abnormal barrier function, and expression of vascular endothelial growth factor.

The latest evidence on the pathophysiology of melasma suggests that melasma might be a photoaging skin disorder affecting genetically predisposed individuals.

Due to the incomplete understanding of its pathogenesis and the high recurrence rate, melasma remains a complex disorder to manage, resulting in physician frustration and patient dissatisfaction.

Several topical, oral, and procedural treatment options are available with varying mechanisms of action addressing the multifactorial nature of the disorder. The treatment of melasma remains highly challenging, with inconsistent results and almost constant relapses.

A multimodality approach addressing the multifactorial nature of the disorder is optimal.

Daily photoprotection (with broad spectrum sunscreens that combine UVA and UVB filters with visible light blockers), topical therapies, chemical peelings, systemic products, and procedures (chemical peels, micro-needling, and lasers) could be used in various combinations in order to treat melasma.

Several new therapies are emerging as promising agents to treat melasma, but further clinical studies are warranted to investigate their efficacy.

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## **CLAUDE Olivier**

**BOSIO**

Saturday, April 01, 2023 - from 09:00 to 10:30

Session:

Minimally Invasive Surgery: Breast Body

### **HOW TO IMPROVE A MILD LIPOSUCTION**

Nowadays a mild liposuction can be improved by using :

- 1> A global approach
- 2> Internal Ultrasound and internal Radiofrequency
- 3> Nanofat injections

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## **COELLO Alejandro**

**NIJINSKI**

Friday, March 31, 2023 - from 11:00 to 13:00

Session:

X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

### **LATIN HABITS**

In Latin America, the functional aesthetic medicine emphasizes treating the whole person. Instead of looking at a healing just the symptom, an integrative and functional approach will look for the root cause. After taking a careful and detailed history, we create a personalized wellness plan that fits well with the lifestyle of our patients. Treatment plans for skin conditions typically blend addressing gut health, environment, UV damage, mold exposure, toxins and heavy metals, and supporting detox pathways, and healthy lifestyle choices.

Individualized skin care wellness plans could include:

- \* Clinical nutrition and dietary shifts incorporating anti-inflammatory foods
- \* Clean beauty products and proper sun protection
- \* Incorporating herbal products
- \* Nutritional supplements and probiotics
- \* Personalized lab testing
- \* Restorative and regenerative sleep
- \* Stress management strategies such as mediation and mindfulness
- \* Encouraging supportive relationships

**COELLO Alejandro**

Thursday, March 30, 2023 - from 09:30 to 11:45

**BOSIO**

Session:

Aesthetic Patient Consultation

**TRANSITORY AESTHETIC AMNESIA... WHAT OCCURS IN THE PERCEPTION OF OUR PATIENT APPEARANCE BEFORE AN AESTHETIC PROCEDURE**

Abstract

Aesthetic procedures are increasingly common, however, the consequences that these have on the patient's body perception in terms of before and after treatment are little studied. Aesthetic amnesia is a term that seeks to be introduced. This bibliographical review addresses the neurological definition of amnesia and the explanation of the term "Aesthetic Amnesia" as such, without influencing a pathological or traumatic approach.

Keywords: Amnesia, perception, aesthetic surgery, aesthetic treatments.

Introduction

Little is known about the experiences lived by our patients after an aesthetic procedure. Many studies address surgical techniques, injection plans or physical symptoms, the possible causes for which a person undergoes aesthetic treatment, but few studies address the perception of "the new face or the new body" acquired through said treatments, the memory of the previous appearance or forgetting it.

By definition, amnesia is the result of impaired memory functions, without impairment of other functions.

It is the partial or total inability to remember the experiences or the impossibility of storing memories after a causative event.

Memory processing consists of:

- The ability to incorporate new information: registration
- The formation of associations, other processes necessary to recover them: coding
- Recovery

Deficit in any of these steps can cause amnesia.

According to recent evidence, memory can be conceptualized as a series of subsystems that work together to achieve the same ultimate goal, remembering.

Results

A bibliographic search was carried out in databases indexed with the terms "absence of body perception after an aesthetic treatment" filters were made for the last 5 years. This result yielded approximately 250 articles, but not all of them were useful due to the exclusion criteria of the study. The first 100 articles are reviewed, which mostly talk about plastic surgeries after a serious illness, which makes the number of selected articles decrease to 5 that can be used for said study.

Additionally, a survey on body perception in healthy patients that contains 3 questions is carried out. This survey was aimed at doctors specializing in aesthetic medicine, dermatologists and plastic surgeons. This interview was answered by 336 doctors with these specialties in Latin America.

This article reveals another clinical aesthetic pathology in our field. Transitory Aesthetic Amnesia.

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**COHEN Maria Fernanda**

Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

**INCREASE IN BODY CURVES**

For Latin women, it is very important to maintain the lines and curves of their face and body, that's why multiple filler treatments and Biostimulation are used to preserve projection and taut skin despite the passing of the years.

In this conference, usual markings will be shown to deal with the use of PLLA, one of the best Biostimulators on the market, used in multiple areas of the body including hands, neck, abdomen, buttocks and arms to expand by 360 degrees all the areas that we can cover in skin tightening treatment in our patients.

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**CRISOSTOMO Marcio**

Friday, March 31, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

**MODERN TECHNIQUES IN HAIR TRANSPLANTATION AND THE ROLE OF COMBINED TECHNIQUES FOR ADVANCED BALDNESS**

Hair Transplantation has become more popular in the last decade, mainly because of the natural aspect of actual results. Many techniques that has been used over the last decades such as FUT, FUE, Flaps, scalp reduction, Body Hair Transplant among others and, nowadays, Follicular Unit Extraction (FUE) is the most common surgical technique and preferred by the patients, specially for avoiding a linear scar into the scalp. However, for more advanced baldness, difficult cases and repair surgeries a combination of different techniques can be useful and give patients the best surgical plan and outcome. The author will present the modern techniques and when it is interesting to combine them.

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**D'ALESSIO Patrizia**

Thursday, March 30, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Advanced Information for Practice

**NUTRACEUTICALS CONTRIBUTION TO HEALTH SPAN**

AMWC 30 03 - 01 04 2023, Monaco

Nutraceuticals contribution to healthspan  
Pr Dr Patrizia A d'Alessio MD, PhD

**Background**

The word "nutraceutical" is a "portmanteau" term, binding "nutrition" and "pharmaceutical". A "nutraceutical" or "bioceutical" is a pharmaceutical alternative, claiming physiological benefits. These compounds are unregulated, assimilated to over-the-counter dietary supplements or food additives. Nutraceuticals remain in the USA under the authority of the FDA & Cosmetic Act. They may interfere with aging, modifying the multifactorial gut-brain connections in a way turning out to be beneficial for delaying health and beauty decay. As early as 2000 we identified anti-senescence molecules contained in a rare botanical genus eaten in daily broths in Asia, establishing a link between nutrients consumed regularly and anti-aging effects. These "small molecules", able to inhibit IL-6, TNF- $\alpha$  and rho A mediated cell signaling, were also demonstrated to be able to reverse senescence.

**Introduction**

In recent years, "small molecules" have shown their value in the treatment of auto immune diseases and in combined treatments of infectious diseases. Our bio-molecular approach was able to characterize them as geroprotectors, fighting the consequences of a generalized inflammatory process that may accelerate the cell senescence process. The latter is indeed sustaining a loop of ongoing chronic inflammation, at the basis of aging.

**Material and Methods**

The RISTOMED EU FP7 phase 2A multi-centric first in human clinical trial testing these "small molecules" in a population of 65-85 year old women and men, has validated the clinical efficacy of AISA monoterpenoids as geroprotectors. Acting as biologics but also reducing stress, they strongly downregulate pro-inflammatory cytokines through the inhibition of NF- $\kappa$ B, as well as the thrombosis mediator fibrinogen, but also metabolic markers such as insulin and HOMA-IR.

**Results**

Terpenoids have been recently acknowledged as geroprotectors and monoterpenoids as biologics able to counter cytokine storms of various origins, metabolic or infectious. Chronic inflammation is the common ground for accelerated aging, also enhancing SASP (Senescence Associated Secretory Phenotype). Previous results from our studies also include the neuro-active potential of microbiota and repair of the gut barrier together with mucosal immunity.

**Conclusions**

Small molecules such as the mono-terpene d-Limonene, should be considered valid candidates for issues relevant to the prevention of Common Chronic Diseases (CCD), enhancing health span and promoting longevity, but also contributing to the preservation of youthful characteristics.

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**D'SOUZA Christopher**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

## **NUTRITIONAL SUPPLEMENTS FOR GENETIC HAIR LOSS - HOPE OR HYPE?**

The global hair supplement market was estimated to be 960 million USD in 2021 and is expected to grow to a staggering 2.86 billion USD by 2031. We will review the evidence for nutritional supplements for genetic hair loss and consider who, if anyone, we should be recommending them to.

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**D'SOUZA Christopher**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

## **SOCIAL MEDIA MARKETING OF YOUR HAIR RESTORATION PRACTICE - ABUSE IT OR USE IT**

More than half of the world uses social media with an estimated 4.76 billion social media users in 2023. It has become an integral part of everyday life and is now widely used by healthcare professionals to disseminate information, build relationships with patients and market their businesses. We delve into the pro's and con's of social media in healthcare and how to make the most of it.

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**DAVIDOVIC Kristina**

Saturday, April 01, 2023 - from 09:15 to 10:45

**SALLE DES PRINCES**

Session:

Maxi Live - Forehead Temporal Area

## **CUSTOMIZED AND INDIVIDUAL APPROACH FOR FOREHEAD BOTULINUM TOXIN INJECTION ACCORDING TO THE NEW PUBLISHED DATA**

Background: Differences in the effectiveness of neuromodulator treatments for horizontal forehead lines dependent on depth of product administration have been described. However, knowledge in respect to the fascial anatomy of the forehead still remains elusive.

Aims: To relate the fascial anatomy of the forehead to the effectiveness of neuromodulator treatments by conducting a clinical, prospective, interventional split-face study in which injections for the treatment of horizontal forehead lines are performed differently between facial sides.

Methods: This study included a total of  $n = 14$  patients with a mean age of 35.71 (7.8) years and mean body mass index of 21.9 (3.0) kg/m<sup>2</sup>. One side of the forehead was injected superficially by positioning the product in the superficial fatty layer, whereas the contralateral side was injected deep targeting the supraperiosteal plane (random selection). The treatment outcome was rated by the physician and by two independent observers according to a forehead line severity scale (0-4) at 14 and at 30 days.

Results: All three observers agreed in their ratings (ICC: 0.942) that the deep injection technique resulted in a superior outcome: D14 (superficial vs deep) 0.17 (0.4) vs 0.14 (0.4;  $P = .583$ ) at rest and 1.26 (0.6) vs 0.43 (0.5;  $P$

Conclusion: The results of this study underscore how detailed anatomic knowledge can enhance results of aesthetic interventions, in this case horizontal forehead line treatment with neuromodulators.

Keywords: botulinum toxin; facial anatomy; fascial layers; horizontal forehead lines; neuromodulators.

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**DAVIDOVIC Kristina**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

## **TOXIN LIFT OF THE MIDDLE AND LOWER FACIAL SOFT TISSUES**

Background: Neuromodulators have proven efficacy in reducing facial rhytides and have also been reported to improve jawline contour and the appearance of platysmal bands. Lifting effects of the tail of the eyebrow are expected outcomes when targeting the lateral periorbital region, underscoring the versatility of neuromodulator treatments.

Objectives: The aim of this study was to analyze the clinical effectiveness of a novel neuromodulator-based injection algorithm with regards to its ability to reposition the middle and lower facial soft tissues.

Methods: Seventy-five study participants (8 males, 67 females) with a mean [standard deviation] age of 37.5 [8.5] years were

injected with neuromodulators in the subdermal plane of the mandibular soft tissues following a standardized algorithm. Live rating of clinical appearance was performed, as well as volume change and skin vector displacement measured by 3-dimensional imaging at baseline, Day 14, and Day 30.

Results: Three-dimensional volume analysis revealed an increase in midfacial volume by 0.46 mL, and a decrease of the lower facial volume by 0.30 mL compared with baseline. Additionally, an improvement of midfacial fullness (by 0.13) and jawline contour (by 0.44) was reported on clinical rating scales at Day 30 compared with baseline.

Conclusions: Facial soft tissues can be repositioned during the 30-day follow-up period following a neuromodulator treatment; this was reflected through an increase in midfacial volume as well as through a decrease in lower facial volume. The novel injection algorithm presented can provide a safe and effective option for patients desiring improvement of midfacial fullness and jawline contour with neuromodulator treatment alone.

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**DAVIS Dianne**

Thursday, March 30, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

AESTHETIC DISRUPTORS: Young-Career Innovators from Around the World

**COMBINATION TREATMENTS FOR ROLLING ACNE SCARS IN PATIENTS WITH SKIN OF COLOR**

Acne affects over 80% of adolescents and can persist in 12-14% cases of adults. In addition to acne, there are psychological and social implications that can persist as a result of acne and acne scars. Successful treatment of acne scars in those with skin of color requires careful consideration of treatments that are both safe and effective yielding the lowest risk of adverse events, especially pigmentary alteration. The combined single treatment protocol utilizing tumescent anesthesia, chemical peels, subcision, and fractionated erbium laser resurfacing was found to have a two-point improvement (on a four point scale), with no sustained adverse events. In addition, the overall improvement led to increased self-esteem and an improved quality of life.

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**DAY Doris**

Thursday, March 30, 2023 - from 09:30 to 10:30

**SALLE DES PRINCES**

Session:

Present and Future of Aesthetics

**UPDATES ON A GLOBAL APPROACH TO FACIAL REJUVENATION**

The face can only be viewed as a global aesthetic and the approach to rejuvenation centered around balance for maintaining a youthful appearance, using an appropriate combination of neuromodulators, fillers and devices for optimal outcomes.

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**DAY Doris**

Thursday, March 30, 2023 - from 11:30 to 13:00

**PRINCE PIERRE**

Session:

Lower Face Rejuvenation - Jawline Chin

**JAWLINE FILLERS FOR MARIONETTE LINES' CORRECTION: WHEN GOING UP, BACK AND AROUND IS THE BEST WAY TO GO**

A contoured jawline is a key factor in a youthful appearance, but addressing this area often means first addressing the mid and even upper face and chin for best results.

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**DAYAN Steven**

Saturday, April 01, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

"MY BIGGEST MESS UP" - COMPLICATIONS PANEL

**INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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**DAYAN Steven**

Thursday, March 30, 2023 - from 10:00 to 13:00

**NIJINSKI**

Session:

Thriving in Diversity at AMWC Monaco

**INTRODUCTION**

Join the Thriving team as we take an interactive and engaging approach crossing all international borders, barrier and boundaries. We will take deep and interactive dive deep into the aesthetic, social and cultural issues influencing our patients and practices every day.

This session you don't want to miss!

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**DAYAN Steven**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

**EFFICACY OF 2 DOSES OF ONABOTULINUMTOXIN A VERSUS PLACEBO FOR THE TREATMENT OF MASSETER MUSCLE PROMINENCE**

A randomized placebo controlled trial reviewing the dose dependent efficacy and safety of two different doses 48 and 72 units of botulinum toxin to treat masseter hypertrophy.

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**DE JAEGER Christophe**

Saturday, April 01, 2023 - from 09:30 to 10:30

**AURIC 5**

Session:

FSH, Telomeres and Nutraceuticals Recent News

**ASTCOQ02, A NATURAL TELOMERASE ACTIVATOR, LENGTHENS TELOMERES IN HUMANS IN A MIDDLE-AGED POPULATION**

Telomeres are ribonucleoprotein structures that form a protective buffer at the ends of chromosomes and thus maintain genomic integrity during the cell cycle. Replicative telomere erosion can be compensated by a telomerase. Average telomeres size decreases with age and associated with aging-related diseases such as cancer and cardio-vascular disease. We previously reported that ASTCOQ02 (an Astragalus extract that contains astragaloside IV and cycloastragenol), a telomerase activator showed benefit in an open prospective study on telomere size and cardiovascular impact in healthy volunteers.

Here we performed a randomized, double-blind, controlled trial over 6 months comparing the effect of ASTCOQ02 versus placebo on telomere length (TL) in 40 healthy volunteers (mean age  $56.1 \pm 6.0$  years). Twenty subjects received ASTCOQ02 and 20 received placebo capsules. All 40 subjects completed the study with no adverse side effects reported at 6 months.

Subjects taking ASTCOQ02 had significantly longer median ( $P=0.01$ ) and short TL ( $P=0.004$ ) and a lower percentage of short telomeres over the 6 months period whereas placebo group TL remained unchanged.

This randomized, double-blind, placebo-controlled trial confirmed that ASTCOQ02 significantly lengthens both median and short telomeres by increasing telomerase activity, and reduces the percentage of short telomere (ASTCOQ02 warrants further human studies on health, longer life expectancy and healthy aging).

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**DECATES Tom**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

**THE GENETIC AND BACTERIAL ORIGIN OF SOFT TISSUE FILLER ADVERSE EVENTS**

Introduction

Even though manufacturers claim that soft tissue fillers are nontoxic and nonimmunogenic, adverse events may occur. Clinically and histologically, most of the late onset adverse events present as an inflammatory response. Most of these adverse events seem to have an immunological basis, where the fillers act as adjuvants more than



as direct T-cell activators,  
on a possible background of genetic predisposition.

#### Material and Methods

A total of 211 patients were included, of whom 129 experienced late-onset inflammatory adverse events to different fillers (Inflammation group) and 82 who did not (Reference group). Patients completed a standardized questionnaire and provided a blood sample or oral swap for HLA testing. The study population consisted of 188 (89%) women and 23 (11%) men. The two study groups were similar in the distributions of filler type, location of injecting, allergy, autoimmune disease, gender, age, ethnicity, and smoking status.

#### Results

Of the 211 patients in the sample, 25 had the combination of HLA subtype-B\*08 and HLA subtype-DRB1\*03. This was 16.3% of the inflammatory group and 4.9% of the reference group. This combination of HLA subtypes was associated with an almost 4-fold increase in the odds of developing immune mediated adverse events (odds ratio = 3.79, 95% CI 1.25-11.48).

#### Conclusion

Genetic polymorphisms such as HLA combinations may identify patients at risk of developing late onset immune mediated adverse events to dermal fillers.

Dr. Tom Decates, MD PhD  
Aesthetic Physician

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### **DHARMANA Subha**

Thursday, March 30, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

**AESTHETIC DISRUPTORS: Young-Career Innovators from Around the World**

#### **EFFICACY AND ROLE OF TOXINS, PEELS AND ENERGY-BASED TREATMENTS IN THE TREATMENT OF EXCESSIVE OILINESS AND OPEN PORES**

Background: Several non-conventional derma aesthetic procedures are performed to reduce sebum secretion in people with seborrhoea but the evidence for such treatments with objective measurements are lacking hence the need to investigate and clarify their role.

Objective: This review aims to evaluate the efficacy and role of toxins, peels and light based energy treatments in the treatment of excessive oiliness and open pores

Methods: we evaluated 31 trials conducted in the last 10 years between 2012-2022 that studied the effect of derma aesthetic treatments on the sebum production with objective measurements on sebum and open pores in the cohort of people with acne, oily skin and or open pores.

Results: Most treatment modalities showed positive outcomes with gradual and decreased sebum production which was maintained at below baseline scores throughout the study

Conclusion: The results evaluated prove that newer methods with peels, toxins and light based energies exist that can reduce sebum levels for those that do not want to undertake conventional topical and oral therapies or maybe used in combination with regular therapy.

Keywords: seborrhoea, open pores, oiliness, sebum production, sebaceous glands.

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### **DONATINI Bruno**

Saturday, April 01, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

**New Gut Concept**

#### **KEYNOTE: EXHALED-VOLATILE-ORGANIC-COMPOUNDS AND AGING**

Introduction/objective:

Exhaled Volatile Organic Compounds (E-VOCs) after 10 hours fasting may help to detect many diseases. We investigate which E-VOC could be the most relevant marker to detect aging related to chronic inflammation or vaginal impairment.

Material and methods:

Data were collected during consultations for Small Intestinal Bowel Overgrowth. A breath test was performed by X-PID 9500® in 203 fasting patients.

#### Educational goals:

Low hydroxybutyrate (HB) levels after 10 hours of fasting was associated with an increased risk of colonic polyps or vagal disturbances (6.3% versus 23.1%; p

Low HB and consequently increased High Molecular Weight VOCs are found in patients with overweight,<sup>2</sup> cancer,<sup>3</sup> COVID,<sup>4</sup> or depression.<sup>5</sup>

HB may be a marker of lipolysis and autophagy.<sup>6</sup> Altered autophagy may favour the accumulation of fatty acids in viscera leading to chronic inflammation.<sup>7</sup>

Therefore, HB appears to be the easiest and the most appropriate global marker to evaluate the ability of fasting to decrease aging.

HB levels may also help to evaluate synergistic approaches associated with fasting (sport, food complements, heat and sweating, etc.) to control aging.

#### References:

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6. Yu H, et al. (2022). J Dairy SciS0022-0302(22)00324-1. doi: 10.3168/jds.2021-21287.
7. Møller N (2020). J Clin Endocrinol Metab 105:dga370. doi:10.1210/clinem/dga370.

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### **DOREIAN Simone**

Thursday, March 30, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

#### Session:

Medical Rhinoplasty

#### **THE RHINO IN THE ROOM**

PRACTICAL THINKING AND STRATEGIES AROUND NON SURGICAL RHINOPLASTY IN YOUR ROOMS.

1. Tips on patient selection / rejection
2. How I use my iPad Pro in complex case planning .. a case study
3. Role of pre treatment botulinum toxin ?
4. Lift the Tip vs. Hide the Hump
5. Base vs. Bridge in Ethnic groups
6. Lip Asymmetry- always look upwards!

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### **DOREIAN Simone**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

#### Session:

When to Stop Treatments With Fillers

#### **REACHING BREAKING POINT: DEMYSTIFYING WHEN ENOUGH IS ENOUGH**

Teaching procedures without teaching end-points is akin to teaching a learner driver to drive, without showing them the brakes.

Based on surgical parameters, architectural principles and shared experiences from colleagues world wide.

Simple principles and tips to know the end points for injecting : Foreheads / Temples / Brows / Cheeks-lateral, medial, sub-malar / Nose / Perioral and Lips / Chin / Jawline .

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### **DOREIAN Simone**

Saturday, April 01, 2023 - from 11:15 to 13:15

**SALLE DES PRINCES**

#### Session:

Lip Augmentation: Current Trends and Methods

#### **THE SEDUCTIVE POWER OF THE LOWER LIP: AN APPROACH TO ROLLED-IN, NO-SHOW LOWER LIP**

The seductive power of the pout lies in in the troubled, vulnerable undershadowed lower lip.

The lower lip is the underrated sister of the upper, in the aesthetic world.

1. EMBRYOLOGY of lower lip.
2. ANATOMY of the lower vs. the upper lip.
3. AESTHETICS OF LIPS , interplay between the upper and lower lips and chin and perceived attractiveness.
4. ROLLED IN , NO SHOW LOWER LIP CAUSATION : Relative causative roles of the bone, dentition, musculature, soft

tissue and vermillion , congenital and age-related to help you target treatment.

3.BIGGER LESSONS: from novel surgical techniques, clay sculpture and 3D avatar modelling - how to avoid the most common mistakes in recreating natural appearing lips.

5.AGEING MUSCLE plays a most important role.

Recreating the youthful structure and volume of perioral musculature with fillers to restore form and function to the lower lip

- recreating the 3D quadrilateral of DLI to support the lower lip structure

- role of mentalis and inferior orbicularis oris , and toxin in lower lip position and eversion.

CONCLUSION: ageing muscle plays the major role in the position of the lower lip. By addressing the loss of muscle mass we more naturally improve the lower lip position, prior to filling lost volume within the vermillion.

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## **DOREIAN Simone**

Saturday, April 01, 2023 - from 16:30 to 18:00

**SALLE DES PRINCES**

Session:

NLF and Bitterness Triangle

### **ASTEP BY STEP APPROACH TO MARIONETTE LINES**

A 'Step by Step' logical approach to rejuvenation with toxin and HA fillers, from assessment to treatment.

1. Definition, Causation, relevant and latest studies of perioral anatomy
  2. Role of toxins in treatment and how to minimise DAO injection complications
  3. Does jawline filler live up to the hype in remedying marionette lines?
  4. Key Learning Points: Raise the lower step up to meet the higher step and strengthen the junction between steps.
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## **DOWNIE Jeanine**

Thursday, March 30, 2023 - from 10:00 to 13:00

**NIJINSKI**

Session:

Thriving in Diversity at AMWC Monaco

### **NORTH AMERICAN PATIENT**

AMWC Monaco Abstract

Aesthetics of the North American Patient

Aesthetic combination procedures are very much in demand—these include Botox and filler, Lase MD and chemical peels, Fraxel and IntraCel as well as Zaffiro and IntraGen. One of my latest techniques with micro Botox in the hairline decreases sweating, controls frizz and creates real edge control for the hairline. This technique has taken off.

In the US, today's aesthetic patients are younger by 10-15 years, many are LGBTQ+ and many are racially diverse.

According to NewBeauty diverse individuality is trending as an increased number of younger patients from a diverse range of backgrounds are seeking cosmetic treatments.

Brightening cosmeceuticals for a more even glowing skin tone, thicker healthier hair, the minoxidil response test kit and social media will also be discussed.

Jeanine B Downie, MD, FAAD  
Director, image Dermatology PC  
Assistant attending at Mountainside and Overlook hospitals  
IG@jeaninedownie

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## **DUA Aman**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

### **THE EFFECT OF PREGNANCY AND THE MENOPAUSE ON FEMALE HAIR**

Effect of pregnancy and menopause on female hair

Various endocrine changes occur after parturition and menopause, also responsible for sebum production and hair growth modulation. The ensuing conditions include some peculiar aspects of hair loss (telogen effluvium), alopecia, and facial hirsutism. Apart from androgens, other hormones also has a role e.g., estradiol can significantly alter the hair follicle growth

and cycle by binding to estrogen receptors and influencing aromatase activity, which is responsible for converting androgen into estrogen (E2). Progesterone, at the level of the hair follicle, decreases the conversion of testosterone into DHT. Moreover, insulin resistance and hyperinsulinemia, which typically increase after menopause, may further exacerbate androgen secretion. The influence of prolactin (PRL) on hair growth has also been intensively investigated, and PRL and PRL receptors were detected in human scalp skin

The complex changes seen in pregnancy may well contribute to the increase in estrogen secretion that leads to hair growth, hair diameter, increase anagen/telogen ratio. The proportion of postmenopausal women is rising in the overall population, thus the prevalence of these hair follicle disturbances is globally on the rise. Female pattern hair loss (FPHL) and facial hirsutism are often observed at menopause. Marked decreases in hair density and diameter occur during the perimenopausal period or transition to menopause

Current treatments aim at correcting the underlying hormonal imbalances, but in the absence of pathological cause it is difficult to adequately control hair effluvium. When the hair loss is not controlled and/or compensated by growth of new hairs, several clinical aspects of alopecia inexorably develop. Currently, there is little evidence supporting any specific treatment for these endocrine hair disorders in post-partum and postmenopausal women. Current hair treatment strategies are symptomatic and nonspecific so current researchers aim at developing new, targeted methods.

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## **DUA Kapil**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

### **TRADITIONAL REMEDIES FOR HAIR LOSS**

Traditional Remedies for Hair Loss

Dr Kapil Dua

Dr Aman Dua

- Finasteride & Minoxidil remain the mainstay of the treatment for male pattern baldness. But sometimes, the patients do not get benefit from these or are afraid of the side effects of the allopathic medicines and do not want to take these treatments.
- They start looking for traditional treatments available in their local area i.e. the Traditional medicine or the complementary and alternative medicine (CAM).
- Traditional therapy for hair loss has been used for thousands of years.
- Specific herbs and their uses developed regionally, based on locally available plants and through trade in ethnobotanical remedies.
- Systems of herbal use developed regionally in Europe, the Middle East, Africa, India, China, Japan, Australia, and the Americas.
- Two well-known systems still in use are the Ayurvedic herbs in India and herb combinations developed as part of traditional Chinese medicine (TCM) in China.
- In recent years, there has been a resurgence of the use of herbs due to the following reasons: the side effects of chemical drugs becoming apparent, there was a call to return to nature, natural remedies becoming a part of the green revolution, and a return to organic produce.
- The Herbs Used in The Treatment of Alopecia Provide One of the Following
  1. Nutritional support.
  2. DHT blockers and 5-a-Reductase blockers.
  3. Aromatherapy and improved scalp blood Circulation.
- Although there are a variety of traditional treatment options on the market for alopecia, only a few are backed by multiple RCTs.
- In recent years, although the increasingly widespread use of traditional medicines has been reported but scientific data is still not enough.
- There has been some data proving the growth promoting effect of various herbal products in hair loss.
- Even then, there is need for more scientific data proving its effectiveness and reliability.

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## **DUNTAS Leonidas**

Friday, March 31, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Interactive Session: Anti-aging Contribution to Tackle the Pandemic of Non-Communicable Diseases

### **THE GLOBAL BURDEN OF NCDs - FROM WHICH THE THYROID DISEASES ARE EXCLUDED**

Leonidas Duntas, Evgenideion Hospital, Endocrine Unit, National and Kapodistrian University of Athens, Greece

Non-communicable diseases (NCDs), which are today a major global health burden, are responsible for 74% of all deaths per year, 17 million people dying before age 70 of NCDs. A total of 86% of these premature deaths occur in low- and middle-income countries. Of note, although thyroid disease is clearly a part of NCDs, it has not to date been officially recognized as such. The pathogenesis of NCDs is closely associated with genetic susceptibility along with a number of environmental factors, including environmental pollution and bacterial infection, and, crucially, with such lifestyle behaviors as

unhealthy diet, excessive stress, and lack of physical activity. The sum total of these influences can directly affect our genes, resulting in mutations and/or modification of gene expression patterns. NCDs typically progress slowly, their clinical symptoms not being evident until there has been substantial cellular damage in target tissues. Regular consumption of the Western diet and other unhealthy habits create oxidative stress (overproduction of reactive oxygen species (ROS)); whereas ROS in a healthy individual plays an important role in numerous homeostatic processes involving, inter alia, metabolism, immunity, growth, and differentiation, it becomes harmful via excessive production, which is directly related to the pathogenesis and aggravation of NCDs. Healthy aging is maintenance of healthy living implementing, inter alia, conscious nutrition, exercise, and meditation (yoga) for optimal mental and somatic health, which can slow down the aging process while appreciably countering NCDs. Research has shown that dietary polyphenols are associated with minimizing oxidative stress and inflammation and are excellent sources of health-promoting bioactive compounds and nutraceuticals, which may prevent the onset and progression of many NCDs. Adoption of a holistic lifestyle incorporating a healthy diet, regular exercise, abstinence from smoking, moderate alcohol consumption, and maintenance of a strong circadian sleep rhythm are basic elements for reduction of exposure to NCDs as well as for healthy aging.

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**DURAIRAJ Kay**

Thursday, March 30, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:

Medical Rhinoplasty

**MY TINKERBELL TIP LIFT: A RELIABLE TECHNIQUE FOR BEAUTIFUL NON-SURGICAL RHINOPLASTY**

This presentation features an in-depth look at Dr. Kay's signature technique: the Tinkerbell Tip Lift. Using a retrograde linear approach to the non-surgical rhinoplasty, the session includes recorded patient demonstrations, step-by-step discussion of the technique and anatomical danger zones. As a facial plastic surgeon who regularly performs both surgical and non-surgical rhinoplasties, this session shares Dr. Kay's best secrets to reliably achieve a beautiful outcome for each and every patient.

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**DURAIRAJ Kay**

Saturday, April 01, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

Lasers EBD - Body Contouring

**BUTT LIFT WITH FILLERS: TOP SECRETS OF AN EXPERT**

As one of the world's leading experts in the non-surgical butt lift, Dr. Kay presents her best secrets that has left hundreds of her patients satisfied with beautiful results. The session includes recorded patient demonstrations, a step-by-step discussion of her signature cross-hatching injection technique, and an overview of gluteal anatomy. The presentation will also feature the results of a clinical review of 52 patients who received a butt lift with fillers, discussing their outcomes with volume enhancement, skin texture, and dimpling.

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**ESTRADA Zuramis**

Thursday, March 30, 2023 - from 14:00 to 16:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part III

**BIPOLAR RADIO FREQUENCY -THE REVOLUTION IN THE SEXUAL AND SOCIAL HEALING OF WOMEN**

For more than 50 years in medicine, radiofrequency has been applied for different treatments, however, its application to the female external genitalia has only emerged in the last decade. The use of radiofrequency in this region is of particular interest since the tensor effect at tissue level is known. Lordella et al , Vanaman et al, used radiofrequency in patients with vulvovaginal hyperlaxity with a high rate of post-treatment satisfaction and improvement in sexual function (lubrication and arousal). They also evaluated histological changes in the vulvovaginal tissue post-treatment. The Ovid models and the Red Alinsod study describe the same thing.

In the same way, for about 10 years it has been used as a complementary treatment in some pelvic floor dysfunctions. In a Cochran review of more than 20 articles, the improvement of these different dysfunctions was collected with different types of radiofrequency. In gynecology, we also use it to cause intracavitary necrosis of some uterine fibroids and in chronic pelvic pain therapies.

My objective is to share my experience on the benefits that bipolar radiofrequency offers us with the combination of dissimilar handpieces (including fractional and/or RFAL technology) in the non-surgical treatment of entities at the genital level such as hypertrophy of the labia minora and ptosis of the labia majora. , in the clitoral hood, in pelvic floor dysfunctions such as stress urinary incontinence, certain degrees of prolapse, urogenital atrophy, etc.I will show you videos and published studies with this type of energy that is revolutionizing our surgical practice.

The most important point: the learning curve of these techniques for professionals is not long, it is safe and benefits for our patients.?We empower sexual and social health of many women, by not submitting them to surgery at the outset, with the

added risks and slow recovery.

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**FABI Sabrina**

Thursday, March 30, 2023 - from 10:00 to 13:00

**NIJINSKI**

Session:

THRIVING IN DIVERSITY AT AMWC MONACO

**INTRODUCTION**

Join the Thriving team as we take an interactive and engaging approach crossing all international borders, barrier and boundaries. We will take deep and interactive dive deep into the aesthetic, social and cultural issues influencing our patients and practices every day.

This session you don't want to miss!

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**FABI Sabrina**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

MY PATIENT HAS BDD, NOW WHAT?

**THIS PANEL DISCUSSION WILL REVIEW ILLUSTRATIVE CASES OF OUR OWN PATIENTS WITH BDD AND HOW DIFFERENT INDIVIDUALS MANAGE THEM**

Body dysmorphic disorder (BDD) is a disease spectrum which is commonly encountered in the cosmetic patient population. It affects between 4 - 33% of patients presenting for cosmetic procedures and is seen in every cosmetic practice. Often BDD isn't recognized until after we taken a patient into our practice and established a care relationship making management challenging. This panel discussion will review illustrative cases of our own patients with BDD and how different individuals manage them. Special consideration to discussing pearls and approaches to managing these difficult cases.

Panelists:

- Brittany Howard MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
  - Lisa Grunebaum MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
  - J. Madison Clark MD, Facial Plastic Surgery, University of North Carolina, Chapel Hill, NC, USA
  - Sabrina Fabi MD, Dermatologic Cosmetic Surgeon, Cosmetic Laser Dermatology, San Diego, CA, USA
  - Nicole Kanaris MBBCh, Advanced Aesthetic Minimally Invasive Surgeon, Med Aesthetique, SA ALT Beauty, SA
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**FARGHADANI HIRSA**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:

Telomeres and Methylation

**MANAGING AGING WITH METHYLATION**

A variety of genetic and epigenetic factors regulate aging, one of wick is the increase of DNA methylation.

DNA methylation levels are clearly correlated with age.

Its pattern changes with age and has an important impact on human longevity and related diseases developpement.

By different interventions it is possible to regulate aging, related to DNA methylation .

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**FARJO Bessam**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

**WHAT'S IN THE FUTURE FOR MALE PATTERN HAIR LOSS TREATMENT?**

Cures for hair loss have been bandied about for thousands of years, and yet we are still very limited in what we can offer our patients.

Having said that, there has never been more research activity into investigating new medications and therapies for hair loss. This includes pharmaceutical drugs, cell-based injectables, mechanical stimulators, etc.

I will present the latest updates on some of the more promising developments in current research on this subject

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**FARJO Nilofer**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

**DOES CAFFEINE STIMULATE HAIR GROWTH IN VITRO AND IN VIVO?**

Caffeine is a phytochemical (plant origin) found in coffee beans, tea, cocoa, and kola beans. It has several biological effects in the body including inhibition of adenosine receptors. It is broken down in the liver to active metabolites which produce effects on the CNS, respiratory system, and CVS. We are all aware of physiological effects when we ingest caffeine, but it is only in recent years that this chemical has been studied in relation to hair growth. On a cellular level, caffeine is a competitive inhibitor of phosphodiesterase which breaks down cAMP. The result is activation of protein kinase A and leukotriene synthesis. In vitro studies have shown modulation of growth factors IGF-1, KGF and TGF-  $\beta$ 2 in hair follicles and ex-vivo studies have shown that caffeine penetrates the skin barrier and causes elongation of hair follicles in culture. Lab studies have also reported caffeine to counteract the effects of testosterone with the inference that it inhibits 5 $\alpha$  reductase.

Clinical studies have shown that caffeine can be found in the hair follicle at levels which affect its biological activity. However, standardisation and placebo control for each formulation produced means further clinical studies need to be performed to ascertain dosage and frequency required for each product.

The take home message is that caffeine is a promising option for those wanting a non-pharmaceutical treatment for their hair loss.

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**FAURE Carole**

Thursday, March 30, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

Keynote Addresses in Anti-Aging Medicine

**KEYNOTE: WHAT ABOUT AESTHETIC ETHICS AND ANTI-AGING IN 2023**

ABSTRACT AMWC 2023 Monaco

TITRE : WHAT ABOUT AESTHETIC ETHICS AND ANTI-AGING IN 2023 ?

20 min KEYNOTE SESSION.

AUTOR : Dr Carole Fauré MD Aesthetic and anti-aging doctor Part time doctor at Montpellier university hospital (A . De Villeneuve) for breast cancer women. Teaching responsible for university diploma in Montpellier medical school, Part time teacher in Montpellier medical school, Master in Humanities and Social sciences, Master in Plastic Arts, visual Arts

INTRODUCTION

I don't promise to give you a single answer about what is the Aesthetic Ethics today. We all want the best for our patients. Every day we do our best to take care of them, to understand them. We want to find the right solution between their hopes and what we can really give them.

We don't talk about aesthetics damages, medical techniques here.

1/WHAT ABOUT AESTHETIC ETHICS PHILOSOPHICAL DEFINITION

2/ WHAT ABOUT AESTHETIC ETHICS THROUGH AGES in FRANCE (connections with sociology, design, art)

3/ OBSERVATIONS OF THE EXISTING TODAY

4/ HOW THE PRACTITIONER SHOULD FIND THEMSELVES POSITION IN FRONT OF THESE NEW REQUESTS?

5/ WHAT ABOUT AESTHETIC ETHICS POINT OF VIEWS?

From contemporary sculptor to famous Beverly Hills plastics surgeons

to a french aesthetic and anti-aging doctor

6/ WHAT DOES THE ANTI-AGING MEDICINE BRING TO THE AESTHETIC ETHICS IN 2023 ?

A/ WHAT DO PATIENTS EXPECT FROM ANTI-AGING MEDICINE

- B/ FOLLOWING LEGAL RULES

- C/ CULTIVE THE DIFFERENCE

D/ WHAT WILL WE DO WITH/WITHOUT...

- What will you do with a wrinkleless eye without a seductive light in that eye after the menopause

- What will you do with a beautiful body without energy and exercise

- What will you do without vaginal dryness with hot flushes, hyperperpiration, headaches, overweight, low desire, no sport!

CONCLUSION :

1/The question of Aesthetic Ethics is the right one on 2023.

2/We have a wonderful job that brings so much happiness to our patients.

3/ In 2023, the Aesthetic Ethics belong to

« You are what you look like and how you feel your life » Dr Carole Faure

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**FELDT-RASMUSSEN Ulla**

Friday, March 31, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Interactive Session: Anti-aging Contribution to Tackle the Pandemic of Non-Communicable Diseases

### **SENESCENCE AND NCDS**

Senescent cell burden is low in young individuals but increases with aging in several tissues, including adipose, skeletal muscle, kidney, and skin. In particular, components of the metabolic syndrome, including abdominal obesity, diabetes, hypertension, and atherosclerosis, are among the many pathologies that are associated with increased senescent cell burden. Senescent cell accumulation can occur due to a variety of factors such as age-related chronic diseases, oxidative stress, hormonal milieu, developmental factors, chronic infection (eg, human immunodeficiency virus [HIV]), certain medications (chemotherapy or certain HIV protease inhibitors), and radiation exposure.

Most benign thyroid diseases belong to non-communicable diseases and they are very common in most populations. None of these diseases are, however listed officially as non-communicable diseases requiring specific attention and thus has very poor funding to accruing evidence of their relevance in development of senescence.

Thyroid hormones are crucial for the general cellular processes of all cells and organs in the mammalian body. A well balanced thyroid hormone production is thus necessary for maintenance of mental and cognitive functions in old age, and thyroid hormones furthermore contribute strongly to e.g. bone and cardiac health as well as hair growth and skin appearance.

Thyroid dysfunction is common in most populations and can be accelerated by a number of environmental factors such as iodine or selenium deficiency, endocrine disrupting chemicals on top of hereditary factors mainly related to autoimmune reactivity. These factors often contribute to development of hypothyroidism, the incidence of which increases with age, particularly in women. Hypothyroidism in turn harbours a high risk of increased cardiovascular risk since lipids are inversely correlated to the thyroid hormones, which in turn are correlated to endothelial dysfunction. Elderly patients further suffer from accelerated dementia, poor quality of life, and facial appearance of aging due to puffing, hair loss and coarse skin. The condition is usually reversible if diagnosed and treated early, but this is rarely the case in the elderly and the disease is therefore often bringing the patient into early retirement and impairment of physical and mental functioning.

Although thyroid hormone production and function are not responsible for all aspects of senescence in non-communicable diseases, a dysfunction is reversible with current treatments. More evidence is required to distinguish the role of thyroid hormones from other factors of senescence in order to arrive at a strategy for specific diagnosis and treatment of one of the successfully treatable chronic non-communicable conditions.

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**FORSHAW Dawn**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

### **EYEBROW MICROPIGMENTATION - WHAT'S GOOD AND WHAT'S NOT**

Eyebrow micropigmentation offers a multitude of diverse treatments covering more cosmetic through to medical needs. From fuller, thicker looking brows to total facial feature restoration the results speak for themselves.

My experience in the field of micropigmentation, which started with brows, has given me a breadth of knowledge and I hope to share this in my presentation.

Eyebrow loss is hair loss and the psychological impact of losing the "frame" of our face and ability to show our expression will be discussed along with examples of the versatility of eyebrow micropigmentation, modern trends and how it is achieved.

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**FOUMENTEZE Jean-Paul**

Saturday, April 01, 2023 - from 14:00 to 16:00

**SALLE DES PRINCES**

Session:

Threads: Focus on Eyebrows

### **EYEBROW LIFT WITH PERMANENT SUSPENSION THREADS**

My presentation will be based on the analysis of an intervention of eyebrow lift with permanent suspension thread made of polyester and silicone.

I will explain the technical specificities, the anatomy at stakes and the quality of results to expect.

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**FRITZ Klaus**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

### **LASER PEELING VS CHEMICAL PEELING**

Chemical peels work best for the treatment of superficial skin irregularities, laser resurfacing works well for collagen



remodelling.

The indication, peeling depth, expected downtime and potential side effects differ among superficial, medium and deep chemical peels however as well between various ways of laser peeling be it fractional, superficial, deep, multilayer or even combined.

The experience of the therapist, the indication and patient's acceptance of invasiveness determine the decision on which procedure should be preferred.

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## **FRITZ Klaus**

Saturday, April 01, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

Lasers EBD - Body Contouring

### **MACRO HIFU IN BODY CONTOURING - UPDATE ON RESULTS AND PATIENT SELECTION**

Due to its high efficiency and safety various technologies of heating or cooling biological tissue are broadly practiced in the dermatological field for various aesthetic applications, including skin tightening, skin lifting, body contouring and cellulite reduction. In body contouring radiofrequency, Fat freezing, shock waves. Microwave, Lasers and High intensity ultrasound play an increasing role in shrinking the fat and tightening the tissue of the dermis. All of them are used as a single technology or in combinations, in order to achieve sufficient effects on the fat cells and the dermis.

Hifu is now available in a few devices with transponders that allow a penetration as deep as 13 mm using a modified ultrasound called macrofocused ultrasound. This results in tiny and numerous coagulations in the fat layer which can be shrunk and reduced in volume allowing to obtain a reduction of circumference plus tightening effect. Precisely exact HIFU energy can melt down the fat layer without any damage of surrounded tissue.

The size of the coagulation spot in Macrofocused ultrasound is eight times larger than in microfocused. Technically this was made possible, because it was noted, that monophasic ultrasound pulses are more effective than biphasic ones and allow the application of ultrasonic therapy of deep structures resulting in deep fat lysis and coagulation of fibrous septae in fat layers. An "intelligent" transducer uses cooling with a control software to minimize pain level for a comfortable treatment. Study results show an abdominal circumference reduction of 2 - 4 cm .1 months post treatment and even more after 2 months. Patients should be selected with a BMI of 17,5 - 40 maximum.

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## **FRITZ Klaus**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

### **HOW TO INCREASE THE DURATION OF BOTULINUM TOXIN EFFECTIVITY**

It is a fact that botulinum toxin has become a staple in our portfolio of solutions because of all the indications treated and its amazing performance. However, it takes a few days to act, and the duration remains limited, especially compared to the dermal fillers. The duration of the treatment effect is considered an unmet need within existing neuromodulators. We have various strategies to increase this duration and manufacturers are also putting a lot of effort to further enhance its efficacy. I will present new approaches and studies that aim to enhance the onset and duration of botulinum toxin effects including the innovation that can be expected in the near future.

The best known approach uses higher doses of botulinum toxin. Up to a certain amount of toxin this helps to get faster and a bit longer effects, however still the duration is limited and can only be achieved up to a maximum of receptor saturation, beyond there is no more increase in effectivity. Parallel side effects however increase as well and limit the use of higher doses. Currently there is one study being performed, that started in 2021 to assess the safety and efficacy profile of increasing doses in comparison to placebo, with the aim to discover the doses(s) that offer the best efficacy/safety profile when used for the treatment of moderate to severe Upper Facial Lines and a safety and efficacy evaluation in all three regions. The study is still ongoing with an estimated completion date in October 2024.

Another approach used Botulinum toxin type A reconstituted in 1% lidocaine hydrochloride with epinephrine 1:100,000. The addition of lidocaine was believed to achieve an immediate paralyzing effect on the injected muscles, and the addition of epinephrine was hypothesized to minimize diffusion to adjacent muscles. Participants were treated in the areas of the forehead and glabella, as well as the orbicularis oculi, orbicularis oris, and procerus muscles, in varying doses (10-60 U).

181 patients completed a satisfaction questionnaire:

58% of participants reported being more satisfied with BTX-A reconstituted in 1% lidocaine with epinephrine 1:100,000, with 85.7% of these participants reporting that the immediate results made the formulation superior;

35.7% (56/157) were indifferent and 6.4% (10/157) reported that the modified formulation did not work better. The injection of BTX-A reconstituted in 1% lidocaine with epinephrine 1:100,000 presented no increased adverse effects (AEs), no decrease in pharmacologic potency, immediate feedback to the clinician, and higher satisfaction for the participants

New formulations of botulinum toxin have been approved, that claim to offer longer durations.

Alluzience®, the first ready to use active ingredient with no need to constitute with any dilutions claims to be effective faster

and longer - up to 6 months. However the real difference is the study design. Previous studies on other botulinum toxins limited the evaluation to less than 6 months, now in this product patients were monitored longer and the study documented what experienced therapists already knew: the effects can stay longer in a significant number of patients.

DaxibotulinumtoxinA-lanm (Daxxify, Revance Therapeutics Inc), has been approved by FDA for frown or glabellar lines in adults. It is free of both animal-based components and human serum albumin. In more than 2700 individuals with approximately 4200 treatments there was a 6-month median duration, and some individuals maintained their results at 9 months. The results were also seen as early as 1 day after treatment but typically were seen within 2 days. It was well tolerated and achieved clinically significant improvement with long-lasting results and high patient satisfaction. Notably, [daxibotulinumtoxinA-lanm] was able to demonstrate a long duration of effect while only utilizing 0.18 ng of core active ingredient in the 40-unit labeled indication for glabellar lines

Swiss based biotech, Fastox, is preparing for a phase I/II clinical trial with FTP-501, a proprietary formulation which, when combined with botulinum toxin products (BoNT), demonstrates faster onset, increased efficacy and longer duration of action. The Fastox research team discovered a unique way to enhance botulinum toxin's activity with no effect on the fundamental properties of BoNT.

Fastox technology works on all BoNT/A tested; proven in 2 validated animal models

Preclinical work has validated the use of FTP-501 with the key BoNT products marketed worldwide. It follows a completely different mechanism of action and has

Potential to be more effective than high dose and DaxibotulinumtoxinA

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## **FRITZ Klaus**

Saturday, April 01, 2023 - from 16:30 to 18:00

**NIJINSKI**

Session:

Radiofrequency

### **MELASMA TREATMENT WITH PULSED RF MICRONEEDLING**

Laser treatment for melasma is typically associated with various complications, especially rebound hyperpigmentation (RH) and mottled hypopigmentation.

A new way to deliver RF in a pulsed way selectively stimulates tissues with high conductivity or causes protein structural changes by irradiating radiofrequency in the form of multiple short pulses (pulsed wave; PW), so it can be applied to treat lesions like rosacea or melasma.

In the case of rosacea, the conductivity with blood is high, so treatment with PW is effective improving facial redness. In particular, in the case of melasma, it is not a simple problem of hyperpigmentation, but a lesion that should be treated in consideration of complex factors that affect melanocyte activity, such as disrupted basement membrane, increased vascularity, senescent fibroblasts, and others. PW stimulates and improves these factors. Needle depth is adjustable from 0.3-4.0mm. Usually 0.8-1.0mm is used for the face, but depending on the indication, treatment site or each patient's skin thickness, it can be used more deeply or shallowly for more effective treatment.

We analyzed the clinical efficacy and safety of using a non-invasive pulsed-type bipolar alternating current radiofrequency (IBPRF) for treating melasma with or without RH in 142 patients.

Clinical improvement in the appearances of melasma and RH was analyzed (4 men and 138 women, with a mean age of  $37.3 \pm 11$

years), who had undergone IBPRF treatment for melasma. IBPRF was delivered at a frequency of 2 MHz and with non-insulated, penetrating microneedles over five to 10 treatment sessions at 2- to 3-week intervals. Patients reported subjective satisfaction with the appearance of their melasma lesions after seven to eight treatment

sessions. After treatment, no significant complications, particularly RH or mottled hypopigmentation, were recorded. No severe complications related to IBPRF treatment were recorded, and patients reported satisfaction in the appearance of their lesions after

seven to eight treatment sessions. This suggests that IBPRF may be effective and safe for treating melasma and RH.

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## **FROMANE Maija**

Thursday, March 30, 2023 - from 09:30 to 10:45

**AURIC 5**

Session:

Preventive Anti-Aging

### **HORMONAL MODULATION THROUGH NUTRITION AND NUTRACEUTICALS**

Women in the premenopausal period are dependent on hormonal fluctuations, that affect the overall body functioning, as well as hair and skin health. Studies indicate that right lifestyle and nutritional interventions, including nutraceuticals can significantly affect the hormonal levels and quality of life in premenopausal women. Hormonal modulation through these interventions can

improve symptoms of hormonal decline.

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**FURLONG Emma**

**BOSIO**

Friday, March 31, 2023 - from 11:00 to 13:00

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

**SCALP MICROPIGMENTATION FOR MEN AND WOMEN**

Scalp Micropigmentation or SMP as it is more commonly referred to, is the process of applying pigment or ink into the scalp to help disguise hair loss and camouflage scarring. SMP is an effective adjunct to other hair loss solutions and offers an instant result as a stand alone treatment.

Natural, seamless results can be achieved for a multitude of hair loss concerns with SMP, from low level pattern loss through to post surgical scarring. This presentation will look at the options available with SMP and the results that can be achieved, alongside innovations in the industry and how you can incorporate this treatment into your centre.

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**GARCIA BALDOVI Maria**

**NIJINSKI**

Thursday, March 30, 2023 - from 14:00 to 16:00

Session:

Combining Peeling with Injectables, EBD and Other Modalities for Optimal Results

**MY EXPERIENCE OF COMBINING TCA 35 PEEL WITH MICRONEEDLING**

The appearance of one's skin provides a wealth of information about an individual. Skin health is intricately linked to overall well-being, and clear skin is one of the body's "visual certificates of health," reflecting general health. In short, the appearance of skin speaks to the biological underpinnings of health and reproductive fitness. The aim is to treat photoageing, structural and functional deterioration of skin: sagging, pore size, wrinkles and deep expression lines, dullness, blotchiness, rough texture, hyperpigmentation, dryness, and erythema.

I thought that the 35 trichloroacetic acid peeling could help me achieve a healthier skin. Due to its extremely versatility targeting skin quality

How can I continue the production of collagen after TCA 35 peel? Necrosis should not be the only end-point of a TCA peel—stimulation also plays an important role.

It has been seen that the repeated dermal irritation induced inflammation and this translates into new collagen and rearrangement of elastic fibers.

Combining TCA 35 peel (medium deep peel) with microneedling allows us to achieve a global rejuvenation of the patient improving the quality of the skin and giving it a healthier appearance.

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**GARORI Maris**

**NIJINSKI**

Saturday, April 01, 2023 - from 11:00 to 13:00

Session:

Lasers EBD - Body Contouring

**LASER LIPOLYSIS AND SKIN TIGHTENING IN THE TREATMENT OF LOCALIZED FAT AND SKIN LAXITY IN DIFFERENT AREAS OF THE BODY**

LASER LIPOLYSIS AND TISSUE TIGHTENING IN THE TREATMENT OF LOCALIZED FAT AND SKIN LAXITY IN DIFFERENT AREAS OF THE BODY .

Introduction

Many individuals suffer from lipodystrophy, moderate skin laxity, and PEFS II/III. Treatment for these conditions is a challenge that may require new methods. Until now the management has been surgical but in recent years, a laser lipolysis technique for contouring has been developed which exploits the selectivity of the 1470 nm diode laser for fat and connective tissue. This laser treatment represents one of the safest and most effective techniques.

Materials and methods

In my study were enrolled 123 patients (117F and 6M aged between 32 and 68 years), presenting lipodystrophy and accumulations of structural fat in the lower abdominal quadrants, peritrochanteric area, inner thigh, subgluteal region, lower third of the face, submental region, knee, whether or not accompanied by skin laxity. All patients were recommended a nutritional visit and physical activity (HIIT). After a preparation (65% of patients) of the tissues with 3 deep radiofrequency, with or without the use of microneedling in cases of PEFS II-III stage, which included 6 to 10 sessions, the patients underwent laser lipolysis treatment, to treat residual accumulations. The outpatient procedure was performed by means of a diode laser

with a wavelength of 1470nm. It was necessary to infiltrate a modified Klein solution to soak the tissues and make the procedure tolerable for the patients, conveyed by means of a 20/22 G x 4.5 cm microcannula. optical fiber was inserted into the subcutaneous tissue using the same access point as the cannula. An average of 1000 joules were delivered for an area of 15 cm<sup>2</sup>. We have seen an improvement in contouring, with a reduction in body circumference equal to or greater than 2 cm, validated by means of serial measurements. The patients were followed up for 6 months.

## Results

One month after the first treatment, 100% of the patients were on average satisfied with the procedure, with a clear increase in tissue tone and a reduction in fat deposits, demonstrable photographically and metrically. At 3 months, the satisfaction index was very high. The single treatment was effective in almost all of the patients with the exception of 3 patients who required a retouch after 3-4 months.

The recorded side effects were minimal: erythema (90%), edema (92%), ecchymosis (80%), transient paraesthesia (30%), pain (80%), presence of plastrons (40%), linear to the amount of energy delivered. All side effects resolved on average within 7-14 days. The resolution of the symptoms was accelerated by the use of neurotrophic and anti-edema drugs. In each patient (except the patients who had to treat the lower third of the face) cupping lymphatic drainage was performed at the end of the procedure and radiofrequency 3 deep (shaper) was performed 7, 14, 21 and 28 days later. The treatment was perceived as painless in 90% of patients and the down time was 0 in 100% of patients.

The post-treatment protocol included: antibiotic (zithromax) for 3 days, nervonic acid (nervosan) 2 tabs per day for 3 months and drainage in drops or capsules for 3 months.

## Conclusions

The minimally invasive laser lipolysis method represents a valid alternative to the modern VASER and laser-assisted surgical liposculpture procedures, and to the ancillary techniques of tissue tightening with argon plasma. The obvious advantage is that of avoiding the need for the operating room for those patients with limited fat deposits. The procedure is risk-free, painless and guarantees an immediate resumption of all daily activities, with a down time of 0. Short-term complications are mild and transient, when compared to classic liposuction. The risk of thromboembolism is equal to 0 even in the absence of anticoagulant therapy. Early mobilization is strongly recommended.

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## **GARORI Maris**

Saturday, April 01, 2023 - from 14:00 to 16:00

**NIJINSKI**

### Session:

The Most Effective Use of Combination Therapies

### **THE USE OF A COMBINED PROTOCOL OF A 1470NM DIODE LASER AND HA + CAHA FOR FACIAL REJUVENATION**

#### Introduction

Recently, non-invasive facelift methods have received a lot of attention. Many people complain of excess fat under the chin, neck and cheeks as well as laxity in these areas. However, it was seen that by improving the lower third of the face, the need arose to restore the depletion of hyaluronic acid and collagen in the middle third of the face. Working, therefore, in both areas with different approaches, the result could be satisfactory.

#### Materials and methods

Our study suggests a novel procedure for targeting fat and laxity of the lower third using the 1470 nm diode laser and combining the latter with injection of hyaluronic acid and calcium hydroxyapatite for the middle third.

Seven patients, 1 male and 6 females, were enrolled in the study. All patients were adults (42-67 years) and had moderate to severe lipodystrophy and skin laxity in the lower third of the face, and loss of fat and collagen in the middle third of the face. Written and verbal informed consent was obtained from each patient.

The laser treatment, a diode laser with a wavelength of 1470nm, was performed using an optical fiber of 300 micron, power of 2.5-3W with a Ton 40-55 and Toff 50 and average 450 joules per zone. Before inserting the fiber into the subcutaneous tissue, a solution containing 5ml of lidocaine and 15ml of saline was injected using a 25 G x 4.5 cm microcannula. One month after this procedure we used two 1.25 mL syringes (1 syringe per side) of hyaluronic acid (20 mg/ml, cross-linked with BDDE

#### Results

At the end of 5 months, patient outcomes showed good to very good improvement in all patients (90%). After analyzing the results of the photographs before and after the treatment, the results showed a satisfactory improvement in approximately 90% of the patients. 3D images revealed significant improvement in all 4 patients.

#### Conclusions

The results of the study show a reduction of fat and skin laxity in the lower third of the face and a restoration of volume in the middle third of the face. The results showed that the laser treatment can increase the thickness, density and elasticity of the skin and that the combination with HA and CaHA corrected the adipose tissue deficiencies by promoting the generation of natural endogenous collagen. The treatment was significantly effective without side effects and pain.

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## **GASPAR Adrian**

Thursday, March 30, 2023 - from 09:30 to 11:40

**AURIC 4**

Session:  
Genital Restoration Aesthetic Gynecology Agenda - Part I

**LABIAL AND VAGINAL INJECTIONS TECHNIQUES: VULVOVAGINAL INJECTION TECHNIQUES WITH HYALURONIC ACID IN AESTHETIC, FUNCTIONAL AND REGENERATIVE GYNECOLOGY**

Vulvovaginal injection techniques with hyaluronic acid in Aesthetic, Functional and Regenerative Gynecology

AUTHORS: Gaspar Adrian, M.D.

INSTITUTIONS:  
Espacio Gaspar Clinic, Mendoza, Argentina.

Objectives

To present the multiple uses of HA in two different concentrations, 20 and 25 mg/ml, at the level of the genital area, with different application techniques applied at different layers in the genital tissues to either vulval skin or vaginal mucosa.

Methods

Ten patients, with labia majora deflation and sagging skin, underwent a treatment that consisting of a single application of injectable hyaluronic acid of 25 mg/ml, administered through a 25G cannula with a 27 G needle beneath the dartos and deep within the dermis of both labia majora, through a dual approach, Both injectable lidocaine, 2%, applied only in the skin, and numbing cream was used. In the same way, 40 patients in menopause, suffering from GSM, were treated with HA of 20 mg/ml in the vaginal canal.

Results

A significant objective aesthetic improvement of the sagging skin and labia majora deflation was observed in all patients, post-treatment, in all follow-up. Subjectively, the Visual Analogue Scale (VAS) showed that all treated patients were satisfied with the final outcome achieved. Pictures of before-and-after, as well as the evaluation of patient's satisfaction with the VAS, were done in the follow-up: immediately; at one month; and, at three months. VMI results indicated that 67.50% of the volunteers showed a statistically significant improvement ( $p=0.0459$ ). VHI results demonstrated a statistically significant improvement ( $p$

Conclusion

Our results show that the use of a single injectable application of hyaluronic acid, HA; in the vulva and vagina, effectively improves both labia majora deflation and sexual quality of life, giving the vulva a younger appearance and achieving optimal patient sexual satisfaction.

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**GASPAR Adrian**

Thursday, March 30, 2023 - from 14:00 to 16:00

**AURIC 4**

Session:  
Genital Restoration Aesthetic Gynecology Agenda - Part III

**HYPERSTACK BIOMODULATION FOR THE MANAGEMENT OF CLITORAL ERECTILE DYSFUNCTION**

HYPERSTACK SMOOTH BIOMODULATION FOR THE MANAGEMENT OF CLITORAL ERECTILE DYSFUNCTION

AUTHORS: Gaspar Adrian, M.D.

INSTITUTIONS:  
Espacio Gaspar Clinic, Mendoza, Argentina.

Introduction:

With the arrival of menopause, the lack of sexual steroids will promote a decrease both in trophism and in the ability to respond to the stimulation of erogenous zones. Based on the demonstrated regenerative effect of the Erbium Smooth laser, a novel laser protocol with sub-ablative Erbium:YAG in a Hyperstack pulse is proposed.

Material and methods:

19 physicians participated in this prospective study conducted between January, 2019, and September, 2022, including covid delays, with a mean patient age of 61.1 years, with an average BMI of 24.5. 3 laser sessions with a non-ablative erbium smooth laser were applied with 15-day intervals, following this new hyperstack technique.

Results:

14 patients reported an excellent outcome. 2 patients noticed a slight change. 3 patients did not notice improvement. Of the 14 patients who noticed an excellent outcome, 12 of them ended at the 3-month follow-up either "Satisfied" or "Very Satisfied" with the treatment. The average Likert score at the 3-month follow-up was 4.5 out of 5.

Conclusions:

The Hyperstack Smooth mode Er:YAG laser is a new and highly-effective tool for the treatment of clitoral erectile dysfunction.

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**GENTILE Pietro**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS

**PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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**GENTILE Pietro**

Thursday, March 30, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Regenerative Medicine Course Session 1: Regenerative Aesthetics - Claims, Evidence and Reasoning

**FAT GRAFTING FOR BREAST AUGMENTATION AND SOFT TISSUE DEFECTS**

Background: Fat graft enhanced with adipose-derived stem cells (FG-e-ASCs) has been utilized in outcomes of radiotherapy after mastectomy, breast soft tissue defects, ulcers, and loss of substance. The authors present their experience using FG-e-ASCs in breast augmentation and breast reconstruction.

Objectives: The aim of this study was to evaluate the safety and efficacy of a study group (SG) regarding the use of FG-e-ASCs in breast augmentation for aesthetic improvement, comparing the results with a control group (CG) and at the same time the safety and efficacy of a study group (SG-1) regarding the use of FG-e-ASCs in breast reconstruction, comparing the results with a control group (CG-1).

Methods: A total of 46 patients affected by breast hypoplasia were treated with FG-e-ASCs, comparing results with those of a CG (n = 30) treated with fat graft not enhanced with adipose-derived stem cells (FG-ne-ASCs). The preoperative evaluation included a complete clinical evaluation, a photographic assessment, magnetic resonance imaging (MRI) of the soft tissue, ultrasound (US), and mammography (MG). Postoperative follow-up took place at 1, 3, 7, 12, 24, and 48 weeks, and then annually.

121 patients (SG-1) that were affected by the outcomes of breast oncological surgery were treated with FG-e-ASCs, comparing the results with the CG-1 (n = 50) treated with FG-ne-ASCs. The preoperative evaluation included a complete clinical examination, a photographic assessment, biopsy, magnetic resonance (MRI) of the soft tissue, and ultrasound (US). Postoperative follow-up took place at two, seven, 15, 21, 36 weeks, and then annually.

Results: The patients treated, for breast augmentation, with FG-e-ASCs showed 58% maintenance of the contour restoring and of 3-dimensional (3D) volume after 3 years compared with the patients of the CG treated with FG-ne-ASCs, who showed 29% maintenance. In 67.4% (n = 31) of breast augmentation treated with FG-e-ASCs, we observed a restoration of the breast contour and an increase of 10.3 mm in the 3D volume after 36 months, which was observed in only 20.0% (n = 6) of patients in the CG treated with FG-ne-ASCs. Volumetric persistence in the SG was higher than that in the CG (P

In 72.8% (SG-1 n = 88) of breast reconstruction treated with FG-e-ASCs, we observed a restoration of the breast contour and an increase of 12.8 mm in the three-dimensional volume after 12 weeks, which was only observed in 27.3% (n = 33) of patients in the CG-1 that was treated with FG-ne-ASCs. Transplanted fat tissue reabsorption was analyzed with instrumental MRI and US. Volumetric persistence in the SG-1 was higher (70.8%) than that in the CG-1 (41.4%) (p

Conclusions: The use of FG-e-ASCs was safe and effective in this series of cases performed.

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**GENTILE Pietro**

Friday, March 31, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

**PRP IN PATIENTS WITH ANDROGENETIC ALOPECIA: CLINICAL AND HISTOLOGICAL EVALUATION**

Objectives: A retrospective case-series study comparing autologous activated platelet-rich plasma (AAPRP) versus autologous non-activated platelet-rich plasma (A-PRP) in hair re-growth was reported.

Methods: 90 patients, 63 males showing AGA in stage I-V by the Norwood-Hamilton scale and 27

females with AGA in stage I-III by the Ludwig scale, treated since 2013, were analyzed. 57 patients were treated with A-PRP injections and 33 patients were treated with AA-PRP in three sessions spaced 30 days average. Assessment of hair re-growth was evaluated in different weeks (Ws) after the treatment, summarized in four phases: T0, before the first infusion, T1 - 12 Ws, T2 - 23 Ws, T3 - 44 Ws, T4 - 58 Ws after the last treatment.

Results: 12 Ws, 23 Ws, 44 Ws, and 58Ws after the last treatment, hair density measurements for patients treated with A-PRP and AA-PRP were  $65 \pm 5$  and  $28 \pm 4$  hairs/cm<sup>2</sup> at T1,  $28 \pm 2$  and  $15 \pm 3$  hairs/cm<sup>2</sup> at T2,  $25 \pm 3$  and  $14 \pm 3$  hairs/cm<sup>2</sup> at T3,  $23 \pm 3$  and  $13 \pm 3$  hairs/cm<sup>2</sup> at T4.

Conclusion: The effects of A-PRP and AA-PRP in hair re-growth during a long-term follow-up, was demonstrated.

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## **GENTILE Pietro**

Friday, March 31, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

### **MICROGRAFTS CONTAINING HUMAN FOLLICLE STEM CELLS: SCIENTIFIC VALIDATION IN AGA PATIENTS**

Hair bio-engineering has risen at the crossing point of various manipulations to meet a clinical requirement for innovations to advance hair growth. The authors reported the microscopic and trichoscopic results of an autologous cell biological technique to compare, through histological, immunocytochemistry, and cytospin analysis, hair re-growth obtained by micro-grafts from scalp tissue containing Human Intra- and Extra-Dermal Adipose Tissue-Derived Hair Follicle Stem Cells (HD-AFSCs) versus placebo (saline solution). An autologous solution of micro-grafts was obtained from mechanical fragmentation and centrifugation of scalp biopsy's (2 &nbsp; 2 mm) using "Gentile protocol". The micro-grafts solution was mechanically infiltrated on half of the selected patients' scalps with Androgenic Alopecia (Norwood-Hamilton 2-5 and Ludwig 1-2). The other half was infiltrated with saline solution. Three injections were performed to each patient at 45-day intervals. Of the 35 patients who were enrolled, 1 was excluded and 1 was rejected. 23 and 44 weeks after the last micro graft's injections, the patients displayed a hair density improvement, with a mean increment of 33% +/- 7.5% and 27% +/- 3.5% respectively, contrasted with baseline values, for the treated region. Microscopic assessment appeared, in scalp biopsies, to show an expansion in the number of hair follicles per mm<sup>2</sup> following 11 months from the last micro-grafts application compared with baseline ( $1.4 + 0.27$  versus  $0.46 + 0.15$ , respectively; p may represent a safe and effective alternative therapy option against hair loss.

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## **GINTER Serge**

Saturday, April 01, 2023 - from 09:30 to 10:30

**AURIC 5**

Session:

FSH, Telomeres and Nutraceuticals Recent News

### **KEYNOTE: FSH IN AGING PROCESS**

FSH (Follicle-Stimulating Hormone) is a hormone produced by the anterior pituitary gland that regulates the reproductive function in both men and women. As women approach menopause, their ovaries become less responsive to FSH, leading to an increase in FSH secretion by the pituitary gland in an attempt to stimulate follicle growth. In addition to low estrogen level an increase in FSH levels is a common occurrence in the aging process, particularly in women as they approach menopause. Our topic investigates the association between high circulating FSH level and some physiological dysfunctions due to high FSH levels in menopause. When hormones in menopause are examined decrease in estradiol and increase in FSH occurs during the late menopausal transition. There has also been evidence that the central nervous system does not respond normally to low estrogen and high FSH levels. High FSH levels might be also correlated with hot flushes, osteoporosis, change of fat distribution and weight gain, diminution of libido, renal dysfunction, silent inflammation, rheumatoid arthritis, fatigue or even cancer risk. Obese women may experience different levels of hormonal fluctuations during the menopause transition compared to lean women. increasing FSH levels with aging can be associated with silent inflammation, which refers to low-grade inflammation that occurs without any obvious symptoms. Chronic low-grade inflammation has been linked to a number of age-related conditions, including cardiovascular disease, type 2 diabetes, and osteoporosis. In addition, research suggests that chronic inflammation may contribute to the decline in reproductive function that occurs with aging by affecting the hypothalamic-pituitary-gonadal (HPG) axis, which regulates hormone production and fertility. As a result, elevated FSH levels in the context of aging and chronic inflammation may indicate a decline in reproductive function and a heightened risk for age-related health issues.

FSH levels in most women without hormonal substitution appear to stay high even at late post menopause. Our topic treats the question of how and why we should manage high FSH levels in menopause

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**GKOUVI Aikaterini**

Thursday, March 30, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part IV

**A NEW GLANCE AT VULVAR LICHEN SCLEROSUS.TREATMENT AND REJUVENATION OF THE GENITAL AREA WITH HETEROLOGUS TYPE 1 COLLAGEN**

Background: Vulvar Lichen Sclerosus (VLS) is a chronic inflammatory dermatosis. Advanced disease has a considerable impact on the quality of life and it is associated with increased risk of vulvar squamous cell carcinoma (SCC). There is no definitive cure for VLS.

Patients and methods: We are going to present two female patients with VLS with poor response to topical clobetasol propionate that were treated with Heterologous Type I Collagen (HT1C) intradermal injections. 100mg of HT1C sterile powder, dissolved in 4,5ml of normal saline and 0,5ml of lidocaine was injected to the affected areas. 0,1ml of the solution was injected intradermally or directly subdermally in a grid pattern at approximately 1cm intervals. The patients received 4 treatments, once every two weeks.

Results: The patients exhibited a decrease of the surface area of the lesions after the first treatment with complete resolution after the third treatment. Pruritus, soreness, discomfort and dyspareunia were also resolved. There was no relapse during the next 12 months of follow up with minimal maintenance treatment.

Conclusion: HT1C is a potential new, promising treatment option for VLS, which needs further assessment in randomized controlled trials.

**GODIC Aleksandar**

Thursday, March 30, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Advanced Information for Practice

**SKIN REGENERATION AND TREATMENT OPTIONS- REVIEW**

SKIN REGENERATION AND TREATMENT OPTIONS- REVIEW

Dr Aleksandar Godic, MD, PhD

Consultant Dermatologist

European Board-Certified Dermatopathologist

The well-known skin regeneration techniques utilize various injectable preparations (hyaluronic acid, calcium hydroxyapatite, poly L-lactic acid, poly-methylmethacrylate, collagen, silicon, and polyacrylamide hydrogel) alone or in combination with a microneedling, lasers, radio waves, ultrasound, mesotherapy, chemical peels, and several cosmeceuticals, such as derivatives of vitamins A, C, and topical growth factors and hormones.

New approaches are either cell-based or cell-free. Cell-based therapies include mesenchymal stem cells (MSCs), tissue-induced pluripotent stem cells (iPSCs), fibroblast-based products, and blood-derived therapies, such as platelet-rich plasma (PRP). Cell-free therapies are MSC-derived extracellular vesicles/exosomes.

MSCs are isolated from various tissues and are abundant in fat tissue (adipose-derived MSC). They are expanded ex vivo before transplantation. The unique properties of MSCs are self-renewal, multidirectional differentiation, regulation of inflammation, immunomodulation, and angiogenesis which make them an important tool in skin regeneration.

Cell-free products are mostly based on the secretory components of MSCs, such as MSC-derived exosomes (MSC-exo), MSC-derived conditioned media (MSC-CM), and MSC-derived extracellular vesicles (MSC-EVs). They are collected from MSC-conditioned media or supernatant. Exosomes, called extracellular vesicles (EcVs), are present in almost all cells, tissues, and body fluids. They help in intercellular signaling and maintain tissue homeostasis in disease pathobiology. Researchers have characterized 9,769 proteins, 2,838 miRNAs, 3,408 mRNAs, and 1,116 lipids being present in exosomal cargo. They interact with target cells through superficial ligands and are phagocytosed by target cells where they release their content.

Both, cell-based and cell-free methods have in common end-effects of skin regeneration, such as collagen production, volume loss replacement, skin texture improvement, reduction of wrinkles, and improvement of skin laxity. There are still some limitations in their usage, especially those related to tissue origin and donor factors, discrepancies in isolation and culture procedures, and risk of adverse effects, such as tumorigenicity and ethical questions, and are therefore not yet officially recognized aesthetic treatment methods by many regulatory bodies around the world.

**GOLD Michael**

Wednesday, March 29, 2023 - from 09:00 to 11:00

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**



Session:  
Hot Topics in Lips Perioral Region

**LIP QUARTET AESTHETICS: TOXIN, FILLER, EBD, SKINCARE**

Lip Quartet Aesthetics: Toxins, Fillers, EBDs, and Skin Care

The use of combination therapies has been part and parcel of how we approach the aesthetic patient in 2023. We routinely combine different modalities as a way to enhance and to maximize our results.

Objectives: To review some of the commonly used products to give us the most aesthetically pleasing results when treating the lips and the surrounding areas.

Methods: Personal experience and peer-reviewed data will be shown,

Results and Conclusions: By combining all of the "tools" we have, aesthetically pleasing results in the lips and lip area can be achieved.

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**GOLD Michael**

Thursday, March 30, 2023 - from 11:00 to 11:55

**GENEVOIX**

Session:

A 360° Plan for Treating Active Acne Post-Acne Skin: Dr Michael H GOLD (US) Dr Rishi MANDAVIA (London)

**USING 1726 NM FOR MILD-SEVERE ACNE - MY EARLY FINDINGS AND CLINICAL PEARLS WITH NEW AVICLEAR**

Acne is one of the most common therapeutic problems that we face as dermatologists on a daily basis in our clinics. Medical therapy has always been the gold standard for our treatments. Over the past several years, new and exciting laser therapy has entered into our therapeutic armamentarium and this has been a welcome addition for many of our patients.

Objectives: To review the clinical trial program for the new 1726 nm laser for acne and my early clinical experience.

Methods: This presentation will review the FDA clinical trial program as well as the real world experience from my dermatology clinic.

Results and Conclusions: The new 1726 nm laser has shown statistically significant clearance rates after three treatments and patients continued their improvements for time-periods of 3 months, 6 months, and 12 months following their final treatment. In addition to inflammatory lesion count reduction, significant nodule lesion reduction was also seen. The treatments were well tolerated with minimal to no adverse events. These will all be reviewed. The new 1726 nm laser for acne has been well accepted by clinicians and patients looking for long-term acne clearance.

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**GOLD Michael**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

**IPL TECHNOLOGY - WHAT WE KNOW FROM RESEARCH FROM LONG-TERM ANALYSES**

Objectives: The objectives of this presentation is to show the safety and efficacy of the IPL for the treatment of a variety of skin concerns, including photoaging over time.

Introduction: Intense pulsed light (IPL) devices really revolutionized the EBD market when they were first developed over 25 years ago. IPL technology was developed to treat vascular lesions, found to work well on pigment, and then on collagen and elastin itself, giving us the first real EBD treatment for photorejuvenation. Over the years, the IPL technology became more and more sophisticated and we are now at a time and place that the IPLs of today are safe, sophisticated, and predictable in giving our patients the results that we all want for their skin.

Methods: Clinical trial data has confirmed that long-term continuous use of IPLs has significant effects on photoaging and photodamage. This data will be presented.

Results and Conclusions: In a review of the largest clinical trial for IPL use over 10 years, those patients who had yearly IPL treatments had continued improvement in their skin, actually showing a lowering of their actual age when photographic analyses were made by blinded investigators. This important clinical trial will be reviewed in detail.

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**GOLD Michael**

Saturday, April 01, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

Lasers EBD - Body Contouring

**TREATING CELLULITE WITH A NEW INJECTABLE MEDICINE**

Objectives: Cellulite is one of most common concerns women present with to have treatment.

Introduction: While there are many EBDs available to improve the appearance of cellulite, we are always looking for a

potentially longer lasting clinical result in our patients. With our new injectable FDA approved medicine, we may have that area covered.

Methods: This presentation will review the material available in the public domain for CCH, a new collagenase inhibitor recently approved for the treatment of cellulite.

Results and Conclusions: CCH effectively treats cellulite and now we have our first FDA cleared injectable for this indication.

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**GOLD Michael**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

**HIGH-DOSE TOXIN INJECTIONS - WHERE ARE WE TODAY?**

Objectives: The use of botulinum A for the improvement of lines and wrinkles has proven to be the most popular cosmetic treatment available worldwide. The available toxins available in the US all have an FDA approval for the improvement of the glabellar furrows. The studies have all been carried out with similar endpoints and goals for all of them. We are now exploring the use of high-dose toxins to understand fully if injecting higher doses at different concentrations will make a difference in terms of longevity and keeping their excellent safety profiles.

Methods: A review of the major toxins who have studied high-dose toxins will be reviewed and the studies which were performed for each of them.

Results: All three toxins studied - onabotulinum toxin A, Abobotulinum toxin A, and Incobotulinum toxin A all had impressive longevity results by increasing the dose and concentration of the individual toxin. The duration of time of the effect for each one will be reviewed.

Conclusions: High-dose toxins are a new concept for those performing injectable therapy but may become more common in the future, as patients want long lasting and safe results.

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**GOLDBERG David**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 4**

Session:

ESLD SESSION: LASER UPDATES - PANEL DISCUSSION

**LASER UPDATES**

There are many challenging situations in the field of laser applications in Dermatology which sometimes makes even the most experienced practitioners think twice before using the lasers.

Some of those situations will be discussed during a panel discussion with few of the top laser experts in the world. A session not to be missed in collaboration with the European Society for Lasers and energy based Devices "ESLD"

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**GOLDBERG David**

Thursday, March 30, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Lasers EBD Forum

**1726NM LASER LONG-TERM ACNE IMPROVEMENT: THE HOLY GRAIL**

Introduction: A variety of energy-based devices have been used treat acne. Many can induce some improvement in acne. However, once treatment is stopped acne flares are the norm. This is because none of these technologies impact directly on the sebaceous gland. 1726nm is directly absorbed by sebum and has no impact on melanin. This means this laser can be used in the treatment of acne in all skin types.

Abstract Summary/Learning Objectives: This talk will focus on our recent FDA study on the use of a 1726nm (AviClear, Cutera) laser for the treatment of acne. Mechanism of action will be discussed, study parameters as well as both 3-month post-treatment data (used for FDA submission) and 6-and 12-month post-treatment data.

Conclusion: This laser is the 1st ever laser FDA clear for long-term clearance of mild, moderate, and severe acne.

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**GOLDBERG David**

Saturday, April 01, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:  
Lasers EBD - Body Contouring

### **UPDATE OF NON-INVASIVE BODY CONTOURING : WHAT IS NEW?**

Introduction: Non-invasive Skin Tightening is among the most rapidly growing areas of aesthetic dermatology throughout the world. Both facial and non-facial areas can be treated. A variety of energy-based sources can be used including ultrasound, radiofrequency and HIFEM to treat skin, fat, and muscle.

Abstract Summary/Learning Objectives: This talk will focus on the evolution of these technologies with a focus on better newer approaches. Both science and clinical approaches will be discussed.

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**GOLDIE Kate**

Thursday, March 30, 2023 - from 09:30 to 10:30

**SALLE DES PRINCES**

Session:  
Present and Future of Aesthetics

### **REGENERATION AND US - THE FUTURE OF AESTHETICS**

Regenerative medicine (RM), as a field of medical research and clinical practice, is, in itself, relatively new within the historical context of medicine and the concept of regenerative aesthetics (RA) is newer still. In both cases the traditional divisions of system-based medicine are replaced with a field defined by biological goals, in this case the recreation of normal/youthful functioning tissue. Regenerative medicine has the broad aim to replace tissue lost or damaged through disease, trauma. Regenerative aesthetics focuses on the regeneration of soft tissue lost or damaged due to aging processes which consequently impacts on the aesthetics of the individual. The aims and focus of RM and RA are similar but distinct. The goal of this lecture is to highlight the importance of establishing RA as a distinct sub-field of RM and to propose clear fundamental RA definitions and parameters. The first step on this journey is to examine our current practice and identify treatment approaches which have regenerative potential. The second is to clarify what the unique challenges of RA are, highlighting important insights and mechanisms of action at the centre of the field of RM which are relevant to RA, while at the same time understanding the specific RA biological environment which primarily involves the in vivo treatment of non-pathological, senescent tissue. The goal of this, of course, is both tissue regeneration and its aesthetic impact. Starting from these principles, the basic process of soft tissue aging will be considered along with two examples of current treatment approaches which exhibit regenerative potential.

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**GOLDIE Kate**

Thursday, March 30, 2023 - from 17:45 to 18:45

**NIJINSKI**

Session:  
The power of skin rejuvenation and regenerative aesthetics.

### **THE POWER OF SKIN REJUVENATION AND REGENERATIVE AESTHETICS.**

The new dawn of regenerative aesthetics is with us. Join us to discuss how we can understand what regeneration truly is and how we can create healthy tissue which is both structurally and functionally regenerated. Based on the newly published JCD supplement "Regenerative Aesthetics" this symposium will introduce the concept of regenerative scaffolds and look at hands-on practical techniques of regeneration in action.

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**GOLDIE Kate**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:  
When to Stop Treatments With Fillers

### **PILLARS OF NATURAL FACE**

The art of understated, individual and natural results with soft tissue fillers is one of the most challenging in aesthetics today. These skills don't come easily to the practitioner but require a systematic approach to each tissue compartment and facial zone. This lecture shares practical techniques from both research and practice and includes natural aesthetic "vision" to overcome regional anatomical challenges.

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**GOUT Uliana**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

## NAVIGATING THE LANDSCAPE OF SELFIES, SOCIAL MEDIA, AND REALISTIC EXPECTATIONS AMONG AESTHETIC PATIENTS

### **SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to manage patients in the ever-changing world of digital media.

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**GRUNEBAUM Lisa**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

MY PATIENT HAS BDD, NOW WHAT?

### **THIS PANEL DISCUSSION WILL REVIEW ILLUSTRATIVE CASES OF OUR OWN PATIENTS WITH BDD AND HOW DIFFERENT INDIVIDUALS MANAGE THEM**

Body dysmorphic disorder (BDD) is a disease spectrum which is commonly encountered in the cosmetic patient population. It affects between 4 - 33% of patients presenting for cosmetic procedures and is seen in every cosmetic practice. Often BDD isn't recognized until after we taken a patient into our practice and established a care relationship making management challenging. This panel discussion will review illustrative cases of our own patients with BDD and how different individuals manage them. Special consideration to discussing pearls and approaches to managing these difficult cases.

Panelists:

- Brittany Howard MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
- Lisa Grunebaum MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
- J. Madison Clark MD, Facial Plastic Surgery, University of North Carolina, Chapel Hill, NC, USA
- Sabrina Fabi MD, Dermatologic Cosmetic Surgeon, Cosmetic Laser Dermatology, San Diego, CA, USA
- Nicole Kanaris MBBCh, Advanced Aesthetic Minimally Invasive Surgeon, Med Aesthetique, SA ALT Beauty, SA

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**GRUNEBAUM Lisa**

Saturday, April 01, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

"My biggest mess up" - Complications Panel

### **INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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**HALIM Azza**

Friday, March 31, 2023 - from 17:30 to 18:30

**GENEVOIX**

Session:

Combined protocol with threads polynucleotides for facial lifting

### **COMBINED PROTOCOL WITH THREADS POLYNUCLEOTIDES FOR FACIAL LIFTING.**

Purpose: To demonstrate how PDO threads and polynucleotides contribute to tissue lifting and tightening in the immediate result as well as continued neocollagenesis and skin hydration.

Methodology: PDO threads for tissue repositioning and PDRN for tissue revitalization at the dermal-epidermal level as well as deeper tissue level with unidirectional and bidirectional barbs placed and nucleofill injected.

Conclusion: PDRN has hydrating effect as well as moisturizing and intense lifting effect in conjunction with the PDO threads.

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**HAUSAUER Amelia**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS

**PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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**HAUSAUER Amelia**

Thursday, March 30, 2023 - from 09:30 to 11:25

**PRINCE PIERRE**

Session:

Toxin Talk - Emerging Techniques, Technologies and Thinking

**20 YEARS OF TOXIN TRIALS - A SYSTEMATIC REVIEW OF US FDA PIVOTAL STUDIES WITH NEEDS ASSESSMENT AND GLOBAL ANALYSIS**

Introduction: Botulinum toxin type A (BoNTA) injection represents the most popular nonsurgical cosmetic procedure performed worldwide with an increasing number of available products.<sup>1,2</sup> Those that are approved by the United States (US) Food and Drug Administration (FDA) have undergone rigorous, multi-phase evidence level I clinical trials to determine appropriate dosing and quantitatively evaluate safety, efficacy and tolerability. With rising demand for botulinum toxins comes a greater diversity of patient populations seeking treatment with respect to age, Fitzpatrick skin phototype, ethnicity, sociocultural considerations, and gender.<sup>2</sup>

Methods: A primary literature search for phase 2 and 3 pivotal trials of botulinum toxin type A for cosmetic indications was conducted according to the PRISMA reporting guidelines.

Results: Comparisons of study design, participant characteristics, experimental variable(s), outcome metrics and adverse events were performed, tabulated and analyzed.

Conclusion: This first-of-its-kind retrospective analysis serves as a new resource for direct comparison of the robust trials conducted to obtain FDA approval of cosmetic neuromodulators. It also highlights the need for more ethnoculturally diverse data that matches the evolving demographics of patients seeking toxin treatments, requisite standardization of meaningful outcome metrics, limits of extrapolation, and potential failure to capture full dose-response effects. This research may stimulate discussion re study design while raising the evidence level for aesthetic applications of BoNTA globally.

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**HAUSAUER Amelia**

Thursday, March 30, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Regenerative Medicine Course Session 1: Regenerative Aesthetics - Claims, Evidence and Reasoning

**PLATELET-BASED THERAPIES - WHAT'S THE EVIDENCE?**

Understanding the strengths, limitations, and persistent questions in the scientific literature supporting platelet based therapies in aesthetics medicine. This presentation will discuss both technical preparatory as well as clinical patient selection factors that contribute to successful applications of platelet rich plasma and related solutions and scaffolds according to level of evidence for hair and cutaneous indications. Special attention paid to what we know versus what we don't.

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**HAUSAUER Amelia**

Saturday, April 01, 2023 - from 09:00 to 10:30

**NIJINSKI**

Session:

Aesthetics Reality: Trial by Jury - Evidence VS Marketing (Part 2)

**HOW LONG DO FILLERS REALLY LAST?**

This session will discuss the evidence supporting filler longevity as it pertains to clinical outcomes and tissue persistence. Analyzing what we have learned from histopathology and imaging studies as well as what are relevant in vivo endpoints and what variables may impact duration of filler over time.

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**HENDRICKX Benoit**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:

FOCUS ON EYELID PTOSIS AFTER TOXIN TREATMENT

**PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

**HENDRICKX Benoit**

Friday, March 31, 2023 - from 09:00 to 10:30

**NIJINSKI**

Session:

Aesthetics Reality: Trial by Jury - Evidence VS Marketing (Part 1)

**FILLER "LIFTING" - WHAT'S THE TRUTH?**

There is literature evidence that fillers have indeed some lifting effect on soft tissues of the face. However, many claims of commercial products are exaggerated or not based on scientific data. In this presentation, we highlight some key points to distinguish facts from fiction.

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**HENDRICKX Benoit**

Friday, March 31, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Ultrasound Imaging in Aesthetics

**ANATOMY IS YOUR FRIEND! AUGMENTED REALITY IMAGING OF THE INDIVIDUAL ARTERIAL ANATOMY REDUCES COMPLICATIONS WITH FILLER INJECTIONS**

Vascular mapping for filler injections is mostly performed with ultrasound. However, this is very time consuming and has a very steep learning curve. Based on a one time MRI without contrast, it is feasible to visualize the individual arterial anatomy of any patient in augmented reality, offering a fast and reproducible tool to avoid vascular complications with injectables.

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**HIBINO Sawako**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 5**

Session:

Latest Research on Medical Conditions

**THE PROSPECTS OF MESENCHYMAL STEM CELL-BASED CELL-FREE STRATEGIES IN JAPAN**

During the period from genome medicine to regenerative medicine, progress in medicine lead to the establishment of treatments for diseases that were previously considered to be incurable. Prediction of disease occurrence and its early prevention also became possible. As a result, peoples' lifespans are expected to become ~125 years. In addition, recent research on the aging mechanism and genes associated with aging has clarified the aging process.

The progress and spread of regenerative medicine in Japan have been particularly remarkable, along with which the Act on the Safety of Regenerative Medicine ("RM Act") was passed and enacted in 2013 as the number of inappropriate regenerative medicines performed under free medical treatment increased in the absence of regulations. As a result, in Japan,

regenerative medicine can only be performed at licensed medical facilities under the approval of the Ministry of Health, Labour and Welfare.

At our clinic, we have obtained approval from the Ministry of Health, Labour and Welfare for Class II and Class III regenerative medicine based on the new Act on the Safety of Regenerative Medicine, and we also provide stem cell therapy, etc.

Among regenerative medicines, adipose-derived mesenchymal stem cells (AdMSC) are widely used due to their ease of harvesting as a cell source, high differentiation potential, and high content of so-called stem cells (progenitor cells). MSCs, as represented by AdMSCs, are known to have angiogenic, anti-inflammatory, and tissue regenerative effects, with the clinical application of their diverse biological properties in regenerative medicine attracting attention. Among them, many studies have revealed that the secretome, which contains various cytokines, growth factors, and exosomes (extracellular vesicles: EV) secreted from MSCs, plays a role in tissue protection and regeneration, and, like MSCs, has therapeutic effects on various diseases. MSCs obtained from fetal appendages, including the umbilical cord, placenta, and amnion, have gained recognition as a potential cell source. Among these, umbilical cord-derived MSCs (UC-MSCs) are known for their higher proliferative and immunotolerance capacity compared to adipose-derived MSCs (AD-MSC). UC-MSC have a distinct capacity for self-renewal and the ability to differentiate into adipocytes, osteocytes, chondrocytes, neurons, and liver cells. In addition, when cells enter the host body, they accumulate in damaged tissue or inflamed areas and accelerate tissue repair by modulating the immune system. Wharton Jelly isolated from mesenchymal stem cells (hWJMSC) have been described as the best source of MSC

In our previous study, we conducted a characterization analysis of exosomal miRNAs in MSC conditioned medium (MSC-CM) from various tissue sources. Our findings revealed that UC-MSCs derived from Wharton's Jelly (WJ) had a high absolute quantity of both exosomes and miRNAs. Thus, the field of cell-free therapy has been attracting attention. I have been conducting basic and clinical research on placenta therapy as a promising treatment method from the viewpoint of regenerative medicine as cell-free therapy. Compared to MSC, cell-free therapy does not require management of cell collection, culture, storage, and transportation from the patient himself/herself, has a lower risk of pulmonary embolism, and can be used more easily, safely, and inexpensively, making it applicable in preventive medicine. It is expected that this will enable all patients to receive regenerative medicine under the same conditions, thereby contributing to the realization of a healthy and long-lived society. In this session, we will discuss the effectiveness of stem cell therapy and exosomes in regenerative medicine and anti-aging medicine, as well as their potential in future medicine.

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## **HOFFMANN Klaus**

Saturday, April 01, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

Lasers EBD - Body Contouring

### **MGNETS AND HEAT FOR BODY CONTOURING**

Magnets and Heat for full body contouring

#### Introduction

In nowadays aesthetic practice, versatile non-invasive technologies are becoming even more important when it comes to patient attraction. High intensity focused electro-magnetic (HIFEM) procedure synchronized with radiofrequency (RF) may be considered as one. Due to the unique synergy of both energies delivered at the same time, it targets both subcutaneous tissue and underlying muscles, resulting in substantial aesthetic improvement of the treated area. The aim of this analysis is to investigate the effects of HIFEM&RF procedure and identify the plausible body areas to be treated.

#### Methods

The various studies have already researched the effect of RF and HIFEM procedure for fat and muscles. To maximize the treatment effect, it should be applied in the body parts composed of sufficient amounts of muscular and fat tissue. Comfortable yet intense muscle contractions should be achieved. Patient feedback regarding the intensity of applied energies is also crucial, to avoid any risk of discomfort or undertreatment. Each procedure consists of a set of four treatment sessions lasting 30 minutes delivered once a week.

#### Results

Initial studies on HIFEM&RF procedure were performed on the abdomen, proving its efficacy in this body part by observing the significant -30% fat reduction and +25% muscle increase on average. The synergy of both technologies was found to represent an important aspect of the outcomes. Due to the extensive muscle activity induced by the HIFEM component and beneficial muscle heating conveyed by RF, the muscle strengthening was achieved. Correspondingly, the subcutaneous fat reduction was mostly attributed to RF heating forcing the fat cells to reduce its size and count by natural mechanism of apoptosis. Furthermore the application of HIFEM&RF was investigated in other body parts as well such as buttocks, lateral thigh, inner thigh and upper arms, showing corresponding efficacy and safety. Additionally, the front and back thigh, and back lower leg (calves) can be considered as feasible treatment areas.

#### Conclusion

HIFEM&RF procedure is a safe and effective tool for non-invasive fat reduction and muscle strengthening in a sheer number of body areas including abdomen, buttocks, thighs, arms and calves.

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## **HOFFMANN Klaus**

Saturday, April 01, 2023 - from 11:00 to 12:00

**BOSIO**

Session:  
Minimally Invasive Surgery: Body

## **EBD BODY: MEDICAL EVIDENCE ON TECHNOLOGIES SIDE EFFECTS ON TISSUES**

Medical evidence on technologies & Side effects on tissues

Objectives:

- Introduce synchronized RF+HIFEM technology
- Define the possible scale of treatment options
- Conclude most relevant results from published studies

Introduction:

The combination of synchronized radiofrequency (RF) and high-intensity focused electromagnetic field (HIFEM) is a novel solution for fat reduction and muscle growth, delivered during one treatment. The principle of action is based on the thermal effect of RF causing adipocytes apoptosis and muscle fiber hypertrophy and hyperplasia through supramaximal contractions from HIFEM leading to muscle strengthening. Overall, until this date the numerous studies including examination of different body parts were published evidencing the high efficacy of such therapy.

Methods:

The data on HIFEM+RF technology were collected from studies conducted since 2019. Within the human patients the examined areas included buttocks, lateral thighs, inner thighs and abdomen. The main evaluation methods used in human studies were MRI imaging, ultrasound and circumference measurements. In addition the porcine model studies focused on in-depth examination of the treated tissues were identified and reviewed as well.

Results:

Histology and scanning electron microscopy showed efficacy of the procedure for disruption of adipocytes and muscle tissue strengthening. In human subjects, the results were found to peak at 3 months after the last procedure, when the reduction in fat thickness reaches 30% and muscle growth 25% on average. The remarkable effect was achieved also in reducing abdominal separation (diastasis). The procedure is comfortable with high patient satisfaction. No serious adverse events or side effects were observed neither in humans nor in animal studies.

Conclusion:

Based on the reviewed research on simultaneous effect of RF+ HIFEM in fat reduction and muscle toning it may be concluded that the treatment is safe and effective, showing promising potential in body shaping with high patient attraction due to the versatility of treatment options and high efficacy.

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**HOFFMANN Klaus**

Saturday, April 01, 2023 - from 16:30 to 18:00

**NIJINSKI**

Session:  
Radiofrequency

## **HOW TO COMBINE HIFEM RF**

How to combine HIFEM & RF

Introduction:

Increasing number of patients seeking body shaping procedure in aesthetic clinics is not interested in treatment of only selected body area such as abdomen, but rather seek an overall improvement in body shape. Aside from abdomen, it is thus necessary to address other body areas such as flanks, buttocks or all sides of thighs. On top of it, reducing fat deposits is often not enough for the patients, as they also request muscle strengthening to achieve fully natural and toned look.

Methods:

To achieve the best effect in both tissues it is necessary to target the fat and muscle tissues simultaneously. For such purpose a technology utilizing radiofrequency heating and HIFEM muscle stimulation has been developed and introduced to the market. The RF heating induces temperatures required for apoptosis of adipose tissue while HIFEM induces supramaximal muscle contractions that trigger muscle growth and strengthening. In practice the procedure last 30 minutes and requires 4 sessions.

Results:

In our clinic we attempted to use this procedure for abdominal remodeling, buttock augmentation, inner thigh fat reduction, thigh toning or arm strengthening. Lately we've used the technology to reduce the fat on flanks. Treating the different areas requires different approaches of the treatment to achieve the best results. The aim of this lecture is to provide an overview on how to implement this technology to various body parts in order to maintain high patient satisfaction and patient flow in the clinic.

Conclusion:

Technology combining HIFEM and RF energies yields great number of use cases in the clinic which significantly extends the offered treatment portfolio. However, to achieve high efficacy and to keep high patient satisfaction it is necessary to take into account the muscular anatomy of each patient.

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**HOWARD Brittany**

Saturday, April 01, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**



Session:

"MY BIGGEST MESS UP" - COMPLICATIONS PANEL

**INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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**HOWARD Brittany**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

My Patient Has BDD, Now What?

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- Nicole Kanaris MBBCh, Advanced Aesthetic Minimally Invasive Surgeon, Med Aesthetique, SA ALT Beauty, SA

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**HOXHA Senera**

Saturday, April 01, 2023 - from 11:00 to 12:00

**BOSIO**

Session:

Minimally Invasive Surgery: Body

**THE NEW LIPS OF TODAY'S VULVAS**

Over the last few years the importance of aesthetics in genitalia has perceived a significant grow especially towards the new generations. Affected by a commercial world where appearance sometimes is more important than the essence, the intimate areas took their importance for these treatments, increasing dramatically and unpredictably. From functional vaginoplasties combined with incontinence operations such as TOT or TVT, the labia minora correction and beautification has sometimes equated the importance of face treatments. Surgical interventions to correct labia minora hypertrophy or assymetri were followed by more mini invasive treatments usually combined with devices and products to acquire the desirable outcomes. This huge market was firstly owned by gynaecologist and plastic surgeons but nowadays seems that all of us into the beauty industry play a major role treating such patients. The problem itself seems more complex than just surgical so our collaboration between all fields of aesthetic medicine provides beautiful outcomes for our patients.

The full house treatment consists in surgical revisions, fat grafting, Co2 resurfacing, bleaching, peelings and injectables.

So what comes next? Regenerative medicine for our intimate parts.

Overall well-being and comfort is our main focus for our patients .

Take home messages are to not over correct and not over resect.

The true beauty itself is asymmetric.

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**HSIEN Chia Hsien**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 4**

Session:

Cosmetic Dermatology for Asian Patients - Taiwan's Perspective

**4-STAGE NASAL AUGMENTATION WITH PDO BARBED THREADS**

Abstract

Four Stage Rhinoplasty with PDO Barbed Threads, namely the Miracle Thread of Diamond Biotechnology Co.

Rhinoplasty is a popular cosmetic surgery within the Oriental ethnicity in Asia, due to common disadvantageous natural traits and the trend of the surging modern aesthetic prevalence and pursuit of a stereoscopic nasal expression. However, the risk of complications due to unsuccessful surgical procedures and the suffering of restoration time have made many aesthetic suitors hesitate. Therefore, some medical practitioners have tried to substitute "traditional rhinoplastic surgery" with much less invasive methods such as hyaluronic acid injections, which has a significant shortcoming result of complications of deformation over time, skin necrosis and most seriously, optical blindness due to the treatment uncertainty of the product and procedure. Fortunately, we witnessed the appearance of PDO cog threads in the application of rhinoplasty that avoids the occurrence of such frightening dilemmas. Now we are using this innovative method, with advanced techniques and revolutionary products with astonishing results similar to traditional surgical rhinoplasty results, surpassing the aesthetic and safety results of hyaluronic acid injections to achieve satisfactory outcomes in micro invasive rhinoplasty. In my presentation, I will introduce the usage of the PDO barbed Miracle threads with a four stage method for an extraordinarily exquisite rhinoplastic expression.

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## **HUE-FONTAINE Lucia**

Thursday, March 30, 2023 - from 17:30 to 18:30

**AURIC 5**

Session:

Innovative Points of View in Anti-Aging

### **KEYNOTE: CLIMATE CHANGE AND BEAUTY-AGING RESILIENCE**

In recent years, cellular senescence has become the center of attention for the treatment of aging-related diseases.

Cellular senescence is a hallmark of aging, triggered by both cell and non-cell autonomous processes, with several consequences for the organism.

Nonetheless, what if Time would only be the minor factor involved in the decline of our body internally and externally?

The new medical model, more conscious, has led to consider the IN and OUT for esthetic and anti-aging care. This new reflection has well-adjusted the management of anti-aging medicine in a more holistic way considering the individual in all its singularity with epigenetic and genetic background.

This new data must therefore be anchored in the current challenges of society. Climate change is a major concern that raises the burning question of the impact either on our health or the practice of aesthetic and anti-aging medicine. Current research and practice should integrate this factor. Indeed, it will have significant transmutations.

We will therefore discuss to what extent climate change will impact our daily practice. We will see the factors that may accelerate the mechanisms of cellular senescence, skin aging, and the development of dermo-epidermal pathologies. We will also discuss the socio-cultural impact on the diversity of our patients and their expectations. Finally, we will discuss ways to embody climate transition with awareness and resilience in our medical practice.

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## **HUMZAH Dalvi**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 4**

Session:

ESLD SESSION: LASER UPDATES - PANEL DISCUSSION

### **LASER UPDATES**

There are many challenging situations in the field of laser applications in Dermatology which sometimes makes even the most experienced practitioners think twice before using the lasers.

Some of those situations will be discussed during a panel discussion with few of the top laser experts in the world. A session not to be missed in collaboration with the European Society for Lasers and energy based Devices "ESLD"

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## **IBANEZ Ivan**

Thursday, March 30, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:

Hormonal Aging

### **CLINICAL PRE-CONDITIONING FOR STEM CELLS APPLICATION**

One of the problems that we find when we apply stem cells is the low survival of these cells when we take them out of their comfort zone and niche.

Since the beginning of life, all living organisms have had to deal with more or less lethal environmental stress situations.

Only the species that managed to adapt survived. Hormesis is the phenomenon of beneficial adaptation for the organism in the face of a harmful agent through exposure to low doses (sublethal)

and what will subsequently create a phenomenon of "tolerance" or "resistance" for higher lethal doses.

Beneficial adaptation (Hormesis) with sublethal stressors (Preconditioning) is considered a new non-pharmacological therapeutic strategy for the prevention and treatment of most current diseases.

In anti-aging medicine we have three basic clinical preconditioning for stem cells applications. We can use it before stem cells

transplantation in order to have a higher quality and more resistant stem cells:  
Hypoxic Preconditioning Treatment, intermittent fasting and senolytics.  
Hypoxic preconditioning inhibits hypoxia-induced apoptosis of cardiac progenitor cells and promotes mesenchymal stem cells.  
Intermittent fasting mitigate the decline of stem cells function in vitro and in vivo and provide evidence of functional improvement in at least one type of aged adult stem cell. Fasting and refeeding regimens are powerful promoters of stem cell self-renewal mechanisms and activators of tissue regeneration, promotes activations of cell death and autophagy followed by the activation of stem or progenitor cells.  
Using senolytic supplements cause depletion of senescent stem cells that accumulate in old organs improves organ quality and transplant outcomes.

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*Cartilage* 2021 Oct;12(4):512-525.
  - Hypoxic preconditioning rejuvenates mesenchymal stem cells and enhances neuroprotection following intracerebral hemorrhage via the miR-326-mediated autophagy  
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  - Usefulness of combining intermittent hypoxia and physical exercise in the treatment of obesity  
Aritz Urdampilleta, Pedro González-Muniesa, María P. Portillo & c.J. Alfredo Martínez
  - Entrenamiento de fuerza y resistencia en hipoxia: efecto en la hipertrofia muscular  
Diego Fernández-Lázaro, Joseba Díaz, Alberto Caballero, Alfredo Córdova
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Chapter 27 Altitude and hypoxic training in swimming
  - Hypoxic Preconditioning Inhibits Hypoxia-induced Apoptosis of Cardiac Progenitor Cells via the PI3K/Akt-DNMT1-p53 Pathway  
Rongfeng Xu, Yuning Sun, Zhongpu Chen, Yuyu Yao & Genshan Ma
  - Hypoxic Preconditioning as a Strategy to Maintain the Regenerative Potential of Mesenchymal Stem Cells  
Bushra Bahir, Mahmood S. Choudhery and Ijaz Hussain
  - Advanced Intermittent Hypobaric/Hyperbaric Method Enhanced and Cured Type 2 Insulin- Independent Diabetes Mellitus Patients: A Clinical Trial  
Sahar Ahmed Abdalbary Ph.D; Alaa Balbaa Ph.D ; Khaled A. ZedPh.D
  - Intermittent hypoxia training in prediabetes patients: Beneficial effects on glucose homeostasis, hypoxia tolerance and gene expression  
Tetiana V Serebrovska, Alla G Portnychenko<sup>1</sup>, Tetiana I Drevytska, Vladimir I Portnichenko, Lei Xi, Egor Egorov, Anna V Gavalko, Svitlana Naskalova, Valentina Chizhova and Valeriy B Shatylo
  - Current insights into the molecular mechanisms of hypoxic pre-and postconditioning using hypobaric hypoxia  
Elena Rybnikova and Mikhail Samoilov
  - Physiological and Biological Responses to Short-Term Intermittent Hypobaric Hypoxia Exposure: From Sports and Mountain Medicine to New Biomedical Applications  
Ginés Viscor, Joan R. Torrella, Luisa Corral, Antoni Ricart, Casimiro Javierre, Teresa Pages and Josep L. Ventura
  - INTERMITTENT HYPOXIC TRAINING AND CYCLING PERFORMANCE IN TRIATHLETES  
Ramos-Campo, D.J, Martínez, F., Esteban, P., Rubio-Arias, J.A. y Jiménez, J.F.
  - Intermittent hypoxia training as non-pharmacologic therapy for cardiovascular diseases: Practical analysis on methods and equipment  
Tatiana V Serebrovskaya and Lei Xi<sup>2</sup>
  - Effects of Intermittent Hypoxia Training on Exercise Performance, Hemodynamics, and Ventilation in Healthy Senior Men  
Valeriy B. Shatilo, Oleg V. Korkushko, Vadim A. Ischuk, H. Fred Downey, and Tatiana V. Serebrovskaya
  - Therapeutic Potential of Intermittent Hypoxia: A Matter of Dose  
A. Navarrete-Opazo and G.S. Mitchell
  - SHORT INTERMITTENT HYPOXIA FOR IMPROVEMENT OF ATHLETIC PERFORMANCE: REALITY OR A PLACEBO?  
Tadej Debevec & Igor B. Mekjavi?
  - Intermittent Hypoxic Preconditioning: A Potential New Powerful Strategy for COVID-19 Rehabilitation  
Ming Cai, Xuan Chen, Jieliang Shan, Ruoyu Yang, Qi Guo, Xia Bi, Ping Xu, Xiangrong Shi, Lixi Chu<sup>4</sup> and Liyan Wang
  - PHYSIOLOGICAL EFFECTS INDUCED BY INTERMITTENT HYPOXIA PROGRAMS  
Domingo J.Ramos Campo,Fernando Martínez Sánchez, Paula Esteban García, Jacobo. A. Rubio Arias,Susana Mendizábal Albizu y José F. Jiménez Díaz
  - Effect of intermittent hypoxic conditioning on inflammatory biomarkers in older adults  
Rafael Timon, Ismael Martínez-Guardado, Alba Camacho-Cardenosa, Jose M. Villa-Andrada, Guillermo Olcina, Marta Camacho-Cardenosa
  - Dietary interventions as regulators of stem cell behavior in homeostasis and disease  
Jesse S.S. Novak, Sanjeethan C. Baksh, and Elaine Fuchs
  - Intermittent and periodic fasting, longevity and disease.  
*Nat Aging.* 2021 January ; 1(1): 47-59. doi:10.1038/s43587-020-00013-3
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-

**JAHLAN MATKOVA Marina**

Saturday, April 01, 2023 - from 15:00 to 16:00

**AURIC 5**

Session:

Quality in Anti-Aging

**INTEGRATIVE MEDICINE AND PSYCHOGENETICS VIA INNER-WELLNESS PROGRAM**

In today's day and age most of us are looking for a wholesome approach to our health. Patients are more interested in well-rounded analysis of their well-being and a preventive road map to avoid illnesses that they may even be prone to.

Today we are showcasing the Inner-Wellness Program that links Integrative Medicine (an in-depth look and diagnostics of an individual's health) and Psy-to-Nomics (a psychological profiling methodology that links physical health with psycholinguistics and psychogenetics). As a result we are able to demonstrate higher efficiency rate and patient satisfaction. Harmony of mind and body leads to awareness and mindfulness, allowing a patient better understanding, proper communication, higher quality, and longer life.

**JAKLIS Antoine**

Saturday, April 01, 2023 - from 14:00 to 15:00

**BOSIO**

Session:

Minimally Invasive Surgery: Face - Part 2

**SURGICAL RHINOPLASTY UNDER LOCAL ANESTHESIA**

More than 2000 Rhinoplasties have been performed in the hospital or the office under local anesthesia in our 20 years practice.

Selection of the patient, set-up, duration of the operation and experience of the surgeon are pre-requisites to this type of surgery. Both primary and revision rhinoplasties can be performed under L/A.

Results, follow-up, and downtime are similar to any rhinoplasty. Advantages are psychological and physical comfort of the patient and parents, lower cost, and practical scheduling.

**JANOVSKA Jana**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:

Telomeres and Methylation

**EPIGENETIC RISK FACTORS OF PREMATURE SKIN AGEING: METHYLATION AND BEYOND**

Telomeres and Methylation- Epigenetic risk factors of premature skin ageing: Methylation and beyond.

1Dr.med. Jana Janovska, Dr.Claud Dalle, Prof.Julia Voicehovska

Ageing is a physiological process, which is unstoppable, but quality of life nowadays might be controlled. Biological ageing process itself is characterised by nine hallmarks: genomic instability, telomere shortening, epigenetic alteration, loss of proteostasis, deregulated nutrient sensing (insulin resistance), mitochondrial dysfunction, stem cell exhaustion, cellular senescence and altered/inappropriate intercellular communication (Shailendra Kumar Mishra et al., 2022).

These mentioned hallmarks are crucial for development of chronic latent inflammation and chronic disease development per se. Most common are cardiovascular diseases, diabetes, neurodegenerative diseases and cancer. It is important to figure out an early ageing marker, which practitioners might use for therapeutic approaches and slowing the progression of ageing. Analysing and interpreting biological marker data is challenging, while DNA methylation is the only epigenetic marker for which a detailed mechanism of mitotic inheritance has been described (Bird et al).

DNA methylation is the only epigenetic mark for which a detailed mechanism of mitotic inheritance has been described. The most common form of DNA methylation is 5-methylcytosine (5mC), which affects 70 to 80% of CpGs in the human genome. Because of its significance and heritability, 5mC is often called the fifth base of DNA (Rastogi et al., 2010). DNA methylation can modulate gene expression in response to exposure to various substances, such as nutrients, smoking, and environmental chemicals. Variation in healthy aging and lifespan is ascribed more to various non-genetic factors than to inherited genetic determinants, and a major goal in aging research is to reveal the epigenetic basis of aging. The remethylation cycle is essential for the systemic methyl donor supply, which is used for important biological processes, such as cytosine-5 methylation of genomic DNA, an epigenetic modification that plays an important role in maintaining genomic stability, chromatin structure, and in controlling transcriptional capacity (Cheng Z et al 2018).

Methodology/Principal Findings: In this prospective study, we examined both gender patients, aged 40-50 years. Relationship between prevalence of Cardiometabolic risk factors (metabolic syndrome, oxidative stress and arterial hypertension) or its predisposing conditions (hypertriglyceridemia, dyslipidemia, insulin resistance, D vitamin hypovitaminosis) and DNA hydroxymethylation was investigated. Hydroxymethylation measurement was done using a gold standard technique (liquid

chromatography + mass spectrometry), the biological age equivalent was calculated by LC-MS in laboratories Reunis, to verify the potential value of DNA methylation as a CVD biomarker.

Results: Generally, 296 both gender patients were analyzed regarding metabolic syndrome and oxidative stress, age group 40-50 years (Me=47,1). MethylAge (DNA-hydroxymethylation) in analyzed group has average age 40,1 years old. DNA Hydroxymethylation is higher in those individuals, who has increased waist circumference, as well as, statistically significant correlation was observed between MethylAge waist circumference, metabolic syndrome and hypertriglyceridemia (p

Conclusion: The evidence that the age-related changes in DNA methylation play a role in aging comes from studies of anti-aging interventions (e.g., caloric restriction, iron deficiency, dyslipidemia). Our data showed a link between premature biological ageing and waist circumference, hypertriglyceridemia. Hydroxymethylation of DNA is a good epigenetic marker for aging and risk assessment, especially in alliance with AGEs and oxidative stress research.

#### References

1. Barouti Z, Heidari-Beni M, Shabaniyan-Boroujeni A, Mohammadzadeh M, Pahlevani V, Poursafa P, Mohebpour F, Kelishadi R. Effects of DNA methylation on cardiometabolic risk factors: a systematic review and meta-analysis. Arch Public Health. 2022 Jun 2;80(1):150. doi: 10.1186/s13690-022-00907-1. PMID: 35655232; PMCID: PMC9161587.
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3. Kaye, A.D., Jeha, G.M., Pham, A.D. et al. Folic Acid Supplementation in Patients with Elevated Homocysteine Levels. Adv Ther 37, 4149-4164 (2020). <https://doi.org/10.1007/s12325-020-01474-z>
4. Chen BH, Marioni RE, Colicino E, Peters MJ, DNA methylation-based measures of biological age: meta-analysis predicting time to death. Aging (Albany NY). 2016 Sep 28;8(9):1844-1865. doi: 10.18632/aging.101020. PMID: 27690265; PMCID: PMC5076441.

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## KADOUCH Jonathan

Thursday, March 30, 2023 - from 09:30 to 10:45

CAMILLE BLANC

Session:

Evolution of Dermal Fillers

### THE USE OF PREMIXED CAHA AND HA FILLER: SAFETY AND EFFICACY

Background: Limited data are available describing effectiveness of combining the use of calcium hydroxylapatite (CaHA) and hyaluronic acid (HA).

Methods: The authors performed a retrospective chart review of patients injected with a premixed combination of CaHA and a cohesive polydensified matrix (CPM) HA (CaHA:CPM-HA ) in the authors' aesthetic practices. The midface and lower face were injected. Patients' records were evaluated, and treatment results were scored using the Merz Aesthetics Scale for the jawline&nbsp;(clinician rated, CR-MASJ). Adverse events were recorded.

Results: A total of 41 patients were included, all females with a mean age of 47.5 years (range 21-63 years). 100% of the subjects had experienced a 1-point improvement in CR-MASJ score at t = 3 months, versus 85% at t = 12 months. No adverse events were reported.

Conclusion: The results of this study support the volumizing and lifting potential of the hybrid mix CaHA:CPMHA for treatment of cheeks and jawline.

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## KADOUCH Jonathan

Friday, March 31, 2023 - from 14:00 to 16:00

CAMILLE BLANC

Session:

Ultrasound Imaging in Aesthetics

### TREATMENT OF VASCULAR ADVERSE EVENTS - FLOODING PROTOCOL VERSUS ULTRASOUND GUIDED INJECTIONS

Background: Adverse vascular event management following hyaluronic acid-based aesthetic injections relies on the administration of hyaluronidase which is capable to enzymatically degrade the injected product and to improve clinical symptoms. Two protocols are currently available to manage such complications: "ultrasound guided targeted" and "flooding".

Objectives: To compare the 2 protocols by means of amount of hyaluronidase volume utilized, and onset and degree of clinical improvement. Methods: A comparative case series of 39 patients was retrospectively evaluated which were initially treated with the "flooding" protocol and then treated with the "ultrasound guided targeted" due to no or little improvement.

Results: The "ultrasound-guided targeted" protocol utilized a total of 122.5 iu (34) whereas the "flooding" protocol utilized 1519.4 iu (1137) which represents a statistically significant reduced amount of injected hyaluronidase with p = 0.028. There was no clinical improvement in 92.3% and only little improvement in 7.7% of the treated patients following the first applied "flooding" protocol but there was a 100% immediate improvement when treated with the "ultrasound-guided targeted" protocol.

Conclusions: Despite its limitations in study design, this retrospectively evaluated case series revealed that the ultrasound guided targeted protocol utilized less hyaluronidase material and restored faster clinically visible symptoms.

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**KADOUCH Jonathan**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

### **TREATMENT OF INFLAMMATORY NODULES AFTER FILLER INJECTIONS**

The exact etiology of late inflammatory reactions (LIRs) to hyaluronic acid (HA) fillers is currently unknown. Some argue that these result from a hypersensitivity reaction, although evidence to support this is very scarce. Most reports on such reactions are not substantiated by positive skin tests. Bacterial contamination in situ has also been hypothesized to be causative for LIRs. How this relates to the immunological processes involved is unknown. This presentation will discuss the background and management of LIRs after filler injections.

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**KAJAIA Albina**

Friday, March 31, 2023 - from 11:00 to 12:00

**AURIC 4**

Session:

ESCAD Session - Tips and Tricks in Cosmetic Dermatology

### **WHAT IS NEW IN THREAD LIFTING?**

Introduction

In recent years, thread lifting methods are more frequently applied in practice of specialists in dermatology and aesthetic surgery. As of today, there are offered dozen and even hundreds of different threads and methods for face and body rejuvenation. Frequently, the companies not even trouble themselves to teach the doctors offering them to purchase the products- threads not even thinking about any possible consequences.

Materials and methods

Advices offered by author are based on thread lifting methods application by group of the doctors during 20 years. There were researched results of different methods procedures more than for 300 patients for evaluation of given techniques effectiveness. During many years the technique of thread placing subcutaneously has been modified for more safe and effective methods application.

Results

As a result of longstanding work the author succeeded to gather all the features and details of threads application for face and body rejuvenation, to differentiate and to structure thread lifting process and to offer to colleagues practical advices and techniques in order to achieve the best results with application of majority of threads presented in the market.

Discussion and conclusion.

Aim of presented work is to increase safety level of thread lifting application, to lighten doctors' work and to increase quality of derivable results as well.

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**KAJAIA Albina**

Saturday, April 01, 2023 - from 14:00 to 16:00

**SALLE DES PRINCES**

Session:

Threads: Focus on Eyebrows

### **FOXY EYES WITH THREAD METHODS**

Correction of the upper third of the face.

The most frequent request among patients is a desire to affect age-related changes in the upper third of the face. To the upper face's main changes, we can include such signs as the appearance of wrinkles in the forehead, the severity of glabellar wrinkles, sagging skin in the upper eyelid, and a change in the shape of the eyebrow. Modern trends for high-raised eyebrows or the so-called "foxy eyes" are of great importance in addition to age-related changes.

As practice shows, using only injection methods such as botulinum therapy or fillers is not enough to achieve the desired results.

Materials and methods

For the correction of horizontal forehead wrinkles, glabellar wrinkles, for changing the eyebrows' shape, P(LA/CL/HA) threads of various types were used (with barbs, springs or twisted). The number of threads was selected following the severity of the depth of wrinkles and ptosis.

The implantation technique was performed under local anaesthesia.

Results

Patients arrived 7-14 days after implantation with minimal oedema and practically no hematomas. The threads' final effect was observed from 30 days after implantation and lasted from 12-16 months.

#### Conclusion

The threads fill deep wrinkles, as well as move and fix soft tissues. Due to its composition P(LA/CL/HA), there is an additional collagen and elastin stimulation. Thanks to a modern guide cannula, the procedure occurs without damage to blood vessels and swelling of soft tissues. All of these factors have influenced the growth of manufacturers of suture methods for both patients and patients.

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### **KANARIS Nicole**

Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 4**

#### Session:

MY PATIENT HAS BDD, NOW WHAT?

#### **THIS PANEL DISCUSSION WILL REVIEW ILLUSTRATIVE CASES OF OUR OWN PATIENTS WITH BDD AND HOW DIFFERENT INDIVIDUALS MANAGE THEM**

Body dysmorphic disorder (BDD) is a disease spectrum which is commonly encountered in the cosmetic patient population. It affects between 4 - 33% of patients presenting for cosmetic procedures and is seen in every cosmetic practice. Often BDD isn't recognized until after we taken a patient into our practice and established a care relationship making management challenging. This panel discussion will review illustrative cases of our own patients with BDD and how different individuals manage them. Special consideration to discussing pearls and approaches to managing these difficult cases.

#### Panelists:

- Brittany Howard MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
- Lisa Grunebaum MD, Facial Plastic Surgery, Mayo Clinic Arizona, Scottsdale, AZ, USA
- J. Madison Clark MD, Facial Plastic Surgery, University of North Carolina, Chapel Hill, NC, USA
- Sabrina Fabi MD, Dermatologic Cosmetic Surgeon, Cosmetic Laser Dermatology, San Diego, CA, USA
- Nicole Kanaris MBBCh, Advanced Aesthetic Minimally Invasive Surgeon, Med Aesthetique, SA ALT Beauty, SA

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### **KANE Michael A. C.**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

#### Session:

FOCUS ON EYELID PTOSIS AFTER TOXIN TREATMENT

#### **PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

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### **KANE Michael A. C.**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

#### Session:

Periocular Rejuvenation

#### **NEXT-GENERATION PERIORBITAL REJUVENATION WITHOUT FILLERS OR SURGICAL PROCEDURES**

Periorbital rejuvenation was limited to surgical procedures for nearly a century. Then, chemical peels and lasers were added to our armamentarium. For the past twenty years adding volume for rejuvenation has helped to prevent hollowing of the orbit and helped to hide eye bags of peri-orbital fat. This non-surgical procedure has revolutionized our ability to treat the periorbital area without surgery. But there is a limit to what can be gained from volume addition alone. In the author's hands, the limitation of volume addition to the lower eyelid is the size of the visible periorbital fat. This is the cut-off point for this procedure. While procedures to add volume to the lower eyelid are well known, the upper eyelid is often ignored. In the author's experience, most all patients become candidates for volume addition to the upper eyelid during their lifetime. Many patients also develop visible fat bags which are typically treated surgically. A new injectable product, MesoEye, which decreases the appearance of periorbital fat without surgery will be discussed. The various ingredients of the product which help to reduce lipogenesis and adipogenesis will be discussed. The mechanism of action of the various ingredients will be discussed in detail including their complementary roles in reducing the appearance of periorbital fat without surgery.

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### **KANE Michael A. C.**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:  
Focus on Eyelid Ptosis After Toxin Treatment

### **THE TRUE CAUSE OF EYELID PTOSIS AFTER BONT-A INJECTIONS: EVERYTHING YOU HAVE BEEN TAUGHT IS WRONG AND THE POINTS ARE TOO HIGH!**

Eyelid ptosis after injection with Botulinum Toxin Type A has been a well-documented adverse event after cosmetic treatment with Botulinum Toxin Type A. At least 500 articles claim this AE happens due to seep or drift of the 150 kD working part of the formulation through the orbital septum and into the levator palpebrae muscle. The author has heard this stated from the podium many thousands of times.

What is the basis for this assertion?

Is there any proof?

Is injecting the glabella in a more cephalad direction safer or more dangerous?

Using reason, experience, and evidence the author will demonstrate that we should not routinely be making this assumption.

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**KERSCHER Martina**

Thursday, March 30, 2023 - from 09:30 to 11:25

**PRINCE PIERRE**

Session:  
Toxin Talk - Emerging Techniques, Technologies and Thinking

### **INTRADERMAL TOXIN - WHAT'S THE EVIDENCE?**

Intradermal injection of botulinum neurotoxin A (BoNTA) is an increasingly popular procedure in aesthetic dermatology to improve skin quality (e.g. enlarged facial pores, seborrhea, scars, skin tone, facial skin laxity, fine lines and wrinkles).

There is growing evidence that acetylcholine (ACh) plays a specific role in keratinocyte adhesion, migration, differentiation, and apoptosis. It activates the adhesion and proliferation of keratinocytes by reacting with cholinergic receptors. Therefore BoNTA may reduce sebum production by interfering with cholinergic transmission between sebaceous gland (SG) and autonomic nerve terminals. BoNTA can also prevent the release of substance P both in vivo and in vitro, and lower the intradermal arachidonic acid level, so its anti-inflammatory properties may help resolve inflammation in acne as well as in sensitive skin or facial flushing and persistent erythema. In addition, BoNTA can inhibit mast cell activity by affecting SNARE proteins, including SNAP-25, VAMP and TRPV1, a regulator of human sebocyte activities and of importance in sensitive skin. The effect of BoNTA on the sympathetic pathway, especially its inhibitory effect on the secretion of catecholamines to which human SGs respond, requires further investigation. It has also been demonstrated that intradermal injection of BoNTA targets the superficial fibers of the facial muscles, and weakens their insertion into the undersurface of the facial skin, which is responsible for fine lines and wrinkles.

However, as doses are increasing with these emerging indications and as the injection depth of BoNTA is not intramuscular but intradermal, the at least theoretical risk for immunological reactions to BoNTA might be increased as compared to an intramuscular injection thus causing possible antibodies associated with a treatment failure.

In summary, these new and promising data there is emerging evidence that - beyond intramuscular application - intradermal application of BoNTA has proven positive effects on skin quality.

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**KERSCHER Martina**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:  
Skin Quality Improvement

### **SKIN QUALITY & INTRODUCTION AND DEFINITION**

Skin quality plays an important role for perception of overall attractiveness, health and youth. As stated in a recently published consensus, a good skin quality is defined as healthy, youthful in appearance and undamaged skin. Moreover, skin quality can be further described by the following four emergent perceptual categories (EPCs) skin firmness, skin surface evenness, skin tone evenness and skin glow. Treatment options are broad and should be chosen after an individual assessment primarily focussing on the most relevant EPCs.

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**KESTEMONT Philippe**

Saturday, April 01, 2023 - from 16:30 to 18:00

**BOSIO**

Session:  
Minimally Invasive Surgery: Face - Part 3

### **LIP LIFT AND EYEBROW LIFT**

Upper blepharoplasty is an operation that can be executed under local anaesthesia in the office provided that specific evaluation of patients and surgical steps are followed

The author presents a classification of the ageing symptoms of the upper eyelids and the relevant treatment procedures



according to different manifestations due to ageing

Tips and tricks are presented in order to achieve high standard outcomes and provide patient's safety during this very beneficial operation

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**KINNEY Brian**

Saturday, April 01, 2023 - from 16:30 to 18:00

**NIJINSKI**

Session:

Radiofrequency

### **SYNCHRONIZED RF WITH HIFES PROCEDURE REJUVENATE FACIAL LAYERS IN SYNERGY: A DETAILED ANALYSIS OF THE TECHNOLOGY**

Background:

The application of radiofrequency(RF) and High Intensity Focused Electromagnetic (HIFEM) technologies on the body provides improvement in skeletal muscle tissue, reduction of fatty tissue, reorganization of connective tissue, and skin texture improvement. However, overall facial appearance relies on both skin and underlying structures, specifically muscles and connective tissue fascia, which have to be treated as one unit to achieve proper care while preserving fatty layers that define youth and male and female appearance.

Objectives:

The aim of this study is to find whether the effect of novel RF+High Intensity Focused Electrical Stimulation (HIFES) therapy is safe and can induce the lifting of soft tissue and overall improvement in facial appearance.

Methods:

In this multicenter study, 21 subjects were enrolled (27-60 years, 45.17±11.20 years old). The HIFES and RF energies were administered in four 20-minute treatments spaced one week apart on the forehead and both cheeks. Photographs were evaluated by a Global Aesthetic Improvement Score (GAIS) score and linear measurements of facial tissue lifting at 1- and 3-month follow-ups. Volumetric changes in the cheek area were investigated as well. The patients' satisfaction, safety, and comfort were documented throughout the study.

Results:

The data indicated a noticeable improvement in overall facial appearance, and 23% of average lifting was found in brows ( $p=3.14 \times 10^{-12}$ ) and cheeks ( $p=6.00 \times 10^{-15}$ ). The assessment of digital photographs by GAIS detected an improvement in 100% of patients at 3-month follow-up. A 98% subject satisfaction with the results was documented. The treatments were safe and accompanied by high therapy comfort.

Conclusion:

Based on the data from various means of evaluation, the treatment by simultaneous emission of RF and HIFES technology produces significant changes to the overall facial appearance, characterized by the lifting of facial tissues.

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**KLEINE GUNK Bernd**

Friday, March 31, 2023 - from 09:30 to 10:30

**AURIC 5**

Session:

Epigenetics Telomeres

### **THE SECOND CODE - HOW EPIGENETICS IS REVOLUTIONIZING ANTI-AGING MEDICINE**

Within the hallmarks of aging epigenetic changes are now playing a key role. Epigenetic regulation is obviously becoming more and more unprecise while we age.

This can on the one hand be used as a diagnostic marker. Steve Horvath's "epigenetic clock" has become the new gold standard in the determination of biological aging.

In the field of therapeutics the first studies on "epigenetic reprogramming" have been successful in animal models.

This opens a new era in Anti-Aging therapies - leading the way from preventative to regenerative medicine.

Prof. Dr. med. Bernd Kleine-Gunk

President of the German Anti-Aging Society (GSAAM)

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**KONTOES Paraskevas**

Saturday, April 01, 2023 - from 12:00 to 13:00

**BOSIO**

Session:

Minimally Invasive Surgery: Face - Part 1

### **ASSESSMENT OF AGING SYMPTOMS AND STRATEGY FOR TREATMENT IN UPPER BLEPHAROPLASTY**

Upper Blepharoplasty is a rewarding operation provided is being executed Lege Artis.

In this presentation the assessment of the ageing symptoms of the upper eyelids depending on the anatomical changes of the surrounding tissues by ageing are classified in different categories and the relevant treatment of each class is presented.

Tips and tricks of the technique will be discussed for achieving high standard results and securing the safety of the patients

who will decide to undertake this operation under local anaesthesia in the office

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## **KREYDEN Oliver Philip**

Thursday, March 30, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:

Combining Peeling with Injectables, EBD and Other Modalities for Optimal Results

### **PHOTO PEEL**

Photo- Peel - Combination of Two Excellent Tools

Objectives

You learn a new method in combining non ablative IPL treatment in the same session with superficial TCA Peeling in order to enhance the effect with limitation of side effects.

Introduction

EBD like ablative and non-ablative lasers are widely accepted tools for skin quality improvement. Superficial peelings, a little bit forgotten in the last years, however have their place in structural skin treatment. On the other side both lasers and superficial peelings have their limits in effect or are connected with sometime dramatic side effects depending on the strength of the therapy.

Materials / method

Lasers and superficial peelings often lead to unpleasant downtime when using for superficial skin rejuvenation. However sometimes the effect weeks after treatment could be better, why the treatment has to be repeated with the burden of accepting the downtime again

Results

Photo-Peel, a combination of IPL treatment followed by superficial TCA peeling in the same session shows significantly better results without increasing the downtime as both IPL and Peeling can be performed in low dosage (IPL) and low concentration (TCA) respectively.

Conclusion

Photo-Peel is a new technique with better effect due to the synergistic effect of the combination of two mostly effective treatment modalities

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## **LEIBASCHOFF Gustavo**

Thursday, March 30, 2023 - from 14:00 to 16:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part III

### **SURGICAL LABIAPLASTY IS SAFE FROM THE FUNCTIONAL AND SEXOLOGICAL POINT OF VIEW**

An aesthetic medical act, within the framework of ethics, is good if it improves the patient's quality of life."

I said that the FGAS (female genital aesthetic surgery) does not respect these principles because there is a lack of professionalism in those who practice it for significant economic interests, abuses of advertising, and sowing false patient expectations.

Following the words of Michael Goodman, MD, "The basic thing is to understand the patient's request and know the female sexuality and not only the techniques and procedures."

And don't forget that Sexuality "It is an integral part of human expressions regardless of age."

Remember the FSD Female sexual dysfunction. It is broadly defined as how a woman cannot engage in a sexual relationship as she wishes.

In addition, the lack of diagnosis of a dysmorphic disorder of the body and its contraindication for cosmetic medical procedures lead me to the recommendation that it is essential to inform doctors that they must work on the diagnosis and proper treatment of dysmorphic disorder of the body, in a multidisciplinary context.

We know the relationship between women's genital self-image and female sexual function.

In different studies, we saw women after FGAS who scored highest on the Genital Self-Image Scale reported increased levels of sexual function in all areas, more sexual energy, and an easier time achieving orgasm.

The philosophy of aesthetic and functional gynecology that is applied to female aesthetic genital surgery forces us to help the functional, anatomical, aesthetic, and sexological recovery of patients.

One of the female aesthetic genital surgeries that have grown in the last 15 years is Labiaplasty and clitoroplasty.

Some many scientific studies and books tell us about the improvement of the quality of life of patients after undergoing those surgeries, following a correct diagnosis, and performed by well-trained gynecological surgeons.

Training becomes difficult because doctors usually attend face-to-face courses where they only observe from afar the procedure. Even though it is a simple procedure, minor missteps generate consequences in aesthetic, functional, or sexological areas.

Remember, only one surgeon enters between two legs, and attendees look from behind, from different angles, and often do not pay due attention.

It is my opinion that this situation can be solved and be able to help gynecological surgeons to be able to perform this type of

procedure following the following steps.

One direct observation of surgery

2 Observation and commentary of videos of surgeries from other colleagues

3 Knowledge of the anatomy of the female genitalia

Four performances and repetition of the procedures observed in the Surgical Simulator of Gynecology Labioplasty +

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## **LEMAITRE Jean Marc**

**AURIC 5**

Thursday, March 30, 2023 - from 17:30 to 18:30

Session:

Innovative Points of View in Anti-Aging

### **INNOVATIONS IN ANTI-AGING MEDICINE**

Aging is characterized by a progressive loss of physiological integrity and function over time, as the highest risk factor for the incidence of age-related diseases. It results from several interconnected molecular processes that decline with advancing age and that are commonly called "Cellular Aging Hallmarks"<sup>1</sup>: genomic instability, epigenetic alterations, telomere attrition, loss of proteostasis, deregulated nutrient sensing, mitochondrial dysfunction, cellular senescence, stem cell exhaustion, and altered intercellular communication.

Mainstream approaches that are currently used as anti-aging therapies primarily explore the senescence and epigenetic drift aging hallmarks, by senotherapies and epigenetic cell reprogramming.

We demonstrated previously, that specific improvement of cell reprogramming through the pluripotent state, was able to rejuvenate aging and senescent cells, as a paradigm shift for cellular aging reversibility<sup>2</sup>. Today, we show that a single short and transient reprogramming induction applied in vivo, is sufficient to improve body composition and functional capacities of mice, over the entire lifespan, when applied in early life. Treated mice have improved tissue structures in bone, lung, spleen, kidney and skin, with an increased lifespan of 15%, associated to differential DNA methylation signatures. Our results indicate that a single short reprogramming early in life might initiate and propagate an epigenetically related rejuvenated cell physiology, to promote a healthy lifespan<sup>3</sup>.

This new transient reprogramming strategy is a pertinent approach to explore and to deconstruct potential rejuvenation mechanisms and its application to prevent age-related pathologies and to promote healthy aging in humans <sup>4</sup>.

1. Lopez-Otin et al., Cell 2013,2022

2. Lapasset et al., Genes & Development 2011

3. Alle et al., Aging Cell 2022

4. Milhavel and Lemaitre Aging 2023

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## **LERHE Barbara**

**BOSIO**

Thursday, March 30, 2023 - from 09:30 to 11:45

Session:

Aesthetic Patient Consultation

### **THE FRENCH TOUCH: ARE WE REALLY THE REFERENCE IN THE PERCEPTION OF BEAUTY?**

Modestly, the French like to say that they have the art of natural and subtle elegance.

They prefer to highlight their "chic" and charisma.

More than a style of dress or make-up, French chic is also an attitude, an ability to take care of yourself without showing it.

French doctors and aesthetic surgeons are secrets to most patients, who sometimes do not disclose the name of their beauty partner. Patients' phrases at the practice used to be "I don't want it to be noticeable, Doctor!".

Nowadays, personal branding leads each individual, potential French patient, to affirm his or her self-image and individual beauty, particularly on social networks.

Modern beauty standards have changed and are sometimes different from natural, but are attractive for their trendiness.

The economic changes in France give rise to escape from the heaviness of everyday life by diverting one's budget towards well-being, sometimes to the detriment of more essential sectors.

It is for all these reasons that the French are more interested in seeing the aesthetic results of their initiatives.

They have desires in the air of time and sometimes very different from the traditional French Touch of the practitioner. The doctor must ensure the safety of the patient, and have the right indications for treatment. But he must avoid giving his personal opinion and impose his tastes. Dismissing a patient for a request considered eccentric and ostentatious in France, by pronouncing an excessive naturalness, is a risk of leaving him in the hands of fake injectors or facing risky practices.

The French touch is being lost on the French, but Emily in Paris and her friends have adopted it!

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**LERHE Barbara**

Thursday, March 30, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

**AESTHETIC DISRUPTORS: Young-Career Innovators from Around the World**

**IS BEAUTY IN THE EYES OF THE DOCTOR OR INFLUENCED BY NEW TRENDS?**

Is Beauty in the eyes of the doctor or influenced by new trends

"Mirror, Mirror on the wall: who is the fairest of them all?" gladly gives way to  
"Cellphone, Cellphone in selfie: who is the most fashionable of them all?"  
Aesthetic doctors and surgeons in 2023: are we judges of beauty?. That is the new challenge.

Enigmatic and mysterious, beauty is an impenetrable secret. It is nevertheless codified by culture, time, social status, etc. and lately by hyperconnectivity. Personal branding leads each individual, potential patient, to affirm his or her self-image and individual beauty, particularly on social networks.

To reach this aim, people are increasingly turning to medicine and cosmetic surgery. They have desires in the air of time and sometimes very different from the appreciation of the beauty of the practitioner. The doctor must ensure the safety of the patient, and have the right indications for treatment. But he must avoid giving his personal opinion. Dismissing a patient for a difference of taste, by pronouncing an excessive naturalness, is a risk of leaving him in the hands of fake injectors or facing risky practices.

Being natural may be less fashionable.

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**LETNIKOVS Aleks**

Saturday, April 01, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

**New Gut Concept**

**ANTI-AGING PRODUCTS, MECHANISMS OF THEIR INFLUENCE ON LONGEVITY AND PREVENTION OF AGE-RELATED CONDITIONS**

Aging is an important risk factor of many chronic diseases. Dietary supplements as part of anti-aging therapy have been controversial, but the evidence suggests they play a significant role in prevention, treatment, and the protection from accelerated aging. Vit. C, E and D, Q10, NAC, Cr, L-carnitine, resveratrol, metformin etc., have benefits in diabetes, cardiovascular disease, hypertension, congestive heart failure, age-related deterioration of brain function and vision, immune function etc. Many studies reported that some nutraceuticals and medical drugs possessed various bioactivities, such as antioxidant, anti-inflammatory, anti-glycation, cardiovascular protection, anticancer, antidiabetic, anti-obesity, neuroprotection, improving mitochondrial function, regulating apoptosis, calorie restriction, inhibition of growth hormone/insulin-like growth factor-1 axis, inhibition of mammalian target of rapamycin, activation of the citrulline pathway, etc. HRT has also been widely used to improve their quality of life. Manipulating healthy gut microbiota through prebiotic/probiotics or fecal microbiota transplantation has significant potential in anti-aging medicine. But what is most important for anti-aging support is a combination of careful attention to individual and family medical history, personal genomic data, medical checkup tailored protocols, adequate physical activities, appropriate dietary choice and supportive anti-aging supplement protocols.

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**LEVIN Melissa K.**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

**NAVIGATING THE LANDSCAPE OF SELFIES, SOCIAL MEDIA, AND REALISTIC EXPECTATIONS AMONG AESTHETIC PATIENTS**

**SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to

manage patients in the ever-changing world of digital media.

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**LEVIN Melissa K.**

Friday, March 31, 2023 - from 15:00 to 16:00

**AURIC 4**

Session:

Battling with Melasma: Lesson learned from ICAD Thailand

**PEARLS FOR ENHANCING ENERGY-BASED TREATMENTS WITH COSMECEUTICALS FOR MELASMA IN ASIAN SKIN**

Review of clinical pearls for utilization of energy-based treatments with laser-assisted drug delivery, duration of treatment regimen, evidence-based peri-procedural cosmeceutical skincare, and adjuvant skincare routine to optimize outcomes for treatment of melasma in Asian skin.

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**LEWIS Wendy**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

Navigating the Landscape of Selfies, Social Media, and Realistic Expectations Among Aesthetic Patients

**SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to manage patients in the ever-changing world of digital media.

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**LEWY Hadas**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

Virtual Humans and AI - The Future of in silico Biomedicine

**AI AND AGEING**

As demographics changes and the population is ageing future represent medicine is moving towards the P4 medicine: Predictive, Preventive Proactive and Personalized. The main challenge in treatment of large populations is providing personalized care with proactive preventive care, early detection, timely intervention and disease management that will improve care and QoL. For example, only 8% of the CKD patients will deteriorate to RRT within 5 years however, all CKD populations receive the same treatment. Focusing on the individuals that are at risk for deterioration and provide a personalized care is enabled by AI - data driven care. In the last 10 years HMOs used their unique asset of data by developing and implementing intelligent tools for identification of patients at risk, prediction of patients' deterioration and alert for early intervention. Advanced analytical tools for management and treatment using Electronic Health Records (EHR) data already shows success and help physicians provide better care, identifying and treat patients for chronic disease and provide preventive care. The present challenge is to include genetic, behavior and Patient Generated Data ( PGD) data in the AI based predictive models to develop the next generation of Decision Support Systems ( DSS) that will provide understanding and most importantly a tool for personalized care in prevention, timely intervention and disease management. The presentation will discussed the present AI based tools, the future developments and possible impact on the ageing populations

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**LIM Ting Song**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:  
Skin Quality Improvement

### **SKIN QUALITY IN ASIAN SKIN: TOP 3 TREATMENT OPTIONS**

Skin quality manifests the overall health of a person. As skin is the biggest organ in our body, skin quality significantly influences perception of age, attractiveness, health and youth. Skin quality improvement is one of the biggest requests in Asia, as many patients visit aesthetic practitioners to seek for skin quality improvements. With the advent of new technologies in injectables and energy based devices, we can tackle the 4 quadrants of skin quality more effectively.

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**LIPP Stefan**

Thursday, March 30, 2023 - from 09:30 to 10:45

**CAMILLE BLANC**

Session:  
Evolution of Dermal Fillers

### **LOW MOLECULAR WEIGHT AND HIGH MOLECULAR WEIGHT HYALURON, UPDATE OF CURRENT FINDINGS AND OPTIMAL TECHNIQUE FOR UP TO DATE THERAPY**

Introduction  
Hyaluronic acid has been used for aesthetic treatments since 1980.

Materials & Methods  
The differences in the molecular weights will be discussed. Nowadays there are fillers with 3 different weights. We will also look at a series of nano patches from a 3d printer containing HA with 77 kD.

Results  
The Serum and the patches showed a significant uprise in collagen 1 syntheses, inhibited the action of hyaluronidase, and elastin synthesis was significantly developed.

Conclusion  
HA nano patches and the serum with 77 kD are being seen as usefull tool in skin care and epidermal approach.

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**LIPP Stefan**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:  
Periocular Rejuvenation

### **THE USE OF FRACTIONAL PLASMA FOR PERIORBITAL REJUVENATION AND ASSOCIATED COMBINED THERAPY**

We will explain the science behind the Plasma and the different Plasma in dermatological use

We will show Videos and before and after Fotos.

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**LIPP Stefan**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:  
Skin Quality Improvement

### **INFLUENCE OF EPIGENETICS ON SKIN QUALITY**

OVERVIEW  
Epigenetic: the discipline of biology which studies the molecular mechanisms which modulate the expression of the genetic heritage according to the context.

MATERIALS AND METHODES  
Constitutive expression : Part of genes always expressed by cells  
Induced expression : Part of genes only expressed with the perception of one or several signals  
With a partner laboratory in Texas we developed a genetic test using saliva to identify the genoma involved in skin aging.

PROCEDURE  
The Gene Expression Laboratory of the Salk Institute for Biological Studies in San Diego made a major discovery in 2017 in

the area of cellular reprogramming, which not only blocks senescence but rejuvenates cells and reverses DNA damage.

#### RESULTS

Researchers in San Diego were able to correct epigenetic alteration, improve wound healing and increase lifespan of progeria mice by 30 %.

#### CONCLUSION

We were able to identify certain genes involved in skin aging. With certain active ingredients we saw the following results.

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### **LLANO Francisco**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

**REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS**

#### **PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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### **LLANO Francisco**

Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

**X-Ray of the Latino Stereotype and Its Treatment (Session AMWC LATAM)**

#### **LATIN HABITS**

In Latin America, the functional aesthetic medicine emphasizes treating the whole person. Instead of looking at a healing just the symptom, an integrative and functional approach will look for the root cause. After taking a careful and detailed history, we create a personalized wellness plan that fits well with the lifestyle of our patients. Treatment plans for skin conditions typically blend addressing gut health, environment, UV damage, mold exposure, toxins and heavy metals, and supporting detox pathways, and healthy lifestyle choices.

Individualized skin care wellness plans could include:

- \* Clinical nutrition and dietary shifts incorporating anti-inflammatory foods
- \* Clean beauty products and proper sun protection
- \* Incorporating herbal products
- \* Nutritional supplements and probiotics
- \* Personalized lab testing
- \* Restorative and regenerative sleep
- \* Stress management strategies such as meditation and mindfulness
- \* Encouraging supportive relationships

Beauty, Youth and health are a universal value

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### **LOPEZ TALLAJ Luis**

Saturday, April 01, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:

**New Propositions in AAM**

#### **BICHECTOMY REVISITED: SURGICAL VS. CHEMICAL**

DA most common indication is to treating convexity or moderate to severe fullness associated with submentonian fat, when the presence of it has a psychological impact on the patient, with reductions reported in more than 90% of cases with less than four sessions and with minimal side effects, most of which are manageable, generally of the kind of headache, nausea, skin strain; pain, edema, swelling, anesthesia, nodule, hematoma, paresthesia and induration at the injection site. Much less often bleeding, discoloration and nerve injury occur at the injection site. Safety margins are ensured whenever the doses indicated in the appropriate locations (middle area of preplatismal subcutaneous adipose tissue in the submentonian region) are administered by appropriately trained personnel, taking precautions in patients with excessive skin laxity, prominent

platismal bands or other conditions in which a reduction in submentonian fat may produce undesired results. It should only be used for one injection session per patient and excess unused product should be removed in the proper way. In or near vulnerable areas, like the jaw marginal branch of the facial nerve should not be injected to avoid possible motor neuropraxia. Avoid injection into salivary glands, thyroid glands, lymph nodes and muscles. The presence of disease or pre-existing treatments in or near the area to be treated, as well as other possible causes of convexity or submentonian fullness (thyromegaly and cervical lymphadenopathy), will be carefully examined. Conclusion: DA is an excellent treatment option for small clusters of localized fat, with proven efficacy in chemical buccal fat pad extraction, in the reduction of the jowl, and fat form axilla, the mount of Venus and the inner face of the knees. It will never be a substitute for liposuction for the elimination of bulky fat clusters in large anatomical regions.

Recent Publications (minimum 5)

1. Deeks, E. (2016). Deoxycholic Acid: A Review in Submental Fat Contouring. American Journal Of Clinical Dermatology, 17(6), 701-707. doi: 10.1007/s40257-016-0231-3
2. Heilig M, Egli M (2006) Pharmacological treatment of alcohol dependence: Target symptoms and target mechanisms. Pharmacology and therapeutics 111:855-876.
3. TINT, G. (2019). Ursodeoxycholic Acid: A Safe and Effective Agent for Dissolving Cholesterol Gallstones. Retrieved 4 September 2019, from <https://pubchem.ncbi.nlm.nih.gov/compound/Deoxycholic-acid>
4. Rotunda, A., Suzuki, H., Moy, R., & Kolodney, M. (2004). Detergent Effects of Sodium Deoxycholate Are a Major Feature of an Injectable Phosphatidylcholine Formulation Used for Localized Fat Dissolution. Dermatologic Surgery, 30(7), 1001-1008. doi: 10.1111/j.1524-4725.2004.30305.x
5. Mroz, M., Lajczak, N., Goggins, B., Keely, S., & Keely, S. (2018). The bile acids, deoxycholic acid and ursodeoxycholic acid, regulate colonic epithelial wound healing. American Journal Of Physiology-Gastrointestinal And Liver Physiology, 314(3), G378-G387. doi: 10.1152/ajpgi.00435.2016
6. NIH. Deoxycholic acid - DrugBank. Retrieved 4 September 2019, from <http://www.drugbank.ca/drugs/DB03619>
7. The Metabolomics Innovation Centre (. (2019). Human Metabolome Database: Showing metabocard for Deoxycholic acid (HMDB0000626). Retrieved 5 September 2019, from <http://www.hmdb.ca/metabolites/HMDB0000626>
8. Duncan, D., & Rotunda, A. (2011). Injectable Therapies for Localized Fat Loss: State of the Art. Clinics In Plastic Surgery, 38(3), 489-501. doi: 10.1016/j.cps.2011.02.005
9. Tausend, W. (2017). Social perceptions before and after treatment with ATX-101 (deoxycholic acid injection) for reduction of submental fat. Journal Of The American Academy Of Dermatology, 76(6), AB239. doi: 10.1016/j.jaad.2017.04.926
10. Shome, D., Khare, S., & Kapoor, R. (2019). The Use of Deoxycholic Acid for the Clinical Reduction of Excess Submental Fat in Indian Patients. J Drugs Dermatol, 18(3), 266-272. Acceso de <https://jddonline.com/articles/dermatology/S1545961619P0266X/>

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## **MAGON Navneet**

Thursday, March 30, 2023 - from 09:30 to 11:40

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part I

### **VAGINAL EMS IN FUSION WITH VAGINAL RF**

Vaginal EMS in fusion with Vaginal RF can be a promising new technology to help in Vaginal Rejuvenation & PFR together at one platform. RF is a established safe energy source & so is EMS, and a fusion on one platform gives ease of operations for the provider and the patient.

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## **MAGON Navneet**

Thursday, March 30, 2023 - from 14:00 to 16:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part III

### **VAGINAL MNRF (MICRONEEDLING RF)**

After Lasers & RF, MNRF in Vagina is a new modality which promises to help in Incontinence as well as tightening & rejuvenation. Awakening the hopes of Cosmetic Gynaecologists, it is for the first time that MNRF in vagina has been introduced at AMWC.

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## **MANDAVIA Rishi**

Thursday, March 30, 2023 - from 11:00 to 11:55

**GENEVOIX**

Session:

A 360&DEG; PLAN FOR TREATING ACTIVE ACNE POST-ACNE SKIN: DR MICHAEL H GOLD (US) DR RISHI MANDAVIA (LONDON)



## **USING 1726 NM FOR MILD-SEVERE ACNE - MY EARLY FINDINGS AND CLINICAL PEARLS WITH NEW AVICLEAR**

Acne is one of the most common therapeutic problems that we face as dermatologists on a daily basis in our clinics. Medical therapy has always been the gold standard for our treatments. Over the past several years, new and exciting laser therapy has entered into our therapeutic armamentarium and this has been a welcome addition for many of our patients.

Objectives: To review the clinical trial program for the new 1726 nm laser for acne and my early clinical experience.

Methods: This presentation will review the FDA clinical trial program as well as the real world experience from my dermatology clinic.

Results and Conclusions: The new 1726 nm laser has shown statistically significant clearance rates after three treatments and patients continued their improvements for time-periods of 3 months, 6 months, and 12 months following their final treatment. In addition to inflammatory lesion count reduction, significant nodule lesion reduction was also seen. The treatments were well tolerated with minimal to no adverse events. These will all be reviewed. The new 1726 nm laser for acne has been well accepted by clinicians and patients looking for long-term acne clearance.

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## **MANDREKAS Apostolos**

Saturday, April 01, 2023 - from 14:00 to 15:00

**BOSIO**

Session:

Minimally Invasive Surgery: Face - Part 2

## **PHENOL AND CROTON OIL PEELS FOR FACIAL REJUVENATION - EXOPEEL**

PHENOL/CROTON OIL PEEL FOR FACIAL REJUVENATION

### **ABSTRACT**

Phenol/Croton Oil peel has been applied in deep resurfacing for decades, but in spite of its recent use, hasn't appreciated as it should in Plastic Surgery. It promotes cellular renovation, smoothing the wrinkles and providing a younger appearance.

The aim of the study was to assess the effectiveness of the Phenol/Croton oil peel at the treatment of facial wrinkles.

Despite its effectiveness, sustained erythema was the most frequent complication especially in patients with dark skin.

Phenol/Croton oil peel diminishes the wrinkles. However, its use should be cautious accompanied with close follow-up, due to its possible side effects.

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## **MANSOOR Mohammed**

Thursday, March 30, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Advanced Information for Practice

## **A FUNCTIONAL GENOMICS REVIEW ON SEX STEROIDOGENESIS**

Hormones are signalling or messenger molecules that alter cellular behavior and guide cellular adaptations required for changing environments, growth, development and healthy aging. But how do hormones accomplish their job? Hormones ultimately influence cellular behavior by transiently altering gene expression. Hormones are one of the greatest epigenetic influences on a cell. Said simply, hormones are the great conductors of the genomic orchestra. One of the best examples of how hormones alter cellular behavior can be witnessed through the production, function and metabolism of the sex hormones in humans - a process known as sex steroidogenesis. Sex steroidogenesis is in turn influenced by unique/individual genomic variations. So remarkably, we each have genomic variations that, in turn, impact how our genes are expressed, and how efficiently our cells adapt to changing environments, and to development, maturation and aging. This talk will explore how an understanding of the genomics of sex steroidogenesis can profoundly influence our ability to predict cellular behavior and the trajectory of individual development, maturation and aging.

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## **MANTZOURANI Theodora**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

Virtual Humans and AI - The Future of in silico Biomedicine

## **VIRTUAL HUMANS - WHY WE NEED THEM?**

The virtual human: digital avatars that are advancing healthcare and preventative & anti-ageing precision medicine.

Human bodies are incredibly complex and unique machines. There is no single medication, clinical device, lifestyle, diet or nutritional supplement that will work equally well for everybody. For now, using powerful computing, it's becoming possible to simulate the exact workings of an individual's biology, from the way their heart beats down to each letter of their DNA code to guide the Precision Medicine of the future.

virtual humans will help doctors to plan procedures such as surgery, in order to test different approaches and select the most

successful in a digital environment.

With a patient's very own avatar moving exactly as the patient does, clinicians will be able to calculate the forces and mechanical stresses placed on their bones in order to predict the risk of fracture.

In a supercomputer, many virtual versions of an individual can exist simultaneously so that doctors can model the impacts of small changes in lifestyles, nutritional plans, medications, supplements and several therapies on health, ageing and quality of life, and to predict individual risks.

Virtual humans can be made to age so that doctors can delve into the ageing process and identify ageing mechanisms/traits so that we design personalized anti-ageing treatments that can be applied as early as possible to the point that ageing can be prevented all together.

In this way, virtual humans will not only assist medical staff to prescribe the best, least-invasive treatments, they will also help clinicians and scientists to predict, pre-empt and prevent illness and ageing from even occurring.

In this session, the speakers will talk about the virtual human project: how much we have advanced and what we have achieved so far and what we are aiming at with the help of supercomputers.

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## **MARINI Leonardo**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 4**

Session:

**ESLD SESSION: LASER UPDATES - PANEL DISCUSSION**

### **LASER UPDATES**

There are many challenging situations in the field of laser applications in Dermatology which sometimes makes even the most experienced practitioners think twice before using the lasers.

Some of those situations will be discussed during a panel discussion with few of the top laser experts in the world. A session not to be missed in collaboration with the European Society for Lasers and energy based Devices "ESLD"

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## **MARTIN John**

Thursday, March 30, 2023 - from 09:30 to 10:45

**CAMILLE BLANC**

Session:

**Evolution of Dermal Fillers**

### **ILLEGAL FILLERS**

As people become more aware of dermal fillers, there has been a corresponding increase in the use of inexpensive illegal fillers. These are being injected into the face and body, and the patient may initially be asymptomatic. With time they often will result in major cosmetic deformities which are very difficult to improve. And some patients may have severe immediate reactions to these products, at times resulting in death. Some of the possible complications from illegal fillers will be shown, and treatment options which may improve the appearance.

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## **MARTIN John**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:

**Periocular Rejuvenation**

### **PERIORBITAL LASER**

There are many energy devices which can help to improve the skin texture in the periorbital area. These will be discussed along with possible complications.

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## **MARTIN John**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

**Aesthetic Complications**

### **NEUROTOXIN COMPLICATIONS**

With more toxin injections being performed each year, we are seeing an increase in the number and variety of complications. These will be discussed, including recommendations on how to avoid and how to help fix these complications.

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**MARTIN John**

Friday, March 31, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:

Tear Trough Correction

**TEAR TROUGH FILLERS: WHAT WORKS AND WHAT TO AVOID**

There are many fillers which have been used in the lower eyelid and tear trough. While some may produce excellent results, others are not optimal for a variety of reasons. The best fillers for lower lid will be discussed, and the complications that may be seen with others and which to avoid in the lower eyelid.

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**MARTIN John**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:

Focus on Eyelid Ptosis After Toxin Treatment

**PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

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**MARTIN Elena**

Saturday, April 01, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:

The Most Effective Use of Combination Therapies

**LOWER LID REJUVENATION COMBINING ENERGY BASED DEVICES AND LIPOFILLING**

Goals/Purpose

Periorbital ageing process is due to photoaging and early volume loss. Sensitive anatomical region and particular physiology with risk of water retention limits the treatment options. Combining regenerative properties and volume restoration of fat transfer, collagen production of fractionated radiofrequency and skin resurfacing with CO2 laser target all causes of periorbital ageing.

Methods/Technique

A cohort of 53 patients with a median age of 45,2 years were treated in a private practice accredited facility from January to December 2021. Treatment protocol included only one surgery performed under local anesthesia including the following: fractionated radiofrequency, lipofilling and laser resurfacing. Fat transfer included mili and nanofat with fat harvested from inner thigh or lower abdomen with Coleman canula. CO2 Laser was performed as a resurfacing procedure depending on skin conditions. Fractionated radiofrequency was done to promote subcutaneous fat remodeling. For the patients with previous hyaluronic acid injection hyaluronidase was injected and ultrasound control was performed.

Results/Complications

All the patients reported the surgery as completely painless except the local anesthesia and as a good experience they would repeat it if needed. The overall complication rate was 3%. Three patients had prolonged edema for 3 months after the surgery and 2 patients reported small micronodules on palpating the lower orbital margin without aesthetic concern. No complications related to fat donor site.

Conclusions

Combing fractionated radiofrequency and laser resurfacing together with lipofilling for selected cases scarless surgery with minimal downtime may be achieved. With technical refinements and tissue stimulation with energy based devices a natural look is created with high grade of satisfaction among patients.

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**MCGINNISS Vincent**

Saturday, April 01, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:  
The Most Effective Use of Combination Therapies

**NO TEAR TROUGH LEFT TO CRY: MY FAVORITE TREATMENT COMBINATIONS AND TECHNIQUES WHEN TREATING THE TEAR TROUGH**

Here I present the journey of my growth in understanding the tear trough from both a surgical and non-surgical perspective. With this anatomical foundation, I will share my personal favorite treatment combinations when addressing the tear trough.

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**MENKES Sophie**  
Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:  
REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS

**PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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**MENKES Sophie**  
Thursday, March 30, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:  
Regenerative Medicine Course Session 1: Regenerative Aesthetics - Claims, Evidence and Reasoning

**PRP AND AUTOLOGOUS STEM CELL THERAPIES FOR ALOPECIA: EVIDENCE-BASED ANALYSIS AND CONSENSUS GUIDELINES**

Introduction:

We aimed to assess whether PRP and Autologous Stem Cell Therapies procedure improves hair quality, new hair growth, thickening of pre-existing hair shafts, proliferation of dermal papilla cells, faster transition from telogen to anagen and reduction in the cycle of hair formation

Methods:

120 patients with a clinical diagnosis of AGA, stage I to III according to Hamilton Norwood classification for male patient, stage I to II Ludwig classification for female patients, were included. 35 patients to be treated with nanofat grafting, 40 patients with Rigenera, 45 with PRP.

The evaluation criteria were assessed by global photography and TrichoLab analysis. Safety and outcomes were evaluated during the course of all protocol.

Objectives:

The objectives were to assess the efficacy of these three treatments on the evolution of AGA between 3, 6, 9 months treatment and baseline, to compare the evolution of AGA between the three treatments, to evaluate if these treatments could be a new therapeutic option for patients with AGA, to observe the overall tolerance.

Results:

Numerous articles on different PRP preparation procedures and stem cell use have been published, but the results are often mixed.

Studies show that different PRP preparation systems can produce different results in terms of regrowth.

The in vivo results of activated and nonactivated PRP injection in patients with AGA can be considered similar to those of human follicular mesenchymal stem cell injection.

It can be expected that papillary dermal cell-derived exosomes may also modulate the hair follicle cycle.

Conclusion:

Regenerative medicine seems to be effective in hair rejuvenation. Future experiments will clarify the cellular target of adipocyte signals in the skin and further define how PDGF signaling promotes bulge cell activation. Challenges regarding exosomes are remaining to be solved toward the development of successful targeted drug delivery. In vivo studies should aim at improving potency and reducing the toxicity of exosomes to explore the future directions moving towards therapeutic approaches in the coming years.

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**MESTRE Jean-Rene**  
Friday, March 31, 2023 - from 16:30 to 18:00

**AURIC 5**

Session:  
Latest Research on Medical Conditions

### HOW TO DELETE YOUR OBESITY HISTORY

One recent systematic review suggests that healthy eating patterns can influence the metabolic profile of otherwise obese individuals while other reviews suggest the variation in criteria used to classify obese metabolically healthy people make it difficult to draw conclusions about mechanisms for metabolic differences in similarly obese individuals.

It remains to be seen if the current diet may have a significant impact on insulin sensitivity irrespective of the obesity status of an individual. Is it possible to return to a truly healthy state ? And how to do?

Une revue systématique récente suggère que des habitudes alimentaires saines peuvent influencer le profil métabolique d'individus autrement obèses, tandis que d'autres revues suggèrent que la variation des critères utilisés pour classer les personnes obèses métaboliquement saines rend difficile de tirer des conclusions sur les mécanismes de différences métaboliques chez des individus obèses similaires.

Est-il possible que le régime alimentaire actuel ait un impact significatif sur la sensibilité à l'insuline. Est-il possible de revenir à un état réellement sain ? Et comment faire ?

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**MITROVIC JOVANOVIC Ana**  
Saturday, April 01, 2023 - from 09:30 to 10:30

**AURIC 5**

Session:  
FSH, Telomeres and Nutraceuticals Recent News

### SUPPLEMENTATION FOR WOMEN HEALTH

Nutrients required by organisms throughout life in small quantities to orchestrate a range of physiological functions. For people, they include dietary trace minerals in amounts generally less than 100 milligrams/day. There is no anti-aging medicine without 4P therapy and without appropriated supplementation throughout lifetime. There is no short time therapy; there is no magic instant trick for healthy life.

Different life period required different supplementation and different activities through the women life. Evidence strongly suggests that substitution with different micronutrients has a positive impact on female fertility. Methylfolate is recommended during the period of conception planning, during pregnancy and during breastfeeding, from 400 mcg to 1000mcg/daily. Beta-Carotene is a powerful antioxidant and protects skin from UV radiation. It is especially recommended for skin sensitive to sunlight. It contributes to a more beautiful complexion and appearance of the skin. Vitamin B12 ensures the protection of nerve cells. Vitamin B12 is necessary for normal production of red blood cells and adequate delivery of oxygen to the cells. It affects reduction of fatigue and exhaustion.

Magnesium citrate with Vitamin B6 is a good formula that provides quick action of magnesium from magnesium citrate, relieves fatigue, pain and muscle cramps. Magnesium in combination with vitamin B6 contributes to better mood and normal function of the nervous system. Alpha lipoic acid\* 300 provides an optimal dose of alpha lipoic acid, which is an antioxidant of key importance for protection of nerves and the reduction of symptoms of damage to nerve endings.

Alpha lipoic acid contributes to a better regulation of blood sugar levels, reducing the risk of developing complications of diabetes mellitus, protect the heart and blood vessels as an antioxidant. It contributes to the reduction of symptoms and prevents the worsening of nerve damage.

Vitamin C provides strong antioxidant effect and protects body from viruses and bacteria. The vitamin C provides better protection of cells against oxidative stress. There is a strong correlation with fertility status, both man and women, strong correlation of positive effects of vit C and pregnancy, strong correlation in immune response for oncology patients .. and many others different positive effects on life quality and well being. Vitamin C shortens the time needed for body to recover from infection and disease and contributes to the reduction of fatigue and exhaustion, but what about dosage? From 50 mg to more than 5g /daily depend of the occasion and life period. We should not forget importance of Vitamin D, vitamin K, Zinc, chromium, selenium, Q10 ...

It is not easy to recommend an appropriate, optimal combination and dosage of different supplements and micronutrients. It should be personalized.

Understanding specific needs and metabolic implication of different supplements through women lifetime may guide us to treat individuals optimally.

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**MONTOYA Mariana**  
Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:  
X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

### MOST VALUED BODY FEATURES (AND TREATMENT)

What is the use of knowing the bodily changes of women in the different stages of life compared to aesthetic medical

treatments?

## INTRODUCTION

The body characteristics of women are part of the clinical vision for the diagnosis of various diseases such as metabolic pathologies, infertility, cancer, and autoimmune disorders. Race, and socioeconomic status, followed by cultural migration, lead to globalization in lifestyles and habits which generate epigenetic changes that over the years are transcendental for the phenotype of women today. The Latino stereotype is characterized because its waist-hip distribution is pear-like, and with the changes of globalization metabolic risks increase, but also the purely physical traits are causes of low self-esteem and more consultants. Currently, patients come to the aesthetic consultation in search of alternative treatments to improve their physical appearance, but perhaps masking different pathologies such as obesity, metabolic syndrome, polycystic ovary syndrome, hirsutism, and eating disorders, among others. Therefore, the female phenotype and life stage take great importance for a good anamnesis and a complete physical examination, which provide sufficient information for the appropriate orientation of patients for their aesthetic treatments.

## DEVELOPMENT

For the promotion and prevention of healthy habits, as well as the decision to indicate to patients the appropriate at the time of performing an aesthetic procedure for adiposity, it is necessary to review some aspects related to the evolution and body changes that women have over the years. The association of age and the increase in obesity, due to eating habits during life due to the consumption of saturated fats, sugars, sedentary lifestyle, stress, and menopause; as a predisposition of cardiovascular risk due to the increase in waist-hip fat, in addition to the increase in visceral fat, low schooling, and lower socioeconomic status, race, in addition to metabolic disorders of genetic origin such as hyperandrogenism associated with polycystic ovary syndrome, are some of the relevant factors in the evolution of the female phenotype and body disorders, for which a good anthropometric physical examination including bioimpedance is necessary, to establish a prediagnosis and appropriate therapeutic guidelines for patients concerning their needs and expectations.

## DISCUSSION AND CONCLUSIONS

A complete physical examination in patients who want a body aesthetic treatment is necessary for a good result, in addition to the latest technologies, making lifestyle changes contributes to epigenetics, decreases metabolic age, and therefore complications related to the passage of time improving quality of life.

Keywords: Female phenotype, epigenetics, metabolism.

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## MONTOYA Mariana

Friday, March 31, 2023 - from 11:00 to 13:00

NIJINSKI

Session:

X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

## INCREASE IN BODY CURVES

For Latin women, it is very important to maintain the lines and curves of their face and body, that's why multiple filler treatments and Biostimulation are used to preserve projection and taut skin despite the passing of the years.

In this conference, usual markings will be shown to deal with the use of PLLA, one of the best Biostimulators on the market, used in multiple areas of the body including hands, neck, abdomen, buttocks and arms to expand by 360 degrees all the areas that we can cover in skin tightening treatment in our patients.

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## MOROZ Olena

Friday, March 31, 2023 - from 09:00 to 10:30

AURIC 4

Session:

Scars - New experience from Ukraine and worldwide

## FACE SCARS TREATMENT (CLINICAL CASES)

Burn and post-traumatic scars  
Combination Therapy of Pulsed Dye Laser  
595 nm With Intense Pulsed Light 530 nm  
and fractional CO2 laser

1. Background and objectives

Previously, we dealt mainly with post-acne scars and were looking for the most effective methods to get rid of them  
Now the specifics of our work have changed and we mainly deal with scars after burns by flames, as well as scars from shrapnel  
Our goal is to make scars and scars less visible as quickly and efficiently as possible and improve the patient's function and quality of life.

## 2.Methods

Patients with fresh post traumatic scars which have red color at first , get IPL therapy 530-555 nm wavelength in combination with  
VBeam Perfecta, 595 nm, 0.45-1.5 ms; (Candela Laser Corporation, Wayland, MA, U.S.A)

Parameters for treatment red scars :

IPL 530-555 nm (Nordlys, CandelaCorp. USA) 1,5-10 ms pulse durations, 7-8J energy

PDL (VBEAM Candela) 7 mm spot size,

0,45 -1,5 ms pulse durations, 8-12J energy

Depends on results mostly it was 2-3 procedures with an interval 4-6 weeks.

Second step is the treatment with fractional CO2 laser (Candela corp.) after 4 weeks from last IPL+PDL therapy

Additional therapy with injections

for keloid scars- Diprosan ,

for hypertrophic scars- Diprosan, collagenaza, polynucleotides

for atrophy areas- hyaluronic acid cross linked and non-cross linked sometimes in combination with Platelets rich plasma (PRP)

## 3.Results and conclusions

Combine treatment with fractional CO2 laser, PDL laser and IPL treatment , injections with Diprosan, PDRH, hyaluronic acid and PRP

the combination of laser and injection therapy allows us to reduce the height of hypertrophic scars and improve the appearance of the patients

Combined treatment gives us good results, improving the quality of life of patients and increasing the functional capacity of damaged face and body.

Combination therapy lasers +IPL+injections for patients with post-burn scars gives a good result with minimal adverse effects.

## 5.Keywords

burn scars, fractional lasers, treatment scars, laser resurfacing

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## **MOYA Roni**

Saturday, April 01, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:

Rejuvenation Vitality

### **REGENERATIVE BIOMEDICINE AND XENOGENEIC CELL THERAPY IN IMMUNE REJUVENATION**

With aging comes a remodeling of the immune system. Over time, this leads to a decline in immune effectiveness, resulting in increased vulnerability to infectious diseases, decreased vaccination responses, and susceptibility to age-related inflammatory diseases. This phenomenon, called immunosenescence, is multifactorial and affects both natural and acquired immunity. As aging is a plastic process, it is influenced by both nutritional and pharmacological interventions. Regenerative biomedicine aims to use cutting-edge technology specialized in cell therapy and tissue-derived peptides, as well as their regenerative factors, nutrition, antioxidants infusions and low level endovenous laser-therapy (LLLT) to combat immunosenescence and rejuvenate the immune system. The purpose of this conference is to develop the basic concepts on cell therapy and intervention protocols in biomedical clinical practice for immune rejuvenation.

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## **NAOUM Nikos**

Thursday, March 30, 2023 - from 11:40 to 13:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part II

### **HYALURONIC ACID IN THE HANDS OF A VAGINA DESIGNER**

Hyaluronic Acid in the hands of a Vagina Designer

All women want to feel confident in their body and like themselves in and out of their clothes. For most areas of the body, they do not hesitate to seek for medical advice on their concerns, like breast or thighs. But most of them stay silent for concerns about their "intimate" area.

The skin and the tissue in the labia and vagina respond similarly to the aging process as in any other part of the human body. It can become lax, loose, dry, wrinkled and saggy as time goes

by. Adding heredity and childbirth can make things even worse.

One of the most popular non-invasive treatments is the use of hyaluronic acid for the labia rejuvenation.

In my presentation, I will analyze my techniques and my results for the successful treatment of the below patient concerns:

- Volume increase in the outer labia of the vulva for aesthetic reasons
- Relaxation of the vagina (due to labor or heavy weight loss)
- Dryness of the mucous membrane (usually accompanied by pain)
- Dyspareunia during sexual intercourse
- Atrophy of the labia majora of the vulva
- Atrophy of the vaginal mucosa (due to menopause)
- Burning sensation, increased sensitivity or chronic irritation and itching
- Vaginitis and urinary tract infection
- Perineum (after its injury)
- Radiotherapy or chemotherapy follow-up

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## **NAVARRO Carmen**

**AURIC 4**

Thursday, March 30, 2023 - from 11:40 to 13:00

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part II

### **THE USE OF PRP IN INFERTILITY**

The life expectancy of the world population increases that is, there are more people over 65 years old. With aging, the body's immunity, and regenerative response to damage decrease, which leads to the development of diseases.

The infertility rate has increased to 38% in recent decades.

10 to 15% of the world's population has POF (Curr Stem Cell Res Ther. 2020;15(6):473-81.)

But growth is slowing, and, within a few decades, Earth's population will begin to shrink.

Today, almost half the people on Earth live in places where lifetime fertility is below 2.1 births per woman — roughly the level required for populations with low mortality to stop growing in the long run.

Worldwide we have a very particular equation today, increasing the expectation of life + faster aging + increase in global infertility.

Marked fall in the population turnover rate (on normal average it should be between 2.5 and 2.8 children per woman)

Myths in history of the neo-oogenesis and ovarian regeneration... for example once that reserve of follicles is exhausted, it is impossible to restore ovulation.

But today we know....

The production of new oocytes (oogenesis) and their encapsulation by somatic cells (follicle genesis) are processes that are not limited to the prenatal period in mammals.

There is evidence that active renewal of oocyte-containing follicles takes place during postnatal life.

There are specific markers of germ cells present in the extracellular environment that allow effective communication between cells so that they remain in constant renewal.

PRP modulate the primordial to primary follicle transition in reproduction.

Purpose To investigate the impact of a 3-month course of intracortical injections of autologous platelet-rich plasma (PRP) upon ovarian reserve markers versus no intervention in women with low ovarian reserve prior to undergoing assisted reproductive technology (ART)

Conclusion PRP injections are effective and safe to improve markers of low ovarian reserve prior to ART.

Biostimulation of the ovarian cortex was performed, transvaginal, with activated Platelet Growth Factors, in the follicular phase, for three months in a row.

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## **NUWAYHID Marwan**

**AURIC 4**

Thursday, March 30, 2023 - from 11:40 to 13:00

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part II

### **COMPLICATION MANAGEMENT AFTER LIPO AUGMENTATION OF THE LABIA MAJORA**

The Augmentation of the Labia majora is increasingly being carried out. It is a relatively easy surgical procedure but can be fraught with several complications. These complications comprise swelling, asymmetry, infections and abscess formation. Measures to avoid these complications will be discussed considering the special anatomical structures of the Labia majora.

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## **OGILVIE Patricia**

**PRINCE PIERRE**

Saturday, April 01, 2023 - from 09:00 to 10:30



Session:  
"MY BIGGEST MESS UP" - COMPLICATIONS PANEL

**INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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**OH Seungmin**

Friday, March 31, 2023 - from 11:45 to 13:00

**PRINCE PIERRE**

Session:  
Threads: Focus on Neck

**DOUBLE NECK TREATMENT USING NECKLACE TECHNIQUE WITH ABSORBABLE PDO THREAD**

From a cosmetic perspective, there are two factors that contribute to a double chin. The first is an excess of fat in the neck area, and the second is a small mandible size. To address a double chin, one can either reduce neck fat or strengthen the mandible using implants like fillers. However, if a double chin is accompanied by sagging due to a loss of skin or subcutaneous tissue elasticity, the above method may not be sufficient. In such cases, it is necessary to use threads to pull and shift the tissue. The necklace technique, which employs a long thread and is often utilized by the author, has proven to be effective in treating a double chin with decreased tissue elasticity and sagging. In this presentation, the author will elaborate on thoughts and analysis regarding the necessary precautions and primary techniques involved in the procedure.

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**OH Seungmin**

Saturday, April 01, 2023 - from 14:00 to 16:00

**SALLE DES PRINCES**

Session:  
Threads: Focus on Eyebrows

**EYEBROW TAIL ELEVATION WITH BARBED THREAD USING HYDRO-DISSECTION OF FOREHEAD PLANE**

in order to achieve elevation of the eyebrow tail, comprehension of the dynamic mobile plane is imperative. Upon ultrasonic examination of the motion of the outer aspect of the forehead, the mobile plane is identified as the loose connective tissue layer under the frontalis muscle.

During eyebrow tail elevation utilizing thread lifting, this layer is manipulated, resulting in elevation of the area. Subsequent to tissue manipulation with a thread, sustained lifting is feasible if the restorative tension of the mobilized tissue is minimized.

As such, the author performs dissection of the mobile plane with a tumescent solution, elevates the eyebrow tail segment, and then secures it through the insertion of cog threads. Following this procedure, the dissected planes maintain their uplifted position during the wound healing process.

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**OSUCH Piotr**

Saturday, April 01, 2023 - from 11:15 to 13:15

**SALLE DES PRINCES**

Session:  
Lip Augmentation: Current Trends and Methods

**THE ART OF LIP LIFT: SURGICAL TECHNIQUE AND PATIENT SELECTION**

"The Art of Lip Lift. Surgical technique and patient selection"

Lip lift surgery offers the opportunity to enhance the shape and balance of the upper lip and improve the overall appearance of the face. The success of lip lift surgery depends on the surgical technique used and proper patient selection.

Over the past 7 years, we performed over 700 lip lift procedures in our practice using a comprehensive surgical technique that involves tissue undermining and preparation in the supra-muscular layer. That results in better show of the red part of the lip and has stronger impact on lip corners elevation. In heavy lip drop or asymmetry cases, wide tissue preparation is combined with partial orbicularis oris muscle excision or its plication.

While lip lift surgery is generally considered an easy and increasingly popular procedure, it can result in undesirable outcomes

if proper patient selection is not considered.

We would like to share our experience with the audience.

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**PEARLMAN Jennifer**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

**ADVANCED TOX TALK - NEW TOX OPTIONS, TECHNIQUES AND TWEAKS FOR FACE AND BODY. THE HOTTEST TOX TALK OF THE YEAR!**

Learn the latest trends, treatments and techniques shaped by evolving science on neuromodulation. Take your Tox to the next level!

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**PELLET Yves**

Saturday, April 01, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:

New Propositions in AAM

**A MODERN POST-OPERATIVE CARE CONCEPT**

Présentation d'une moderne prise en charge pré et post-opératoire, afin d'obtenir une réhabilitation précoce du patient en réduisant la cascade inflammatoire dû au geste chirurgical, tout en évitant une perte de masse musculaire et de bénéficier d'une meilleure protection immunitaire.

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**PENG Peter Hsien-Li**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 4**

Session:

Cosmetic Dermatology for Asian Patients - Taiwan's Perspective

**ASIAN SCI BEAUTY**

There are many signs of an aging face, including volume loss (sunken /depression), wrinkles, folds, laxity, sagging, pigmentations, and changes in skin texture.

Asian SCI beauty : Asian stand for Asian specific structure(bony, muscular, skin etc), S stand for Skin( i.e. epidermis +dermis), C stand for contouring , I stand for index.

Minimal invasive modality such as injectables are commonly used in clinical practice. Combination injection with botulinum toxin and hyaluronic acid fillers, can have synergistic effect on different facial layers and have lifting or reposition effect, volumization of deep fat compartment and superficial fat compartment , relax facial muscles and skin rejuvenation effects.

In this session, I will focus on using injectable to have synergistic rejuvenation effects for Asian structure, skin , contour and beauty.

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**POLEVA Irina**

Friday, March 31, 2023 - from 14:00 to 14:55

**POULENC**

Session:

AestheFill, less defects more effects, PDLLA biostimulator as an innovative approach

**AESTHEFILL, LESS DEFECTS MORE EFFECTS, PDLLA BIOSTIMULATOR AS AN INNOVATIVE APPROACH**

The author presents her personal experience in using PLLA and PDLLA for skin rejuvenation: advantages and disadvantages of these PLA isomers in terms of preparation, the procedure itself and aesthetic outcome.

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**POLIMENI Ascanio**

Friday, March 31, 2023 - from 15:00 to 16:00

**AURIC 5**

Session:

New Trends in Longevity Research and Inflammaging Management: The Italian View

### **EXPLORING THE EMERGING EXERCINE KLOTHO, THE GAME CHANGER PEPTIDE OF LONGEVITY AND HEALTHY AGING RESEARCH**

The protein Klotho was first discovered as an aging-suppressor gene. Mice that do not express klotho die prematurely with multiple diseases of aging. On the other hand, genetic overexpression extended both health span and life span by an impressive 30%. Klotho is highly expressed in the brain, the kidney, and parathyroid and pituitary glands, but can also serve as a circulating hormone by its shedding, forming soluble klotho (sKlotho) that can be detected in blood, cerebrospinal fluid and urine. Klotho, which is produced primarily in the kidneys, has been shown to suppress both oxidative stress and senescence-associated inflammation, functioning as both an intracellular anti-inflammatory and an anti-aging factor. It also regulates phosphate homeostasis and the activity of members of the fibroblast growth factor, plays a role in the brain-immune system interface, is neuroprotective and protects the cardiovascular system. Available evidence suggests that exercise increases Klotho levels, regardless of the condition or intervention, shedding some light on this anti-aging protein as an emergent and promising exercine. Not only has Klotho deficiency been linked to a number of debilitating age-related illnesses but many subsequent reports have lent credence to the idea that Klotho can compress the period of morbidity and extend the life span of both model organisms and humans. This suggests that Klotho functions as an integrator of organ systems, making it both a promising tool for advancing our understanding of the biology of aging and an intriguing target for interventional studies. In this review, we highlight advances in our understanding of Klotho healthy aging and longevity actions and its role as an emerging multifunctional miokine.

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**POTOTSCHNIG Hanno**

Friday, March 31, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

Hair Restoration Agenda - Invasive Treatments for Hair Loss

### **PRP FOR THE TREATMENT OF PATTERN HAIR LOSS - WHAT CLINICAL EFFECTS CAN WE EXPECT AND HOW SATISFIED ARE MALE/FEMALE PATIENTS AND CLINICIANS**

Introduction: Hair loss is a widespread condition in both genders. Over the past decade PRP has become a common treatment for hair loss. Our goal was to analyze patient and clinician satisfaction and to investigate all potential clinical effects of PRP on male and female pattern hair loss in a simple and practical way instead of counting the number of hairs per cm<sup>2</sup>, which requires advanced technologies such as trichoscopic imaging and is usually not available in daily practice.

Materials & Methods: Over a period of 12 months, we treated a total of 56 patients for androgenetic alopecia with PRP. 49 patients were treated with a series of three injections at monthly intervals, 3 patients with a series of four injections, 2 patients with a series of 5 injections, 1 patient was treated with a series of 7 injections, and 1 patient with a series of 8 injections. Follow-ups were conducted 1 month after the last treatment. Global photographs were taken and a self-drawn questionnaire was used to assess the satisfaction and clinical results from the patient's and the clinician's perspectives.

Results: 32 patients were male and 24 female. The average patient satisfaction score was 7.29 (scale: 0-10). The clinician's rating was similar (6.46). The recommendation rate was high (8.0). Female patients' ratings were slightly but not significantly better. The probability of occurrence of clinical effects was reported as follows: improvement in hair density: patient's rating: 64%; clinician's rating: 46%; thickness: 38%; 45%, quality: 46%; 54%, sheen/lustre: 27%; 21%, new hair growth: 57%; 68%, less hair loss: 48%; 20%, other positive effects: 5%, 2%, no effects: 4%; 4%, negative effects: 0%; 0%.

Conclusion: Using a short questionnaire in daily practice is easy and may be also helpful to increase compliance and satisfaction. Our study revealed encouraging results for the treatment of male and female pattern hair loss with PRP. In 96% of all patients positive clinical effects were found. The autologous treatment was rated with high satisfaction scores and can be considered a safe and effective treatment modality for both genders. As patient satisfaction scores are subjective to some extent, we added clinician satisfaction scores and found out that they were consistent with the patients' scores.

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**PRASAD Shail**

Thursday, March 30, 2023 - from 16:30 to 18:00

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part IV

### **COST-EFFECTIVE ONE-EURO PRP PREPARATION AND ITS MEDICAL ROLE IN LICHEN AND UNHEALING RVF: INDIAN EXPERIENCE ON PROVIDING AFFORDABLE AND SUSTAINABLE HEALTHCARE TO A POPULATION OF 1.42 BILLION**

PRP has a great role to play in modern day cosmetic gynaecology and helps in many functional issues also like management of LS, non-healing fistulas as well as FSD. In developing countries where cost is an issue, it is important that the PRP treatment must be affordable for all. At ICCG, we developed protocols where we are able to prepare PRP in less than 1 Euro, which makes this treatment affordable for all.

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**PSATHAS Nikolas**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

Virtual Humans and AI - The Future of in silico Biomedicine

**AI AND PERSONALIZED PRESCRIBING**

Let's find out how AI is going to affect the prescription of personalized medications and how will impact compounding pharmacies.

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**RAVICHANDRAN Simon**

Thursday, March 30, 2023 - from 09:30 to 10:45

**CAMILLE BLANC**

Session:

Evolution of Dermal Fillers

**CAHA TREATMENTS WITH MULTIPLE DIFFERENT DILUTIONS TO COVER THE WHOLE FACE AND NECK**

The use of Calcium Hydroxylapatite dermal fillers has been developing over recent years as understanding of it's role as a powerful biostimulator develops. This presentation summarises the current consensus use of Radiesse in various dilutions and techniques to achieve results in bio stimulation of the face, neck and body.

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**REBELO-MARQUES Alexandre**

Saturday, April 01, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:

New Propositions in AAM

**KEYNOTE: THE ANTI-AGING EFFECTS OF EXERCISE: IS THERE A DRUG THAT CAN REPLICATE THEM?**

As we age, exercise becomes increasingly important for maintaining health and preventing age-related diseases. But let's face it, sometimes hitting the gym can be a challenge. The million-dollar question is, can a pill take the place of a workout and still provide the same anti-aging benefits?

In this engaging presentation, we'll dive into the science behind exercise and aging, and ask the question on everyone's mind: can a pill really replace the sweat? We'll examine existing drugs claiming to have anti-aging effects and explore the current state of research on developing drugs that mimic the effects of exercise.

Join us as we uncover the truth about exercise and aging, and discover whether a pill can really replace the sweat. This information is essential for anyone interested in healthy aging. Get ready to be inspired and informed!

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**REYES AGUERO Maria Del Pilar**

Thursday, March 30, 2023 - from 09:30 to 11:40

**AURIC 4**

Session:

Genital Restoration Aesthetic Gynecology Agenda - Part I

**THE NEW SAFE ANESTHETIC SOLUTIONS FOR SMALL GYNECOLOGIC PROCEDURES**

The need and my desire to work in a clean surgical field in which I could perfectly see the anatomy, appropriate to my characteristics as a surgeon led me to look for an anesthetic formula that would allow me to operate safely avoiding trans operative bleeding especially in nose surgery, rhinoplasty approach or closed technique; since the visual space is very small and the bleeding never allowed to see the anatomical structures well.

I needed a tumescent local anesthesia that would maintain the anesthesia for longer, suitable for surgery with greater safety and comfort for my patient. Another of my great concerns was to prevent the complications of postoperative bleeding, as well as to ensure the viability of the tissues once the anesthetic and ischemic effect of the Reyes solution had passed."

In Reyes' solution I combined Ropivacaine as a local anesthetic that gives me up to 4-8 hrs. of anesthetic effect on the infiltrated tissue, Tranexamic Acid which is a substance that significantly reduces trans and postoperative bleeding by selectively altering the fibrinolytic system; It inhibits the formation of plasmin temporarily preventing the dissolution and degradation of fibrin clots, therefore it also has an anti-inflammatory effect as plasmin is responsible for various inflammatory activities.

On the other hand, adrenaline plays a very important role by producing a local vasoconstrictor effect at the site of infiltration of this Reyes 'solution, achieving the vasoconstriction necessary to visualize the anatomical structures mainly in surgery of the

nose, eyelids, ears and face.

One of the challenges that cosmetic surgeons encounter is being able to perform cosmetic surgeries with the use of a local anesthesia that allows them to perform the procedure safely and avoiding discomfort in the patient. Various types of anesthetic combinations have been tried and published mostly for short-term surgeries and what can be performed with proper local anesthesia and small oral sedation of the patient.

This monograph will present the results obtained with the formula of Dr. Pilar Reyes associating various products allows us to perform a safe surgery.

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**RIVKIN Alexander**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

**NAVIGATING THE LANDSCAPE OF SELFIES, SOCIAL MEDIA, AND REALISTIC EXPECTATIONS AMONG AESTHETIC PATIENTS**

### **SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to manage patients in the ever-changing world of digital media.

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**RIVKIN Alexander**

Saturday, April 01, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

**"MY BIGGEST MESS UP" - COMPLICATIONS PANEL**

### **INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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**ROBIN Jean Marc**

Saturday, April 01, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

**New Gut Concept**

### **THE IMPACT OF SILENT ORAL INFECTIONS ON CHRONIC DEGENERATIVE DISEASES AND PROPOSED TREATMENTS**

An often-overlooked part of the health system is infections of the Bucco dental area, infected teeth, gums, tonsils, and sinuses. We frequently regard them as no more than mere discomforts when they can be life-threatening and be so in a silent manner.

In this presentation, I will try to shed light on the hidden dangers of these infections, and their overall implication in most heart attacks and breast cancer as well as many other chronic degenerative diseases, especially accounting for the fact that when these infections are asymptomatic and undetected, they cause the most amount of harm.

With the help of new diagnostic tools, such as 3D Cone Beam Imaging, a relatively new X-ray tool, that reveals many of these pools of infection to a degree never seen before. Studies with this technology indicate that the prevalence of these oral pathologies is very common throughout the world. But fortunately, very effective and inexpensive treatments for these

infections exist including supplements like vitamins B complex, C, D, E, K and magnesium as well as lysine, proline, omega-3 fish oils (EPA and DHA), coenzyme Q-10, N-acetyl cysteine, alpha lipoic acid, curcumin, aloe vera, etc ... in adjunction with many more techniques, like the optimization of critical hormone balance, the elimination of accumulated toxins and more. These treatments can limit the harm caused by the infections while reducing the incidence of most chronic diseases.

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**ROTIM Zeljko**

Thursday, March 30, 2023 - from 09:30 to 10:45

**CAMILLE BLANC**

Session:

Evolution of Dermal Fillers

### **IMPROVING FACIAL EMOTIONAL EXPRESSIONS WITH DERMAL FILLERS IN GOLDEN AGE**

A face at rest and in animation sends an emotional message that the environment perceives and interprets in a positive and negative way. As we age and due to structural changes in the bone and soft tissues, an emotional message may result that is not always reflective of how we really feel. The face reflects a person's inner feelings and how they project these emotions to the world. Consequences of ageing process give to faces 3 predominant negative facial expressions: tiredness, sadness, anger. As injectors, we must understand the anatomical changes that can lead to those emotions and therefore know how to correct them.

We can influence on the changes that occur during the ageing process by using a wide range of anti-ageing non-surgical procedures to change facial expressions from negative to positive: skin boosters, dermal fillers, neurotoxins, mesotherapy, PRP, collagen, threads and medical device.

Is a strong influence of aesthetic treatment on self-confidence of patients. Aesthetic treatments improves patients' self-reported psychological well-being, social confidence, and aging appearance.

To understand what happens to the face in the "golden age", we need to understand the aging process. Ageing of the face is characterized by bone and soft tissue resorption, especially atrophy and redistribution of fat layers, which leads to loss of volume and sagging of the face. Ageing is a resultant of two processes- genetical changes in an organism and modifications caused by a negative external environment impact. Any hormone changes can improve or worsen condition of the skin and dermatological changes. It is said that skin is a functional picture of the organism and endocrinological system. The skin ageing, due to endogenous factors and hormonal changes shows excessive dryness, layer thinning, microcirculation disorders, HA, collagen and elastin fiber degradation. Despite the passage of time, women want to feel good inside their skin. The best way to achieve good results is an adequate assessment of the patient's face as well as the determination of the aesthetic protocol. Proportions and contours of the face have a big impact on face features - they show attractiveness and beauty of the face.

All three negative emotional facial characteristics (sad, tired and angry face) have typical characteristics that are described in detail by thirds of the face. The lecture also offers an algorithm for aesthetic corrections of the so-called "happy face". In accordance with these characteristics, the correction algorithm for improving the emotional expression of the face with skin boosters and dermal fillers is described in the lecture.

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**RUIZ Aura**

Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

X-RAY OF THE LATINO STEREOTYPE AND ITS TREATMENT (SESSION AMWC LATAM)

### **MOST VALUED BODY FEATURES (AND TREATMENT)**

What is the use of knowing the bodily changes of women in the different stages of life compared to aesthetic medical treatments?

#### **INTRODUCTION**

The body characteristics of women are part of the clinical vision for the diagnosis of various diseases such as metabolic pathologies, infertility, cancer, and autoimmune disorders. Race, and socioeconomic status, followed by cultural migration, lead to globalization in lifestyles and habits which generate epigenetic changes that over the years are transcendental for the phenotype of women today. The Latino stereotype is characterized because its waist-hip distribution is pear-like, and with the changes of globalization metabolic risks increase, but also the purely physical traits are causes of low self-esteem and more consultants. Currently, patients come to the aesthetic consultation in search of alternative treatments to improve their physical appearance, but perhaps masking different pathologies such as obesity, metabolic syndrome, polycystic ovary syndrome, hirsutism, and eating disorders, among others. Therefore, the female phenotype and life stage take great importance for a good anamnesis and a complete physical examination, which provide sufficient information for the appropriate orientation of patients for their aesthetic treatments.

#### **DEVELOPMENT**

For the promotion and prevention of healthy habits, as well as the decision to indicate to patients the appropriate at the time of performing an aesthetic procedure for adiposity, it is necessary to review some aspects related to the evolution and body changes that women have over the years. The association of age and the increase in obesity, due to eating habits during life due to the consumption of saturated fats, sugars, sedentary lifestyle, stress, and menopause; as a predisposition of cardiovascular risk due to the increase in waist-hip fat, in addition to the increase in visceral fat, low schooling, and lower socioeconomic status, race, in addition to metabolic disorders of genetic origin such as hyperandrogenism associated with polycystic ovary Sind, are some of the relevant factors in the evolution of the female phenotype and body disorders, for which

a good anthropometric physical examination including bioimpedance is necessary, to establish a prediagnosis and appropriate therapeutic guidelines for patients concerning their needs and expectations.

#### DISCUSSION AND CONCLUSIONS

A complete physical examination in patients who want a body aesthetic treatment is necessary for a good result, in addition to the latest technologies, making lifestyle changes contributes to epigenetics, decreases metabolic age, and therefore complications related to the passage of time improving quality of life.

Keywords: Female phenotype, epigenetics, metabolism.

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### **RUIZ Aura**

Friday, March 31, 2023 - from 11:00 to 13:00

**NIJINSKI**

Session:

X-Ray of the Latino Stereotype and Its Treatment (Session AMWC LATAM)

#### **TREATMENT OF THE LATINOAMERICAN SKIN**

Latin American skin types have important characteristics that make them different due to the racial mixture of their ancestors and migration from all over the world.

This determines a wide range of skin tones where Fitzpatrick phototypes from II to V predominate, with thicker dermis.

Also we must consider lifestyles and geographical area where they live.

A hyperpigmentary response is common, with the development of melasma and post-inflammatory pigmentation. Even dark circles under the eyes.

The pigmentation of the lines of the hands is a risk marker for hyperpigmentation.

There are more inflammatory conditions such as eczema and scars.

All of these affect the patient's perception of health and beauty.

Skin care tips and a therapeutic approach will be given.

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### **RUNNEBAUM Marion**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

When to Stop Treatments With Fillers

#### **OVERFILLING FACE SYNDROME - WHY ARE WE PRODUCING THIS?**

Regarding the problem of overdosed faces. With knowing more and more about anatomy, we are producing more and more avatar faces. Is it the fact of non understanding the faces? Is it the fault of not having the right view? New studies can help us to prevent overfilled faces.

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### **RUNNEBAUM Marion**

Saturday, April 01, 2023 - from 09:15 to 10:45

**SALLE DES PRINCES**

Session:

Maxi Live - Forehead Temporal Area

#### **LIVE INJECTIONS: TEMPLE AUGMENTATION - FROM ANATOMY TO INJECTIONS**

The temporal region is very difficult to treat. It is not only to see the temples. Anatomy is the key. A safe injection technique and the possibilities to transfer a not hollowed face. The difference in using blunt canula versus sharp needle. Which is the right material for each injection technique.

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### **RUNNEBAUM Marion**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:  
Toxin: Trends and Outcomes

### **MICROBOTOX IN AESTHETICS AND SKIN PROBLEMS**

What is the difference in Microbotox and regular Botulinum injection. With the understanding of Botulinum Toxin treatments over decades now, we can see, that this medical treatment, is not only about aesthetics. It can help us in different ways, to get a healthier skin. Do's and don'ts with Injection technique and the possibilities to transfer the device.

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**SABATER Ana**

Thursday, March 30, 2023 - from 14:00 to 15:00

**AURIC 5**

Session:  
Hormonal Aging

### **PHARMACOGENETICS IN TREATMENT OF NON VITAMIN K ANTICOAGULANTS**

Why in treatments with anticoagulants and/or antiplatelet, is it necessary to take into account the patient's genetics and checking drug interactions?

Because, the consequences of not considering this may be very serious and can result in a very different effect on the treatment: haemorrhage, and in the opposite case, thrombosis.

The "protocols" of anticoagulation therapy are often too rigid. Unfortunately, there are no established algorithms for deciding on the most appropriate dose or drug(s), depending on the patient's genetics.

The logic to follow should be to know the patient's genetics, see which the most appropriate drugs are, and never the other way around, this is, checking genetics after the event has already happened.

As a result, it is known that haemorrhages happen, also thrombosis, although in a smaller proportion.

Avoiding it via pharmacogenetics may be a powerful option.

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**SAGNER Michael**

Thursday, March 30, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:  
New Approaches to Anti-Aging

### **KEYNOTE: BEAUTY AND ANTI-AGING INSIDE OUT: THE HALLMARKS OF AGING AND HOW TO ADDRESS THEM IN 21ST CENTURY MEDICINE**

Cosmetics, skincare, plastic surgery, and anti-aging are billion-dollar industries and new products are created every year for a myriad of purposes ranging from acne to longevity. The first visible sign of aging is usually the skin, the largest organ in the human body and it is affected by the same factors that influence health and longevity, such as lifestyle and environmental factors. Aging skin and organs is a matter of biology rather than chronology. We might not be able to completely stop the aging process but we can delay and reverse its effects with new integrated approaches using pharmaceuticals and modern treatments that promote both skin health and beauty.

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**SALLIS Iain**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:  
Hair Restoration Agenda - The Hair Follicle

### **HAIR IN FORENSICS**

Hair samples have been used to investigate levels of minerals, medicines, narcotics, poisons and other toxins in a person's body to great effect. Along with the known morphology of the hair, it provides a singularly telling tissue in court cases. Join me to explore the pros and the cons in using hair samples in a forensic setting ...and possibly with your help we may solve the odd murder case!

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**SALLIS Iain**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:  
Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss



## TOPICAL TREATMENTS FOR GENETIC HAIR LOSS

Cosmeceutical therapies for genetic hair loss are becoming mainstream and the claims of what they achieve stronger, aversion to medical therapies are common in patients so, can we treat genetic hair loss without medical therapies? In this talk I will take you through several cosmetic topical treatments for genetic hair loss, the mechanisms of action and the evidence for their efficacy.

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**SCAPAGNINI Giovanni**

Friday, March 31, 2023 - from 15:00 to 16:00

**AURIC 5**

Session:

New Trends in Longevity Research and Inflammaging Management: The Italian View

## NUTRACEUTICAL INTERVENTIONS FOR PROMOTING HEALTHY AGING AND LONGEVITY

Calorie-reduced and health-promoting diets have shown promising results in maintaining health and reducing disease burden throughout aging. More recently, pharmacological Caloric Restriction Mimetics (CRMs) have gained interest of the public and scientific community as promising candidates that mimic some of the myriad of effects induced by caloric restriction. Importantly, many of the CRM candidates activate autophagy, prolong life- and healthspan in model organisms and ameliorate diverse disease symptoms without the need to cut calories. Among others, glycolytic inhibitors (e.g., D-allulose, D-glucosamine), hydroxycitric acid, NAD<sup>+</sup> precursors, polyamines (e.g., spermidine), polyphenols (e.g., resveratrol, dimethoxychalcones, curcumin, EGCG, quercetin) qualify as CRM candidates. Translational research on this CRMs has recently entered the clinical stage, showing functional benefits in promoting healthy aging and longevity.

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**SCHELKE Leonie**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

When to Stop Treatments With Fillers

## WHY OVERFILLED FACES RESULT IN CLONE-LIKE APPEARANCE: FILLER IN THE SMAS OR OVERFILLING IN THE SUBCUTANEOUS FATTY LAYER LEADS TO UNNATURAL APPEARANCE

Due to back flow of filler or inadvertently filler injection into the SMAS, the dynamic mobility of the zygomatic major muscle may be impaired.

This dynamic muscle impairment may lead to an unnatural appearance

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**SCHELKE Leonie**

Friday, March 31, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Ultrasound Imaging in Aesthetics

## VASCULAR ADVERSE EVENTS (VASCULAR OCCLUSION) DUE TO FILLER TREATMENTS

a possible mechanism of vascular adverse events (vascular occlusion) will be explained

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**SCHELKE Leonie**

Friday, March 31, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Ultrasound Imaging in Aesthetics

## NON INFLAMMATORY NODULES AND MALAR OEDEMA

Due to back flow of filler or inadvertently filler injection into the SMAS, nodules and migration of filler product may happen. When this also leads to compression of veins, malar edema may occur

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**SCHLESINGER Todd**

Wednesday, March 29, 2023 - from 14:30 to 16:00

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

Hot Topics in Neck Décolletage region

**COMBINATION EBD TREATMENTS FOR NECK DÉCOLLETAGE**

At the conclusion of this learning activity, attendees should be able to select an appropriate combination of energy based devices, possibly combined with dermal fillers and neuromodulators for the neck and décolletage regions. Some of the current advances and clinical trials will be discussed. Attendees should also be able to select the appropriate patient type for these treatments.

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**SCHLESINGER Todd**

Wednesday, March 29, 2023 - from 16:30 to 18:30

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

LIVE SHOW neck décolletage region

**PATIENT 2: COMBINING RF MICRONEEDLING AND COSMECEUTICALS**

This session will feature a live demo of RF Microneedling with a currently available technology. Included will be a discussion of how to employ cosmeceuticals pre-treatment, during treatment and post-treatment.

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**SCHLESINGER Todd**

Friday, March 31, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

When to Stop Treatments With Fillers

**GLOBAL REJUVENATION OF THE MIDFACE WHILE AVOIDING "FILLER FACE"**

In this talk, attendees will learn the anatomy and concepts regarding midface rejuvenation with dermal fillers via a lateral face approach. Nuances to improving the appearance of the periorbital area, cheeks, naso-labial folds and jawline will be discussed. At the conclusion of this learning activity, attendees should be able to discuss the technique of global facial optimization with dermal fillers and select the appropriate patient type.

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**SCHLESINGER Todd**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:

Skin Quality Improvement

**SKIN CARE PRODUCTS I USE IN MY PRACTICE**

During this session I will share what skin care products, combinations and routines that are regularly used in my three office full-service dermatology practice. In a combination medical and cosmetic office, it is important to be able to offer products with scientific backing, not have too many and be able to combine the best of the best from the multitude of skin care offerings on the market. What has been working and what has not!

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**SCHLESSINGER Joel**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

**MANAGING VASCULAR OCCLUSION EVENTS**

Managing a vascular occlusion event can be incredibly stressful and hectic. Planning and preparation is what can make the

difference between a successful and disastrous result. This lecture discusses two such events and the process related to a good outcome.

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**SCHUSTER Stefan**

Friday, March 31, 2023 - from 09:30 to 10:30

**AURIC 5**

Session:

Epigenetics Telomeres

**LIQUID BIOPSY - THE NEW APPROACH IN EARLY CANCER DETECTION**

Detecting cancer early as possible leads to improved outcomes and less intense treatments. Applying new blood based techniques using circulating tumor cells allows early detection of solid malignant tumors even in stage 1 tumors or earlier. More than 50.000 individuals participated in clinical trials already to validate this approach in cancer patients as well as in healthy individuals. Dependent on the type of cancer sensitivity ranges from 70-92% and comparable specificity in stage I. Prostate and breast cancer screening has gained breakthrough device designation from the FDA, the first results are expected within 2023. Here we give an overview also about real world data from high risk prostate patients.

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**SHETTY Rashmi**

Thursday, March 30, 2023 - from 09:30 to 11:45

**BOSIO**

Session:

Aesthetic Patient Consultation

**FIVE MISTAKES IN ANALYSING THE FACE FOR INJECTABLES**

in aesthetics ,it is not just about making sure the patient is safe medically but also aesthetically . over 20 years of practice and seeing outcomes from various other practices .i have put together 5 mistakes that strikes to me as a sin . i am sharing in my 10 minutes .

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**SHETTY Rashmi**

Thursday, March 30, 2023 - from 10:00 to 13:00

**NIJINSKI**

Session:

Thriving in Diversity at AMWC Monaco

**INDIAN PATIENT**

indian ... is it just one face that one can identify as indian ? are we asians ? what is the feature that makes us belong ? how do you make us aesthetically happy ? whats the type ? whats the flaw ? what is beauty ? .... lets discover . and then design our own approach towards indian faces .

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**SHETTY Rashmi**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:

Periocular Rejuvenation

**EYEBROW - THE FEATURE OF THE UPPER FACE**

yes indeed . eye brow can be a striking feature . also a difficult one . age , beauty , attractiveness , character , health all can be defined by eyebrows . how i asses , plan and go about various eyebrows to suit various needs and faces .

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**SHETTY Rashmi**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:

Skin Quality Improvement

**SKIN QUALITY IN INDIAN SKIN: CRITERIA AND TREATMENT OPTIONS**

GLOW , is an universal ask and so it is in India . so how do i reach my glow point with skin care and skin health is what i will

**SHETTY Rashmi**

Saturday, April 01, 2023 - from 16:30 to 18:00

**PRINCE PIERRE**

Session:

Neck Décolletage Rejuvenation

**BIO STIMULATORS AND NECK**

neck , the toughest of them all .bio stimulators in my hands and how i combine them with other modalities towards neck rejuvenation is what i will share in this talk .

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**SILIKOVICH Fernando**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

**VASCULAR COMPLICATIONS: ACCUTE AND CHRONIC PROTOCOL**

Vascular Complications Protocol with Hyaluronidase in two differents moments. The first one, in the emergency. The moment when the injector realase the a vascular occlusion appears. The second one in the chronic time. When we are with a patient with a necrosis.

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**SOFRA Xanya**

Saturday, April 01, 2023 - from 15:00 to 16:00

**AURIC 5**

Session:

Quality in Anti-Aging

**ESSENTIAL ANTI-AGEING: EXERCISE MODALITIES SUPPLY ENDOGENOUS MSCS FOR VITAL ORGANS' REPAIR**

Adipose tissue-derived stem cells differentiate into mesenchymal stem cells (MSCs) and hepatocytes which are involved in anti-inflammatory, reparatory, and detoxification processes reinstating liver function. Aerobic, resistance and effortless workouts have been proven to be beneficial for patients with NAFLD, possibly due to stem cells released into the bloodstream from metabolized fat during exercise-induced natural lipolysis. We analysed the serum levels of a number of variables such as ALT, AST, ALP, albumin, creatinine, bilirubin, triglycerides and CRP to determine if effortless exercise would demonstrate an improvement of the NAFLD condition that is substantially equivalent to liver repair documented after administering exogenous MSCs injections. We examined 10 prediabetic individuals with NAFLD, 5 males and 5 females 54-64 years of age, who received 15 treatments with an exercise method, invented at London University for obese individuals who have difficulty performing strenuous workouts, as well as those with limited mobility due to age or disease. The hypothesis was that the reduction of triglycerides and visceral adipose tissue (VAT) is accompanied by a natural release of adipose tissue contents into the bloodstream, supplying endogenous MSCs that differentiate into hepatocytes necessary for healthy liver function. Results demonstrated a statistically significant improvement of the NAFLD condition in ultrasonography reports along with optimal levels of ALT, AST, ALP, albumin, creatinine, bilirubin and CRP. Additional findings included a notable decrease in triglycerides, VLDL, BMI, VAT, and cortisol, accompanied by increased testosterone, BMR, and muscle mass. Our results replicated previous studies which documented a significant repair of hepatic steatosis in ultrasonography reports after using this effortless exercise regimen. The current clinical study strongly suggested the involvement of endogenous MSCs that are vital in organ repair. Reducing VLDL, VAT and triglycerides optimizes health, setting the conditions for the reparative process to commence. The possibility of endogenously released MSCs as a result of an exercise method is a new perspective with very little past research, therefore, more clinical studies focusing on this hypothesis are warranted. Demonstrating the production of endogenous MSCs via an exercise modality will introduce novel treatments for metabolic disorders without the adverse effects often observed after stem cell injections or invasive and trauma-based procedures.

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**SOLISH Nowell**

Saturday, April 01, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Toxin: Trends and Outcomes

**PRABOTULINUMTOXINA VERSUS ONOBOTULINUMTOXINA IN MALES**

To compare the efficacy and safety of prabotulinumtoxinA and onabotulinumtoxinA for the treatment of males with moderate

to severe glabellar lines. Results show that the percentages of responders who had a  $\geq 1$ -point improvement on the GLS at maximum frown by investigator assessment were higher at all post-baseline time points for prabotulinumtoxinA-treated males than for onabotulinumtoxinA-treated males ( $p > 0.05$  at all visits), by an absolute overall mean difference of 10.1% across all visits.

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## **SPADA Julieta**

Saturday, April 01, 2023 - from 09:00 to 10:30

**PRINCE PIERRE**

Session:

"MY BIGGEST MESS UP" - COMPLICATIONS PANEL

### **INTERNATIONAL FACULTY CASE BASED COMPLICATIONS PANEL - EACH PANELIST PRESENTS 1-2 CASES FOR DISCUSSION.**

2 clinical cases will be discussed with the rest of the panel:

1 alopecia in a patient treated with fillers in the temporal fossa and in the superficial superior temporal fat compartment.

1 nasal internal ischemia in the nasal septum without any external, visible signs and a late development of symptoms.

How these clinical cases manifested themselves, clinical features and possible causes. Their respective responses to the treatments, evolutions and follow ups will be shown and discussed.

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## **STARACE Michela**

Friday, March 31, 2023 - from 11:00 to 13:00

**BOSIO**

Session:

Hair Restoration Agenda - Non-Invasive Treatments for Hair Loss

### **IS ORAL BIOTIN EFFECTIVE IN TREATING HAIR LOSS?**

Biotin, also known as Vitamin B7 or Vitamin H, is a hydrosoluble vitamin of group B, called "essential", as it must be introduced with food, so that the body can synthesize it. Foods that contain high biotin include for nuts, legumes, whole grains, brown rice, and egg yolk. A certain amount of biotin is also a product of by intestinal bacterial flora.

Biotin taken orally is absorbed completely, even at high doses, with 100% bioavailability. Local absorption is also possible with skin application of ointments of a high vitamin content.

The importance of biotin was first observed when rats without biotin in their diets developed neuromuscular dysfunction, alopecia, and dermatitis because of an excessive consumption of egg white that binds to biotin and blocks its absorption. The importance of biotin for the normal function of different organs and tissues is more important because it is a co-factor of different ATP-dependent carboxylase located in the mitochondria and cytoplasm, such as neoglucogenesis, the synthesis of fatty acids and the catabolism of amino acids.

The clinical indications for the administration of biotin are numerous, all substantiated in the literature, and include metabolic, infectious and neurological diseases and skin appendages diseases. The majority of the biotin therapeutic indications derive from observation of symptoms in the deficient states, their disappearance after vitamin administration and the subsequent evidence of the clinical effects of biotin intake in normal people.

The therapeutic doses of biotin are variable based on the pathology to be treated.

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## **STARACE Michela**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

### **IS THERE EVIDENCE FOR BIOTIN, DUTASTERIDE AND OTHER TYPES OF MESOTHERAPY?**

Mesotherapy - or intradermotherapy - is a non-surgical procedure, consisting of multiple intradermal injections of pharmacological substances diluted in small doses. The most important hair disease where mesotherapy is indicated is androgenetic alopecia. Routes of administration of approved drugs have been proposed to enhance therapeutic results for AGA, including oral use of minoxidil and intradermal injections of minoxidil, finasteride, and dutasteride. The tissues on which the biotin has the greatest physiological activity are the central nervous system and the skin, including the skin, the nails and the hair and it is the skin that benefits most from the supplementary administration of this vitamin. The key role of biotin in protein synthesis and more specifically, in the production of keratin, explains its contribution to the growth of healthy nails and robust and resistant hair. Biotin deficiency causes periorifice dermatitis, associated with alopecia and often with Candida superinfection. The cause of dermatitis is probably fatty acid deficiency resulting in the lack of the biotin-dependent carboxylase enzyme function. Usually biotin is taken by oral administration. Poor studies are reported with mesotherapy.

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**STERLING J. Barton**

Thursday, March 30, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:

Combining Peeling with Injectables, EBD and Other Modalities for Optimal Results

**DEEP CHEMICAL PEELING COMBINED WITH ELECTRODESICCATION, LIQUID NITROGEN, DERMABRASION AND SNIP EXCISIONS**

Learn additional tools often used during chemical peeling. Commonly, small growths and lentigos are treated with electrodesiccation and liquid nitrogen. Dermabrasion or dermasanding to treat scars. And scissor skin snips to tighten the upper eyelids.

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**STERODIMAS Aris**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS

**PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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**STERODIMAS Aris**

Thursday, March 30, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Regenerative Medicine Course Session 1: Regenerative Aesthetics - Claims, Evidence and Reasoning

**THE USE OF MICRO, MILLI NANOFAT FOR FACIAL REJUVENATION**

Facial fat transfer has evolved from simple grafting techniques to smaller lobule (microfat) and adipose-derived stem cell (nanofat) injection techniques. These new methods look to overcome the early limitations of facial fat transfer while meeting increased demand and understanding of the role of volume loss in facial aging. The purpose of this presentation is to present basic principles of microfat and nanofat and demonstrate their application for facial rejuvenation.

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**STERODIMAS Aris**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

Regenerative Medicine Course Session 2: Face of the Future - Regenerative Tools, Techniques and Applications

Facial aging presents a challenging problem for plastic and aesthetic surgeons; it is a multifactorial, multistep process that involves structural and volumetric changes in the skin, muscles, skeleton, and adipose tissue. Facial tissue descent is caused not only by gravity, but also by the reabsorption and repositioning of the facial adipose system. Facial rejuvenation with autologous fat has the advantage of replacing or augmenting tissue with like tissue. Autologous fat transplantation to the face can correct cosmetic defects that are caused by loss of subcutaneous tissue, such as atrophy of the face due to significant weight loss, wrinkles and facial involution due to aging. Clinical use of autologous fat grafts for facial soft-tissue augmentation has grown in popularity in the plastic surgery community in the past 10 years. Regenerative cell-based strategies such as those encompassing the use of stem cells have shown that autologous Adipose-Derived Stem Cells (ADSCs) offer the possibility of finally fulfilling the key principle of replacing like with like as an aesthetic filler. ADSCs are multipotent mesenchymal stem cells that display regenerative capacity by the paracrine release of growth & differentiation factors. ADSCs are responsible for the rejuvenation capabilities of fat grafts, and their use has shown lower reabsorption rate due to improved angiogenesis and reduced inflammatory response. In Stromal Enriched Lipograft (SELT™), ADSCs are used in combination with

**SULAMANIDZE George**

Friday, March 31, 2023 - from 11:45 to 13:00

**PRINCE PIERRE**

Session:

Threads: Focus on Neck

### **V-SHAPE FOR ASIAN FACE WITH THREAD METHODS**

Background. Removal of involuntal alterations in the lower face and neck is an important component of rejuvenating operations, manipulations, and procedures performed on the face.

It is considered that aesthetically advantageous contours of the region concerned are created at the expense of mobilization, displacement and fixation of the skin and underlying tissues in the posterolateral direction, liposuction of the submaxillary and mental regions, as well as median platysmoplasty.

Objective. Working out new minimally invasive methods of lifting flabby soft tissue of the lower face and neck, their combination with the classical techniques for efficient minimally traumatizing treatment of patients suffering from pronounced involuntal manifestations in the area involved.

Materials and methods. Suggested herein is an original technique of subcutaneous suturing through, with no cuts (or with tiny incisions) and mobilization of the skin by means of the Aptos methods (Aptos Thread, Aptos Thread 2G, Aptos Needle, Aptos Needle 2G) which, if required, simultaneously with the classical rejuvenating interventions makes it possible to obtain qualitative long-lasting lifting of soft tissues of the lower face and neck.

Results. Presented herein are the outcomes of the above-mentioned operations and manipulations carried out from 2018 in 500-odd patients undergoing removal of visible signs of ptosis of soft tissues of mental and submental areas of the face and neck, including correction of the jawline and chin.

Good and satisfactory outcomes were obtained in the majority of cases. Mild complications encountered did not tell on the overall favourable postoperative outcomes.

Conclusion. The suggested approaches to removing the signs of an ageing face in its lower portion, as well as of the neck are simple to perform, safe and efficient.

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**SULAMANIDZE George**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

### **HOW TO AVOID SIDE EFFECTS AND COMPLICATIONS DURING THREAD LIFTING**

Background. Aesthetic surgery and dermatology have proposed hundreds of methods aimed at removing visible manifestations of the aging face. However, as is typically the case when there are several different techniques to improve the same problem, none of these approaches has stood the test of time and become favoured.

Neither can a new method of the rejuvenating surgical technique by means of the barbed threads lay claim to provide a total solution of aesthetic problems of the ageing face.

Having studied the available literature, we noted that the number of complications associated with this technique is usually underestimated, their causes appear to be explained erroneously, hence followed by drawing incorrect conclusions.

Aim. To analyse complications, side effects, undesirable events and poor outcomes associated with the method of lifting soft tissues of the face and neck by different variants of thread-mediated lift, obtained by the specialists from our Clinic, submitted to us from other clinics, as well as reported by doctors from different countries.

Materials and methods. Based on analyzing a total of 600 cases taken from the clinical archives, with 100 clinical record forms chosen randomly for each year from 2018 through 2020, we carried out a statistical study of various types of complications and problem events involved. Besides, analyzed were all similar cases reported to us by our colleagues from other clinics, thus making it possible to reveal the causes of these complications and work out appropriate measures aimed at prevention and treatment thereof.

Conclusions. Long-term practice and comprehensive studies showed that this technique has its intrinsic indications, properties, and principles of its own, and failure to take them into due consideration may result in more or less severe complications, adverse reactions, side effects, and troublesome problems.

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**SULAMANIDZE George**

Saturday, April 01, 2023 - from 14:00 to 16:00

**SALLE DES PRINCES**

Session:

Threads: Focus on Eyebrows

### **THREAD RHEOLOGY. HOW AND WHY IT IS CRUCIAL. DIFFERENT THREADS, DIFFERENT COMPOSITIONS, DIFFERENT EFFECTS**

Introduction.

Recently, thread lifting methods are more widely applied in dermatology and aesthetic surgery areas. The main idea of thread

lifting was always fighting against soft tissues sagging - Anti ptosis. But there is not enough just shift the tissues mechanically for total face rejuvenation, it is required to influence the skin structure and quality as well. Unfortunately, chemical composition of the offered threads in the market (PDO, PDS, PGA, PLA, CL, Polypropylene, Silicone) is not provided with the required effect. As of today, the best substance for this matter is hyaluronic acid. Knowing this fact, almost every specialist is combining thread lifting procedure with hyaluronic acid injections.

Materials and methods.

Since 2016, we apply P(LA-CL) threads with hyaluronic acid additionally in the thread composition (thread formula looks as P(LA-CL)HA). We have performed more than 100 procedures for 55 patients. During this period some patients underwent the procedure twice or more. Mainly, threads were injected in the middle and lower face thirds per 5 threads per each side. Diameter of the thread is 2/0 with multi-directional barbs.

We have also performed histological researches in rats comparing P(LA-CL) threads and P(LA-CL) threads with hyaluronic acid addition in the thread composition. The research lasted 1 year.

Results:

Histological researches of P(LA-CL) threads and P(LA-CL)HA comparison have provided with the following results in favour of threads with hyaluronic acid:

- Decrease of inflammatory process and joint capsule around the thread
- Decrease of elastin around the thread from the first week of implantation
- Increase of I and III type of collagen for 55% and 20% accordingly

This research and the results in patients have showed the application of thread with hyaluronic acid hastens rehabilitation process after the procedure, excludes risk of subcutaneous scars appearance, increases development of elastin and collagen naturally influencing upon skin quality and structure. Application of threads with P(LA-CL)HA chemical composition and multidirectional barbs allows to receive as effect of replacing and soft tissues reposition as improvement of skin quality and structure.

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**SUNDARAM Hema**

Thursday, March 30, 2023 - from 09:30 to 11:25

**PRINCE PIERRE**

Session:

**TOXIN TALK - EMERGING TECHNIQUES, TECHNOLOGIES AND THINKING**

### **20 YEARS OF TOXIN TRIALS - A SYSTEMATIC REVIEW OF US FDA PIVOTAL STUDIES WITH NEEDS ASSESSMENT AND GLOBAL ANALYSIS**

Introduction: Botulinum toxin type A (BoNTA) injection represents the most popular nonsurgical cosmetic procedure performed worldwide with an increasing number of available products.<sup>1,2</sup> Those that are approved by the United States (US) Food and Drug Administration (FDA) have undergone rigorous, multi-phase evidence level I clinical trials to determine appropriate dosing and quantitatively evaluate safety, efficacy and tolerability. With rising demand for botulinum toxins comes a greater diversity of patient populations seeking treatment with respect to age, Fitzpatrick skin phototype, ethnicity, sociocultural considerations, and gender.<sup>2</sup>

Methods: A primary literature search for phase 2 and 3 pivotal trials of botulinum toxin type A for cosmetic indications was conducted according to the PRISMA reporting guidelines.

Results: Comparisons of study design, participant characteristics, experimental variable(s), outcome metrics and adverse events were performed, tabulated and analyzed.

Conclusion: This first-of-its-kind retrospective analysis serves as a new resource for direct comparison of the robust trials conducted to obtain FDA approval of cosmetic neuromodulators. It also highlights the need for more ethnoculturally diverse data that matches the evolving demographics of patients seeking toxin treatments, requisite standardization of meaningful outcome metrics, limits of extrapolation, and potential failure to capture full dose-response effects. This research may stimulate discussion re study design while raising the evidence level for aesthetic applications of BoNTA globally.

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**SUNDARAM Hema**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

**REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS**

### **PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.



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**SUNDARAM Hema**

Saturday, April 01, 2023 - from 16:30 to 18:00

**BOSIO**

Session:

Minimally Invasive Surgery: Face - Part 3

**EBD FACE: MEDICAL EVIDENCE ON TECHNOLOGIES SIDE EFFECTS ON TISSUES**

The evidence of many laser applications will be highlighted during an oral presentation along with some hints about the possible side effects and how to avoid.

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**TECHAPICHETVANICH Thanya**

Friday, March 31, 2023 - from 15:00 to 16:00

**AURIC 4**

Session:

Battling with Melasma: Lesson learned from ICAD Thailand

**TELANGIECTATIC MELASMA: HOW TO TREAT?**

Background: Melasma is a pigmentary disorder commonly observed in Asians. Although the pathogenesis of melasma is not fully understood, several hypotheses supporting angiogenic factors may play a role in melasma development. The appearance of telangiectatic melasma, a possible subtype of melasma, is often found in female Asians. However, case reports and their management have rarely been described in the literature.

Objective: We evaluated the efficacy and safety of long-pulsed 532 and 1064 nm Nd:YAG laser for the treatment of melasma with telangiectasia in Asians.

Materials and Methods: Twenty-five women with telangiectatic melasma were enrolled in this study. All subjects were treated with an LP-Nd:YAG 1064 nm laser on their whole face and were randomized to be treated with an LP-Nd:YAG 532 nm laser on only one side of their face. The protocol was performed for a total of three sessions at 1-month intervals. Changes in facial hyperpigmentation and telangiectasia were evaluated using a skin colorimeter, VISIA® imaging, a modified Melasma Area Severity and Index score (mMASI score), self-assessment by the patients, and blinded physician assessment. Participants were followed until twelve weeks after the last treatment and adverse events were evaluated during the study period.

Results: The median age of the participants was 49 (range 33-59) with Fitzpatrick skin types III, IV, and V. Although both treatments showed trends in lightening pigment and reductions in the mMASI scores, the combination treatment showed significant improvements at week twelve (p

Conclusions: This study demonstrates that the combined 532 + 1064 nm treatment has the potential to be a good alternative for the treatment of melasma with telangiectasia in Asian women, showing improvement with only a few treatment sessions.

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**THORNTON Julie**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:

Hair Restoration Agenda - The Hair Follicle

**CAN HAIRS SEE AND SMELL?**

Olfactory receptors and photoreceptors have been identified in atypical tissues including human skin and hair follicles. The olfactory receptor OR2AT4 is expressed in keratinocytes and outer root sheath cells of the human hair follicle. OR2AT4-mediated signalling promotes keratinocyte proliferation and prolongs human hair growth ex vivo by stimulating production of IGF-1 and prolonging anagen. Members of the light sensing opsin (OPN) receptor family have also been identified in non-visual tissues including human skin keratinocytes, fibroblasts, and melanocytes, as well as human hair follicles. Anagen hair follicles express OPN2 and OPN3. Ex vivo studies have shown that anagen can be prolonged by blue light via interaction with OPN3 expressed in the outer root sheath cells. In many species blue light activates cryptochromes (CRY), proteins which have also recently been identified in human skin and hair follicles. In culture systems blue light induces accumulation of CRY1 in human keratinocytes and the hair follicle. The silencing of CRY1 initiates catagen in ex vivo hair follicles, while its stimulation prolongs anagen. The presence of olfactory and photoreceptors in the hair follicle and their ability to regulate physiological cell functions provides potential new avenues to treat hair disorders. Recently there has been a substantial expansion in studies to acquire an understanding of the role of the skin and hair microbiome in skin and hair physiology. While the role of the microbiome and/or mycobiome in photo-biomodulation of human skin and hair is unknown, photoactivation of CRY proteins by blue light is a well-established reaction regulating the physiology of fungi and bacteria. In addition, Demodex folliculorum, a tiny parasitic mite living in or near hair follicles thought to provide defence against pathogenic bacteria, responds to light by receding into the follicle during the day.

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**THORNTON Julie**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

**WHAT DO WE KNOW ABOUT HAIR AGEING AND CLOCK GENES?**

Cells, including those of human skin and hair follicles, exhibit circadian rhythms that allow them to optimise cellular functions and meet environmental challenges. Hair follicles express clock genes that can be controlled by both the central circadian system and extrinsic factors, e.g., light. These clock genes are known to contribute to the regulation of the hair cycle, to pigmentation, and to ageing. Ex vivo human hair follicles, clearly isolated from the central circadian system, still exhibit circadian changes in the expression of core clock genes namely, CLOCK, BMAL1, and Period1. The knockdown of either BMAL1 or Period1 in ex vivo human anagen hair follicles can significantly extend anagen, demonstrating that peripheral clock genes are a central element of the human hair cycle. In many tissues dysregulation of clock mechanisms results in high levels of ROS and oxidative stress. In the skin disruption of clock gene expression can be induced by UVB irradiation. While ageing is a complex process, there is mounting evidence for an association between the circadian clock and the ageing process. While ageing is associated with increased oxidative stress, the correlation with the circadian clock is still not fully understood. Circadian rhythms are present in almost all living organisms. While the gut microbiota displays rhythmicity little is known about the skin and hair microbiome and the changes that occur with age.

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**THULESEN Jesper**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:

FOCUS ON EYELID PTOSIS AFTER TOXIN TREATMENT

**PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

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**THULESEN Jesper**

Friday, March 31, 2023 - from 14:15 to 16:15

**SALLE DES PRINCES**

Session:

Periocular Rejuvenation

**SMALL INCISIONAL POSTTRICHIAL EYEBROW-TAIL LIFT - FAST AND SIMPLE WITH ROBUST OUTCOME**

Objectives: The demand for more open and well demarcated eye surroundings is high, but the surgeon often meets a physical barrier due to low position or drooping of the eyebrows. These changes due to gravitational and involuntal forces are most pronounced laterally at the brow tail level due to lack of tissue support with ageing.

Introduction: Here we describe a variation of the posttrichial browlift procedure that has several advantages: minor discomfort, rapid procedure in local anesthesia, short learning curve, no visible scars, pronounced, and robust results.

Materials / method: Preoperatively, one incision line of appr. 5 cm is marked in the upper forehead just posterior to the hairline parallel to the eyebrow tail on each side. After incision with a blade no. 15 scalpel beveled at 70° to the subcutaneous level, peri-incisional undermining with a tenotomy scissor, and then submuscular with a forehead elevator of the lateral forehead region distally to the level of the eyebrow tail is performed. A gaze moistured with saline-epinephrine solution is used as a tamponade into the cleavage for a few minutes, while an incision of appr. 1.5 cm is performed in the mid-part of

Results: Follow-up evaluation is four-to-five-month postoperatively, but earlier in cases with a need for a supplementary upper blepharoplasty procedure.

Conclusion: The method provides aesthetic pleasant results that are reproduceable, predictable, and long-lasting.

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**THULESEN Jesper**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:

Aesthetic Complications

**OVERVIEW OF COMPLICATIONS WITH HA-FILLERS**

The facial changes that develop through ageing relate to multiple processes that seem overwhelming and complicated. Interestingly, they generally follow predictable patterns that can be divided into structural, volumetric, and suspensory alterations. A sound knowledge for the aesthetic injector about these processes can be used strategically to optimize the

rejuvenation of the patient. This presentation will provide an overview of the "pre-programmed" age-related facial changes which can be used to target and construct treatment plans with hyaluronic acid (HA) containing-fillers to obtain the most efficient outcome with specific focus on reversal of volume deflation and weakening of the facial suspensory apparatus. Injection techniques to provide facial volume restoration and anti-gravitational effects by strategically correct placements of HA-fillers will be shown.

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### **TIRYAKI Tunc**

Thursday, March 30, 2023 - from 16:30 to 18:30

**CAMILLE BLANC**

Session:

**REGENERATIVE MEDICINE COURSE SESSION 2: FACE OF THE FUTURE - REGENERATIVE TOOLS, TECHNIQUES AND APPLICATIONS**

#### **PANEL DEBATES: EVIDENCE-BASED SUMMARY PRESENTATIONS INCLUDING CHALLENGES AND CONTROVERSIES ON GROWTH FACTORS, CYTOKINES AND STEM CELLS - EXOSOMES - INJECTABLE GELS AND MEMBRANES - TROPOELASTIN - MESSENGER AND MICRO RNA - GENE THERAPY**

discussion of therapeutic advances in the realm of regenerative aesthetics with debate over how to analyze the potential of pipeline products as well as understand the challenges in development and implementation.

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### **TIRYAKI Tunc**

Thursday, March 30, 2023 - from 16:30 to 17:30

**AURIC 5**

Session:

**New Approaches to Anti-Aging**

#### **STEM CELLS, EXOSOMES ANTI-AGING IN PLASTIC SURGERY**

Stem cell enriched fat injections in plastic surgery

Autologous fat transplantation is increasingly being used for a variety of cosmetic indications. However, the long-term predictability of volume maintenance remains a limitation of fat transplantation, especially in cases of high volume transplantations. To overcome the problems associated with autologous fat transfer we use enzymatic or mechanically isolated autologous ASCs to enhance angiogenesis, improve the survival rate of grafts, and to reduce postoperative atrophy.

Method: Once obtained, the first part the lipo-aspirated fat is digested and ADSC isolated. While the cell separation takes place, the major fat aspiration, transfer and tissue reshaping is done simultaneously. Using mechanic or enzymatic cell separation techniques the ADS's are obtained and injected, using the recently transferred fat as a living scaffold.

Results: This technique was applied in selected 481 patients between 2008 and 2020 with a follow-up changing from 8 months to 10 Years. The patients either needed large volume fat transfers or underwent previous traditional lipoinjection procedures without satisfactory results as well as for cosmetic reasons. Cell-enriched grafts ranged in volume from 10 to 390cc per recipient area.

Exosome Abstract

Already back in 2001 we have learned that we could harvest stem cells from fat tissue. Since then, many different methods have been created to isolate our own stem cells and use them for different medical problems and diseases. However, if we take a close look into the mode of action of these cell treatments, we find out that these stem cells do not only fill defects or reinforce the host area. What they also do is to send messages or orders out to the local cells to regenerate. These messengers carrying orders of anti-inflammation and regeneration are called exosomes.

Exosomes are messenger particles that release naturally from a cell. These particles are responsible for cell-to-cell communication. Exosomes carry genetic information and proteins to cells throughout your body, and they create paths for communication between cells. Also known as are extracellular vesicles (particles that release naturally from a cell that cannot replicate) that are responsible for cell-to-cell communication. Exosomes are released naturally from cells upon the fusion of a discontinuous closed membrane system, also known as the intermediate endocytic compartment.

However, as they look miraculous, they are not available on the market, mostly because any exosome or expanded MSCs related treatments are not authorized by the FDA in the United States. Investigating other alternatives to human derived GMP based exosomes, we would see that we can harvest exosomes from many different sources, from bacteria to plants and animals. Our research suggests that the usage of calf cord blood derived exosomes are easily stabilized and are taken up by human cells are capable to increase collagen production. Increase the speed of wound healing in cell cultures and prevent cell death.

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### **TOWNSEND-NICHOLSON Andrea**

Friday, March 31, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:  
Virtual Humans and AI - The Future of in silico Biomedicine

### **VIRTUAL HUMANS, SUPERCOMPUTERS, HEALTH AND WELL BEING**

Imagine assembling a silicon twin for every person using their digital health and biological data, from the whole genome sequence to their skeletal architecture. Imagine possessing the ability to make predictions not only of disease progression and outcomes but also the therapeutic effects of treatment-options and interventions - and the means of testing the impact of different lifestyles and treatments to select the ones that give us the preferred outcome. This digital twin could be used to make informed decisions that range from the treatment of disease to improving quality of life and, ultimately, will greatly inform the design of clinical trials so that these could be faster and safer. The age of Virtual Humans is dawning, providing each of us and our physicians with the opportunity to actively manage our health and well-being. This session will describe the state of the art in the building of digital avatars and will explore those aspects most relevant to aesthetics and ageing and how they can be incorporated into the Virtual Human.

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**TRAWINSKA Julia**

Thursday, March 30, 2023 - from 14:00 to 16:00

**BOSIO**

Session:  
AESTHETIC DISRUPTORS: Young-Career Innovators from Around the World

### **INNOVATIVE, PERSONALIZED THERAPY FOR THE TREATMENT OF INFLAMMATION, PERSISTENT OVERWEIGHT AND ABDOMINAL OBESITY IN PEOPLE OVER 40 YEARS OLD**

This lecture summarizes a study on an innovative therapy's efficacy, with case examples of 62 patients who received the treatment. Visual documentation of patients' progress through photographs taken before, during, and after the therapy is included, along with statistical data presented through tables and graphs that illustrate the therapy's impressive results.

The lecture's main focus is on a revolutionary approach to treating persistent overweight in patients over 40 with abdominal obesity. The approach targets chronic inflammation using personalized epigenetics-based therapy, which has shown remarkable results in the presenter's experience with patients, achieving a synergy effect that cannot be achieved through other methods. The therapy also has the added benefit of slowing down the aging process in almost all body cells, without any risk of complications.

Statistical data will be presented using tables and graphs to confirm the effectiveness of the therapy. The lecture will discuss how the field of anti-aging medicine has increasingly recognized the importance of addressing underlying processes of premature aging, beyond just visible symptoms such as skin or hair problems. Key questions to be answered include how to achieve inner rejuvenation and a shapely figure for those over 40, and how personalized, multifactorial therapy achieves a success rate of 98%.

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**TREACY Patrick**

Friday, March 31, 2023 - from 16:30 to 18:30

**PRINCE PIERRE**

Session:  
Aesthetic Complications

### **OBJECTIVE: TO EVALUATE THE EFFICACY OF USING THE IMMUNOSUPPRESSANT METHOTREXATE TO TREAT COVID VACCINE RELATED DELAYED ONSET NODULES**

Introduction: During the COVID-19 pandemic, dermal fillers made world headlines as it was reported that patients who had cosmetic fillers experienced side effects after receiving vaccines that utilised both viral vector and mRNA technology. Initially the Moderna mRNA-1273 vaccine trial reported an incidence rate of facial swelling of 0.02% after receiving the vaccine, and later similar effects were noted from both the AstraZeneca and the Pfizer/BioNTech COVID-19 vaccine. The exact mechanism was thought to be due to Type IV hypersensitivity causing foreign body granulomas. These problems appeared globally and were initially treated with antihistamines, 5-fluorouracil, hyaluronidase and intralesional steroids. However, the medical world also experienced a cohort of patients unresponsive to any established treatment protocols and we proceeded to solve the problem

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**TREMP Mathias**

Thursday, March 30, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:  
Medical Rhinoplasty

### **QUALITY OF LIFE (QOL) AND OUTCOME AFTER PRESERVATION RHINOPLASTY (PR)**

Background: Rhinoplasty is a challenging procedure, and the ultimate goal is not only to restore the function and youthful

appearance, but also to improve the quality of life (QoL). Little is known about the QoL after preservation rhinoplasty (PR). The aim of this study was to assess patient satisfaction after PR by using a validated questionnaire.

Patients and methods: Patients undergoing primary PR were included in this prospective cohort single-centre (private) study. Overall, 58 patients (41 female and 17 male patients, mean age  $32 \pm 9.7$  years) were operated on between 2017 and 2021. Patient assessment regarding their outcome was evaluated before surgery and at final follow-up using a validated questionnaire (Rhinoplasty Outcomes Evaluation Questionnaire = ROE). Subgroup analyses were performed between the ROE questions and radiological analysis by using the cone-beam computed tomography (CT) before surgery and at final follow-up.

Results: After a mean follow-up of  $19.7 \pm 7.9$  months (range = 1-50 months), a high overall patient satisfaction was observed ( $37.9 \pm 9.2$  vs.  $81.25 \pm 14.17$ ,  $p < 0.0001$ ). Subgroup analysis showed the highest improvement in nose appearance, breathing, and self-confidence after surgery. The improvement of subjective breathing ( $1.471 \pm 0.90$  vs.  $3.1 \pm 0.88$ ;  $p < 0.0001$ ) goes in line with an overall improved internal nasal valve (INV) angle ( $19.88^\circ \pm 3.3^\circ$  vs.  $22.04^\circ \pm 4.1^\circ$ ,  $p = 0.0231$ ).

Conclusions: Our study showed a high patient satisfaction after PR as evaluated by the ROE, which goes in line with aesthetics and function.

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## **TSIVTSIVADZE Mariam**

Thursday, March 30, 2023 - from 14:00 to 16:00

**BOSIO**

Session:

**AESTHETIC DISRUPTORS: Young-Career Innovators from Around the World**

### **ROUND EYE SYNDROME, MODERN APPROACHES, AND TREATMENT METHODS**

Introduction: While performing aesthetic lower blepharoplasty, patients usually set a goal to remove the maximum amount of excess skin and at the same time leave the shape of the eye unchanged. However, simultaneous fulfilment of both of those conditions is complicated, therefore a moderate amount of the excess skin has to be removed in order to avoid "round" eye syndrome or eversion of the lower eyelid. In addition, patients quite often ask to eliminate the already existing deformations of the lower eyelids of this kind.

Goal. To investigate in clinical practice the classical methods of prevention and treatment of the "round" eye syndrome, as well as to develop new methods that could be more effective in similar cases.

Materials and methods. To eliminate deformities of the lower eyelid of congenital, iatrogenic, traumatic and neurological etiology, as well as to prevent such deformities in blepharoplasty, along with the known methods, we used the a thread lifting method on the edge of the lower eyelid throughout, and strengthened it with special thread methods and thread bridge-like spacers.

Results. The application of the proposed method allowed us to improve the results of the treatment of patients with ptosis of the external canthus, ectropion, cicatricial deformities of the lower eyelid, in the presence of weakness of the lower eyelid margin, as well as undesirable consequences after unsuccessful blepharoplasty. In almost all cases, it was possible to obtain a good or satisfactory stable effect.

Conclusion. In our experience, the presented technique is quite effective in eliminating lower eyelid deformities and can be successfully used in presence of certain indications

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## **TURKEYVYCH Oleksandr**

Thursday, March 30, 2023 - from 09:30 to 10:45

**CAMILLE BLANC**

Session:

**Evolution of Dermal Fillers**

### **FROM FILLING TO BIO-REGENERATION - 25 YEARS LONG WAY**

During last decades we have totally changed our approach to the face rejuvenation - from just filling to the changing of the quality of soft tissues

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## **TURKEYVYCH Oleksandr**

Friday, March 31, 2023 - from 09:00 to 10:30

**AURIC 4**

Session:

**Scars - New experience from Ukraine and worldwide**

### **NEW FORCED EXPERIENCE IN POST-TRAUMATIC AND BURN SCARS COMBINED TREATMENT FROM UKRAINE**

Due to the fact of Russian aggression a lot of innocent civilians are receiving injuries. We have organised the biggest charity project in Ukraine to help to the victims of the Russian aggression, who suffered from burn and traumatic scars.

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**TURKEYVYCH Oleksandr**

Saturday, April 01, 2023 - from 16:30 to 18:00

**PRINCE PIERRE**

Session:

Neck Décolletage Rejuvenation

**NOVEL WAY OF NECK/DÉCOLLETAGE REJUVENATION - COMBINING INJECTABLES AND EBD**

Skin wrinkling is one of the most prominent signs of aging skin and one of the most important targets in antiaging therapy. Mechanically, human skin appears as a multilayer composite containing the stiff thin cover layer of stratum corneum (SC) followed below by layers of viable epidermis and dermis and further below by much more compliant layer of subcutaneous white adipose tissue (sWAT). Skin wrinkling must be substantially dependent on the quality of the interfaces between the single skin layers, especially of the epidermal-dermal (ED) and dermal-subcutaneous (DS) junctions

It is known that epidermal HA content reduced in photo-damaged skin of older subjects compared with that in younger subjects whereas HA secretion from cultured keratinocytes increased with aging, but not with UVB exposure. Because the basement membrane at the DEJ is impaired by UVB exposure, it was hypothesized that the basement membrane acts as a physical barrier to retain HA in the epidermis.

We have try to treat patients with different protocols and now we propose next: there is no sense in higher depth of RF needling then 1-1,2 mm on the face, neck and decollate and 2,5-3 mm on the body when we are talking about rejuvenation; Collagen that can be induced as a result of needling trauma is non-stable; Mild hyperthermia and mechanical stimulation can provide modulation of Cav-1; Improvement of the skin quality after Microneedling Radiofrequency is the result of electro-mechanical influence on BM and dWAT; new collagen appearance can be induced as a result of combination the injectables and mechanical stimulation and it will be much more stable.

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**TURKEYVYCH Oleksandr**

Saturday, April 01, 2023 - from 16:30 to 18:00

**NIJINSKI**

Session:

Radiofrequency

**MICRONEEDLE RF - DEPTH, JOULE HEATING, FAT AND DERMIS: WHAT ELSE ARE WE WRONG AND WHAT WE DON'T KNOW?**

What is really important and useful in Microneedling RF - depth, heating, electromechanical influence- will be analysed in the lecture

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**VACHON Ginny**

Saturday, April 01, 2023 - from 16:30 to 17:15

**CAMILLE BLANC**

Session:

You Should Write That Up! How to Write a Great Paper: From Idea to Author's Proofs

**HOW TO WRITE A GREAT PAPER: FROM IDEA TO AUTHOR'S PROOFS**

Aesthetics is a unique field in that smaller, single-center studies are a critical component of supporting evidence-based practices and expert experience is a primary driver of innovation and excellence in patient care. Given the importance of the medical literature in sharing these types of information, familiarity with best practices in publications is a must. This discussion is for anyone interested in learning more about the process of writing and publishing. Whether you find yourself staring at a blinking cursor, wondering how it is that anyone manages to write papers, perplexed by author responsibilities and ethics in publishing, or questioning what a medical writer is in the first place, this talk will help you to learn more about how to publish a paper (including things you may not know you don't know). We will discuss multiple aspects of writing and publishing a great paper, from the perspective of a busy physician and a professional writer. Topics will include successful habits for writing, how to navigate the iterative and sometimes frustrating parts of the publishing process, and what to do if writing is just not your medium. The discussion will also include insights collected from biostatisticians, publishing and medical affairs leads from industry, and editors-in-chief from several leading journals in aesthetics.

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**VAN LOGHEM Jani**

Thursday, March 30, 2023 - from 17:45 to 18:45

**NIJINSKI**

Session:

THE POWER OF SKIN REJUVENATION AND REGENERATIVE AESTHETICS.

**THE POWER OF SKIN REJUVENATION AND REGENERATIVE AESTHETICS.**

The new dawn of regenerative aesthetics is with us. Join us to discuss how we can understand what regeneration truly is and

how we can create healthy tissue which is both structurally and functionally regenerated. Based on the newly published JCD supplement "Regenerative Aesthetics" this symposium will introduce the concept of regenerative scaffolds and look at hands-on practical techniques of regeneration in action.

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**VERNER Ines**

Friday, March 31, 2023 - from 09:00 to 10:30

**POULENC**

Session:

**NAVIGATING THE LANDSCAPE OF SELFIES, SOCIAL MEDIA, AND REALISTIC EXPECTATIONS AMONG AESTHETIC PATIENTS**

**SOCIAL MEDIA, SELFIES, AND BODY IMAGE AMONG AESTHETIC PATIENTS**

Today the world is in a constant state of flux. Social media has become more than just a form of communication. It is central to most people's lives and their connection to friends, family and colleagues. Thus, channels from Meta to TikTok have morphed into extremely influential platforms for practitioners and patients alike. In a post-pandemic world, it can be challenging for many aesthetic patients to navigate these platforms and absorb all the information they are presented with. It has been suggested that this may be contributing to the rise in mental health issues that have emerged across the globe.

This diverse panel of physicians from the US, UK, and Middle East, will explore how social channels, selfies, and body image are impacting the patients who come to their practices. What are the key influences on aesthetic patients in today's market? How have these powerful channels changed the way aesthetic physicians practice? How may the onslaught of AI-powered chatbots affect the way patients communicate and manage their expectations? The panel will have a lively discussion to explore the good, the bad and the ugly side of social media and discuss the key strategies they employ in their practices to manage patients in the ever-changing world of digital media.

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**VIGNERON Jean-Luc**

Saturday, April 01, 2023 - from 14:00 to 15:00

**BOSIO**

Session:

**MINIMALLY INVASIVE SURGERY: FACE - PART 2**

**PHENOL AND CROTON OIL PEELS FOR FACIAL REJUVENATION - EXOPEEL**

PHENOL/CROTON OIL PEEL FOR FACIAL REJUVENATION

ABSTRACT

Phenol/Croton Oil peel has been applied in deep resurfacing for decades, but in spite of its recent use, hasn't appreciated as it should in Plastic Surgery. It promotes cellular renovation, smoothing the wrinkles and providing a younger appearance. The aim of the study was to assess the effectiveness of the Phenol/Croton oil peel at the treatment of facial wrinkles. Despite its effectiveness, sustained erythema was the most frequent complication especially in patients with dark skin. Phenol/Croton oil peel diminishes the wrinkles. However, its use should be cautious accompanied with close follow-up, due to its possible side effects.

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**VIGNERON Jean-Luc**

Thursday, March 30, 2023 - from 16:30 to 17:25

**GENEVOIX**

Session:

**Fully liquified PCL Gouri: the art of anti-aging**

**FULLY LIQUIFIED PCL GOURI: THE ART OF ANTI-AGING**

The fluid form of PCL (Polycaprolactone), known as GOURI®, convinced as a "shadow hunter", as a softener of contours. The fluid PCL allows us, not to modify the face. The principle is to act gently, almost imperceptibly. The fluid PCL acts as a collagen inducer over a width of 4 cm. By carefully choosing cannula injection tracing, the diffusion makes it possible to chase away the shadows and in addition, the quality of the dermis and the surface of the skin, therefore the radiance of the face.

The idea is 1. To restore a "collagen cushion" to the face, in regions where the contours no longer have a generally convex regular curve 2. to act in regions where there are "blemishes" linked to dermal desertification.

It is recommended to practice 2 to 3 sessions spaced 4-6 weeks apart. In my practice, from 8 days after the first injection, the effect is clearly visible and the patients notice it and 2 sessions already bring a good result, to be evaluated for the decision of a 3rd session.

This simple inductor injectable in its composition satisfies its users. It softens and rejuvenates the features almost imperceptibly. It is not a volumizer. It is a shadow hunter!

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**WAMBIER Carlos**

Thursday, March 30, 2023 - from 14:00 to 16:00

**NIJINSKI**

Session:

Combining Peeling with Injectables, EBD and Other Modalities for Optimal Results

**THE BRAZILIAN LIP PEEL - A NON-INJECTABLE LIP AUGMENTATION PROCEDURE**

Brazilian Lip Peel is a novel aesthetic procedure which involves the use of phenol-croton oil formulas (deep peeling) to promote thick neocollagenesis and removal of the epidermis and superficial dermis with sun damage. By tightening the skin lip eversion is achieved. Normal anatomy is restored, including lip line, cupid's bow and also filtrum definition without injectables.

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**WANG Chao-Chin**

Wednesday, March 29, 2023 - from 09:00 to 11:00

**CAMILLE BLANC - ADVANCED  
FACIAL AESTHETIC  
MASTERCLASS**

Session:

Hot Topics in Lips Perioral Region

**THE BEAUTIFUL TRAP-NAVIGATING THE DARK SIDE OF LIP FILLER INJECTION**

Lip filler injection is a popular cosmetic procedure used to enhance the appearance of the lips. However, unwanted results can occur if the procedure is not performed optimally. To avoid these issues, the author proposes following the 6As: amount, absorbable, allergic, aseptic, anatomy, and aesthetic.

First, it's crucial to use the appropriate amount of filler and avoid overfilling. Next, only use absorbable hyaluronic acid fillers and be prepared to manage rare allergic reactions before the procedure. Proper aseptic techniques should be followed to avoid infection, and understanding the lip area's anatomy is vital to prevent complications, especially concerning vascular anatomy. Finally, aesthetic considerations should be taken into account, such as whether the goal is reshaping or rejuvenation of the lips. Most importantly, relatively safe injection techniques for lip fillers should be used.

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**WANG Shiou-Han**

Friday, March 31, 2023 - from 14:00 to 15:00

**AURIC 4**

Session:

Cosmetic Dermatology for Asian Patients - Taiwan's Perspective

**TIPS TO SAFELY AMPLIFY THE PHOTOACOUSTIC RESPONSE OF PICOSECOND AND NANOSECOND LASERS TO IMPROVE THE THERAPEUTIC RESULTS**

Objectives:

To safely improve the efficacy of picosecond and nanosecond laser treatment

Introduction:

Picosecond and nanosecond lasers are good choices for some skin problems, such as pigmentary skin disorders. The photoacoustic effect is the predominant property of these lasers.

Materials/method:

Based on the property of thermodynamics and Beer-Lambert law, we can know that the temperature is linearly related to the amplitude of the photoacoustic effect. For this reason, before the laser treatment, we treat the skin lesions with a photothermal laser, such as a long-pulsed alexandrite laser. Besides, combined therapy with a pulsed dye laser can improve efficacy for some diseases, such as melasma with telangiectasia. Furthermore, we can use an attenuator to lower the output laser fluence with a stacking technique for safety and efficacy to reduce the risk of laser-induced post-inflammatory hyperpigmentation.

Results:

Patients with cutaneous pigmentary disorders, such as lentigenes, freckles, melasma, and post-acne erythema/ pigmentation, were safely treated with good therapeutic responses.

Conclusion:

We can safely amplify the photoacoustic response of picosecond and nanosecond lasers with photothermal lasers to improve the therapeutic results.

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**WASSERBAUER Sara**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:

Hair Restoration Agenda - The Hair Follicle

**IS REDUCED BLOOD FLOW A FACTOR IN GENETIC HAIR LOSS?**

Reduced Blood flow is a factor in genetic hair loss, but not in the way most people think. The hair follicle has a rich blood supply, consistent with its constantly regenerating life cycle. But while decreased blood flow is noted in areas of decreased hair growth, it is not the cause of the reduction. Rather, the blood supply is consistent with the growth potential of the tissue. Even though this is the case, increasing microvascular (not microvascular) blood supply WILL have the effect of increasing hair growth. Numerous methods and treatments that correspond to this dictum exist.

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**WASSERBAUER Sara**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

**FRONTAL FIBROSING ALOPECIA AND OTHER CONDITIONS THAT MIMIC GENETIC HAIR LOSS - DON'T BE FOOLED BY THEM**

Mesotherapy at its most elemental is simply intradermal introduction of substances. While good data for several forms of mesotherapy exist, the treatments for hair growth have less data. This presentation will review the data for Biotin, Dutasteride, and other types of mesotherapy for use in growth of hair.

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**WEINER Steven**

Friday, March 31, 2023 - from 14:00 to 16:00

**CAMILLE BLANC**

Session:

Ultrasound Imaging in Aesthetics

**HOW I USE ULTRASOUND IN MY AESTHETIC PRACTICE**

I have been using ultrasound for over 3 years in my practice. It's been extremely useful for examining complications, and characterizing previously placed fillers. I also use the ultrasound as a teaching tool, for both the patient as well as newer injectors. In what is considered higher risk areas such as temple, deep pyriform space, and noses, the ultrasound is invaluable to map the vascularity prior to injections and to assist in guided injections.

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**WEINER Steven**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:

Skin Quality Improvement

**MICROCORING FOR SKIN LAXITY AND SKIN QUALITY IMPROVEMENT**

Micro-coring is a novel skin treatment that is based on the core biopsy instrumentation. However, in micro-coring, the cores are 0.5mm in diameter and during a single session, up to 12,000 of these cores are removed. Remarkably, the downtime is extremely well tolerated and within 3 days, make-up can cover any residual redness. Up to 2 square inches of skin is removed in a session, and up to 3 sessions are recommended. Histology has shown there to be no scarring and complications are mild, with no reported long-term issues. The patients skin will tighten and superficial wrinkles will improve. The presentation will include the numbing injections, video of procedure, skincare post-procedure, and progressive photos. Before and afters will also be displayed.

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**WESTGATE Gill**

Friday, March 31, 2023 - from 09:00 to 10:30

**BOSIO**

Session:

Hair Restoration Agenda - The Hair Follicle

**HAIR EVOLUTION AND GEOGRAPHICAL VARIATION**

The transition of our human ancestors from a hairy to hairless body was essential to the development of our species'

intelligence on which humans have evolved until today. Oddly enough, it was as much to do with sweating as hair! The hair on our heads evolved similarly, with the goal of allowing maximal heat loss from the scalp, keeping the brain cool, as well as protecting the head from UV. Curly hair allowed a much greater surface area for sweat evaporation and lifted hair away from the scalp. Straighter hair evolved during population migrations toward colder climates and skin, hair and eye colour became more diverse over time in colder climates as curly hair and a dark skin were less successful, evolutionarily. Curly hair persists today in many parts of the world and hair biologists have learned much about the formation of hair by studying hair shape, follicle shape and links between curly hair and genetics. So, whilst curly hair does come from a curved hair follicle, the follicle builds in curliness with biophysical as well as biological mechanisms. With the global population growing ever more diverse, it is now considered much more correct to refer to hair types by the hair properties, rather than the ethnicity of the person. Thus, a new era of terminology is emerging that describes human hair by its intrinsic shapes and properties. This is increasingly important in research as well as in consumer communication.

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## **WESTGATE Gill**

Friday, March 31, 2023 - from 16:30 to 18:30

**BOSIO**

Session:

Hair Restoration Agenda - Hair Health and Disease

### **ARE SKIN, HAIR AND GUT BIOMES IMPORTANT FOR HAIR HEALTH?**

The microbiome has become part of everyday language when talking about healthy skin and hair and in skin and hair disorders. The microbiome describes the genetic diversity in terms of microbiota present on (skin/scalp) or in the body (gut). The skin is the largest organ of the human body, yet despite the skin microbiome recently emerging as a superior biomarker for physiological ageing, the skin microbiome remains a niche research topic. The microbiome is varied across the body, and this is because the skin is also varied; we have dry, sweaty, and oily sites - each maintaining its own types of microbiota. When the microbiota is disrupted - called dysbiosis - there is a strong association to a decline in health. However, researchers are working to define whether microbial dysbiosis causes skin problems, or whether skin problems cause dysbiosis. Human skin, with a more stable microbiome than the gut, presents an excellent system to establish how changes in the microbiome over the life course influence biological age (assessed by health status/life expectancy), and conversely how the ageing process drives the microbiome.

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## **WIERNSPERGER Nicolas**

Thursday, March 30, 2023 - from 12:00 to 13:00

**AURIC 5**

Session:

Keynote Addresses in Anti-Aging Medicine

### **KEYNOTE: A JOURNEY THROUGH CURRENT ALZHEIMER RESEARCH: NEW HYPOTHESES/TARGETS AND BIOMARKERS**

Research on dementias (and particularly Alzheimer's disease) is presently at his crossroads for two reasons. The dramatic failure of the two main therapeutic approaches ( cholinesterase inhibition and anti-amyloid targeting) leaves us with the necessity to reconsider (but without necessarily eliminating) previous hypotheses and select new drug targets. This duty is further complicated by the constant discovery of new cellular mechanisms which constitute possible therapeutic targets. However we largely ignore if these are causal or simply participating in the processes of progressive cognitive decline. In his keynote lecture, Dr Wiernsperger will update the most promise-looking mechanisms and therapeutic approaches (but also their pros and contras) envisaged for new developments. Particular accent will be put on the evident necessity of early diagnosis of dementia, ideally before (maybe long before) clinically visible symptoms emerge. This requires rapid identification of fluid biomarkers, ideally combined with cerebral imaging. In brief, the presentation will give a highly actualized overview of mechanisms, diagnostic tools and potential avenues for alternative new therapeutic approaches.

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## **YAMADA Hidekazu**

Saturday, April 01, 2023 - from 11:00 to 12:00

**AURIC 5**

Session:

Insights Into Anti-Aging Prevention

### **EPIGENETIC CLOCK**

Ageing is increasingly viewed as a disease, and while clinical trials targeting ageing are not allowed under ICD-11, exploring treatment options for ageing-related diseases is possible. In the future, measuring ageing will be a crucial component of preventive interventions, including exercise, nutrition, mental health, environment, and medical therapy, to extend healthy life expectancy. The Epigenetic Clock is a valuable tool for measuring ageing, and recent research has revealed the Dunedin PACE acceleration concept, which links psycho-social factors to healthy life expectancy. The population's epigenetic clock criteria have been established in Japan by ToMMo, and supercentenarians have been reported. This presentation will discuss these findings, as well as provide an overview of the current situation in Okinawa, a blue zone known for longevity, and other

longevity societies in Japan, including the elderly society in the Kyoto area.

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**YI Kyu-Ho**

Thursday, March 30, 2023 - from 09:30 to 11:25

**PRINCE PIERRE**

Session:

Toxin Talk - Emerging Techniques, Technologies and Thinking

**NOVEL ANATOMICAL PROPOSALS FOR BOTULINUM TOXIN - FACIAL CONTOURING, LATERAL CANTHAL LINES, AND NOSE WRINKLES.**

The hypertrophied temporalis and masseter muscles give a muscular shaped and bulky contour to the face. Botulinum neurotoxin injection methods are commonly used for facial contouring; however, adverse effects have been reported owing to a lack of delicate anatomical information. The anatomical considerations when injecting botulinum neurotoxin into the temporalis and masseter muscles were reviewed in the present study. Current knowledge on the localization of the botulinum neurotoxin injection point with more recent anatomical dissection and modified Sihler staining procedures was assessed. The authors found that, for the muscles, the injection point can be more precisely demarcated. Optimal injection sites are presented for the temporalis and masseter muscles, and the injection technique is suggested. The authors propose the optimal injection sites in relation to external anatomical landmarks for the frequently injected muscles of the face to facilitate the efficiency of botulinum neurotoxin injections. In addition, these guidelines would aid in more precise practice without the adverse effects of botulinum neurotoxin.

Botulinum neurotoxin injections near the lateral canthal rhytids are commonly used in cosmetic settings; however, there is a lack of thorough anatomical knowledge, and an effective way to treat them with accumulating knowledge is needed. Current knowledge on the identification of botulinum neurotoxin injection points from recent anatomical research was assessed. The lateral canthal lines are involved with the orbicularis oculi muscle and nearby anatomical structures, and the injection points can be more precisely defined. Also, the nose area is frequently used in aesthetic settings. However, there is a shortage of thorough anatomical understanding that makes it difficult to treat wrinkles in the nose area. In this study, the anatomical aspects concerning the injection of botulinum neurotoxin into the nasalis, procerus, and levator labii superioris alaeque muscles are assessed.

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**ZATEZALO Chad**

Saturday, April 01, 2023 - from 12:00 to 13:00

**PRINCE PIERRE**

Session:

FOCUS ON EYELID PTOSIS AFTER TOXIN TREATMENT

**PANEL DISCUSSION: EYELID PTOSIS**

Panel discussion on eyelid ptosis

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**ZATEZALO Chad**

Friday, March 31, 2023 - from 16:45 to 18:45

**SALLE DES PRINCES**

Session:

Tear Trough Correction

**LOWER LID - TEAR TROUGH REJUVENATION**

Volume, Contour, Texture, and Transition. The ideal methods for periocular and tear trough rejuvenation. The talk will address various technologies and maneuvers that aid in the rejuvenation of the periocular area including their benefits and potential complications.

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**ZENKER Sabine**

Saturday, April 01, 2023 - from 09:00 to 10:30

**CAMILLE BLANC**

Session:

Skin Quality Improvement

**HOW TO OBTAIN A PERFECT SKIN TONE**

Introduction

Looking at aesthetic indications, the typical and most common concerns resulting in an uneven skin tone are colour changes

such as e.g. unwanted hyperpigmentation, melasma and post-inflammatory hyperpigmentation (PIH) as well as unwanted redness like erythema and teleangiectasias. Secondly, unwanted changes in texture such as dull skin, dilated pores, superficial wrinkles and scar formation can occur.

#### Objective

To showcase my approach for a perfect skin tone using only topicals (cosmeceuticals and compounded formulations) alone or in combination with medical treatments such as chemical peelings, mesotherapy and needling to effectively improve the skins' tone

#### Materials and Methods

Being dermatologist, I want to speak out and highlight here on how we -being medical doctors- can consult our patients through the jungle of options on how to perfect their skin tone in the most effective therapeutic way. Of course, topicals such as cosmeceuticals and compounded prescription drugs to be used at home and/or during in-clinic procedures are essential and indispensable.

Dermatology treatments such as chemical peelings, mesotherapy and medical needling using a variety of actives are effective procedures to treat the previously mentioned methods. Key here is to individualize each treatment according to the respective indication and also the expectations of our patients. Obviously, the approach showcased here is just one of various options out there.

#### Conclusion

To improve skin's quality and tone, combined medical protocols such as using topicals, cosmeceuticals and compounded formulations together with aesthetic dermatology treatment options such as peeling, mesotherapy and needling increase the overall efficacy of the single methods efficiently.

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## ZENKER Sabine

Saturday, April 01, 2023 - from 14:00 to 16:00

**NIJINSKI**

#### Session:

The Most Effective Use of Combination Therapies

### **COMBINED FACE TREATMENT IN ONE SESSION: THREADS + LIPOLYSIS + FILLER**

Combined face treatment in one session: Threads + Lipolysis + Filler

#### Introduction

Medical aesthetic interventions to delay facial aging and to improve its aesthetic features require individual, sophisticated and safe solutions for a natural and harmonious results. It is obvious that one single technology cannot achieve the results necessary and wanted by our patients. Therefore, combining is key.

#### Objective

To showcase my individual therapeutic approach on how to combine Threads, Lipolysis and Filler in one session

#### Materials and Methods

Typical indications for non-invasive therapies such lifting threads, lipolysis and filler to counteract the signs of aging as well as to improve facial feature can be the sagging cheeks resulting in a loss of contour, accentuation of nasolabial folds and prejowl sulcus with harsh transition zones; also the definition of the jawline changes and results in jowling and double chin formation. Tension threads can lift and reposition the tissues effectively, giving a better contour and definition as well as smoother transition zones. The threads showcased in this video have molded barbs which hook up the tissues effectively to not only lift but also reposition. Thanks to their composition using Poly-L-Lactic Acid PLLA and Polycaprolactone PCL, they also effectively stimulate collagen. Thanks to injection lipolysis using Phosphatidylcholin, overexposures such as double chin and jowling "melt away" causing relatively few days of swelling. Using hyaluronic fillers with high G' and middle G' ensure for an effective immediate filling result with relatively low amounts of product.

#### Conclusion

At the end of the day, key is the smart combination of the "right", non-invasive treatment options in an individualized and customized way. As a result of the foresaid and looking from an aesthetic dermatologist's perspective at what is in demand and wanted in today's medical aesthetics, it all comes down to the point to obtain a natural look and to make our patients feel good in their skin by utilizing effective, safe and sustained non- and micro-invasive treatment concepts for their aesthetic wellbeing.

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