

 #WCD2019

AEDV

HIGHLIGHTS

24th World Congress of Dermatology (WCD)

10-15
JUNIO
2019

Milán



Patrocina:

janssen  Immunology
PHARMACEUTICAL COMPANIES OF 

Organiza:



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Dermatología Estética y Laser

Dr Vicent Alonso Usero

Hospital VITHAS 9 de Octubre . Valencia

Patrocina:



Organiza:



Managing complications of aesthetic procedures

Botulinum toxin: common mistakes and how to correct Koenraad DeBoule (1/2)

- **Chlorhexidine keratitis, povidone-iodine and hypochlorous acid as alternatives**
 - Dermatol Surg. 2017 Jan;43(1):1-6. .Chlorhexidine Keratitis: Safety of Chlorhexidine as a Facial Antiseptic. Steinsapir KD1, Woodward JA.
 - Chlorhexidine have the potential to irreversibly damage the cornea with a minimal splash exposure. Povidone-iodine is a safe and effective alternative.
 - Dermatol Surg. 2018 Apr;44(4):597-599. Use of Hypochlorous Acid as a Preoperative Antiseptic Before Placement of Dermal Fillers: An Alternative to the Standard Options.
- **Changing in smile appearance**
 - Treating gummy smile can turn in a joker smile: patient selection
 - Overtreating orbicularis muscle we can get Fake smile (only zygomatic and risorius) versus sincere smile
- **When treating depressor angle oris can diffuse to the depressor lower lip**
 - Treat the contralateral side of the depressor of de lip



Managing complications of aesthetic procedures

Botulinum toxin: common mistakes and how to correct Koenraad DeBoulle (2/2)

- **Swelling/edema lower eyelid is due to both paucity of lymphatic vessels periorbital and M.orbicularis malfunction**
 - Furosemide 40 md/d 10 days (De Boulle personal experience)
- **Paradoxical Maseteric Bulging after botulinum toxin injection**
 - The deep tendon structure was located deep in the lower third of the superficial part of the masseter. It was observed in all specimens and was designated as a deep inferior tendon (DIT)
 - Recommend performing layer-by-layer retrograde injections into the superficial and deep muscle bellies of the masseter.
 - Toxins (Basel). 2017 Jan; 9(1): The Anatomical Basis of Paradoxical Masseteric Bulging after Botulinum Neurotoxin Type A Injection. Hyung-Jin Lee In-Won Kang
 - Dermatol Surg. 2019 Apr;45(4):566-572. Botulinum Toxin Injections for Masseter Reduction in East Asians.Cheng J1, Hsu SH2, McGee JS1.



Managing complications of aesthetic procedures














- Management of complication in the use of filler: the role of hyaluronidase
Maurizio Cavallini
- **Pitfalls with lasers and devices - prevention and treatment** Rungsima
Wanitphakdeedecha
 - Managing patients expectations
 - Focus on training not only physicians, also nurses and patients
 - Post procedural communication



Managing complications of aesthetic procedures

- **Dermal fillers and adverse events: the real data Izolda Heydenrych**
 - **A 10-point plan for avoiding hyaluronic acid dermal filler-related complications**
 - Clin Cosmet Investig Dermatol. 2018; 11: 603–611. A 10-point plan for avoiding hyaluronic acid dermal filler-related complications during facial aesthetic procedures and algorithms for management Izolda Heydenrych

Table 1 A 10-point plan for avoiding filler complications

I. Patient	II. Product	III. Procedure	IV. Algorithms
1. History  <ul style="list-style-type: none"> • Skin conditions • Systemic disease • Medication • Procedures 	4. Reversibility  <ul style="list-style-type: none"> • Hyaluronidase • Dilution + dosage 	7. Photographs  <ul style="list-style-type: none"> • Pre and post • Black background • No makeup • Rest and animation • Angles and lighting • SLR camera 	Allergy/hypersensitivity <ul style="list-style-type: none"> • Early: vitals, adrenalin, IV • Late: cold compress • H1 + H2 antagonists • Oral corticosteroids • Propranolol, ibuprofen
Selection  <ul style="list-style-type: none"> • Skin + systemic • Pretreatment • Dental, vaccinations • Routine procedures • Dysmorphophobia 	5. Product characteristics determine placement  <ul style="list-style-type: none"> • HA concentration • Cross-linking 	8. Procedural planning and aseptic technique  <ul style="list-style-type: none"> • Technical flow • Everything at hand  <ul style="list-style-type: none"> • Skin: chlorhexidine/alcohol • Chlorhexidine mouthwash • Gloves + hand washing 	Vascular events <ul style="list-style-type: none"> • HDPH If visual disturbance occurs: <ol style="list-style-type: none"> a) Stop injecting b) Consult an ophthalmologist c) 90-minute timeframe
2. Assessment  <ul style="list-style-type: none"> • Beauty, aging, gender, ethnicity • Wants vs needs 	6. Product layering   <ul style="list-style-type: none"> • HA over minimally biodegradable fillers 	9. Injection anatomy  <ul style="list-style-type: none"> • Safety by depth • Danger areas 	Infection <ul style="list-style-type: none"> • Oral antibiotics • IV antibiotics • Hyaluronidase • Surgical drainage • Laser
3. Consent  <ul style="list-style-type: none"> • Informed consent • Procedure + complications • Financial consent 		10. Technical knowledge  <ul style="list-style-type: none"> • Depth, placement • Speed • Needle vs cannula • Aspiration vs movement 	Late-onset nodules <ul style="list-style-type: none"> • Antibiotics • Hyaluronidase • Immunosuppressives • Tacrolimus • Pimecrolimus • Colchicine

Abbreviations: HA, hyaluronic acid; IV, intravenous; SLR, single-lens reflex.



Pigmentation and Lasers: communications

- **A randomised control trial to study the efficacy of culture versus non-cultured melanocyte transfer in the management of stable vitiligo. DR Debdeep Mitra. India**
 - No differences between the outcomes of cultured and non cultured techniques
 - Good re-pigmentation in 50-60% of patients
- **Picosecond laser for scar and photoaging monitoring of effects by means of invivo reflectance confocal microscopy. Stefania Guida . Italy**
- **Iron-Induced Accidental Tattoos and laser therapy: experience at a tertiary referal centre. Laurence Imhof. Zurich**
 - 29 female patients
 - Ruby 694 nm and 1064 Nyag Q-S lasers
 - 5 sessions, 3,5/4 patient satisfaction score



Pigmentation and Lasers: communications

- **Combined effect of diluted calcium hydroxyapatite based filler and fractional Co2 laser for the treatment of acne scarring. Dr Artzi Ofir. Tel Aviv**
 - Retrospective analysis 352 patients
 - The combination of a diluted CaHA-based filler injection followed by ablative fractional Co2 laser in separate sessions was better than the other options tested
 - Efficacy of a combination of diluted calcium hydroxyapatite-based filler and an energy-based device for the treatment of facial atrophic scars . A. Koren et al. *Clinical and Experimental Dermatology (in press)*



Vascular Laser

- **Laser & IPL treatment of non-vascular conditions. Boixeda P. Spain**
- **PDL for Facial Warts**
 - 32 patients PDL
 - Complete response 44 %
 - Excellent response 56 %
 - Follow up 1 year (4 recurrences)
 - Good option Even in difficult locations
- **Viral Warts**
 - PDL: Variable results but generally with positive
- **PDL for Molluscum**
 - Retrospective study: 43 patients, 1250 lesions. 100 % efficacy
 - Prospective study: 76 children (1-15 years): 96,3% one treatment
 - Prospective study: children. 84.3 % one PDL treatment. Others: 2 treatments.
 - **Good option: very effective and few side effects**
- **Lupus Tumidus**
 - Don't prevent recurrences, purpura seems to be necessary to achieve good results
 - Pulsed dye laser as an excellent choice of treatment for lupus tumidus: a prospective study. Truchuelo MT, Boixeda P, Alcántara J, Moreno C, de las Heras E, Olasolo PJ. J Eur Acad Dermatol Venereol.

