AEDV HIGHLIGHTS
24th World Congress of Dermatology (WCD)

10-15 Junio 2019
Milán
Dermatología Estética y Laser

Dr Vicent Alonso Usero

Hospital VITHAS 9 de Octubre . Valencia
Managing complications of aesthetic procedures

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

- **Clorhexidine keratitis, povidone-iodine and hypochlorus acid as alternatives**
    - Chlorhexidine have the potential to irreversibly damage the cornea with a minimal splash exposure. Povidone-iodine is a safe and effective alternative.

- **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 Maseteric Bulging after Botulinum Neurotoxin Type A Injection. Hyung-Jin Lee In-Won Kang
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
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 referral 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 that 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