

 #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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Lasers

June 14 friday

José Manuel Miralles López

Palma de Mallorca

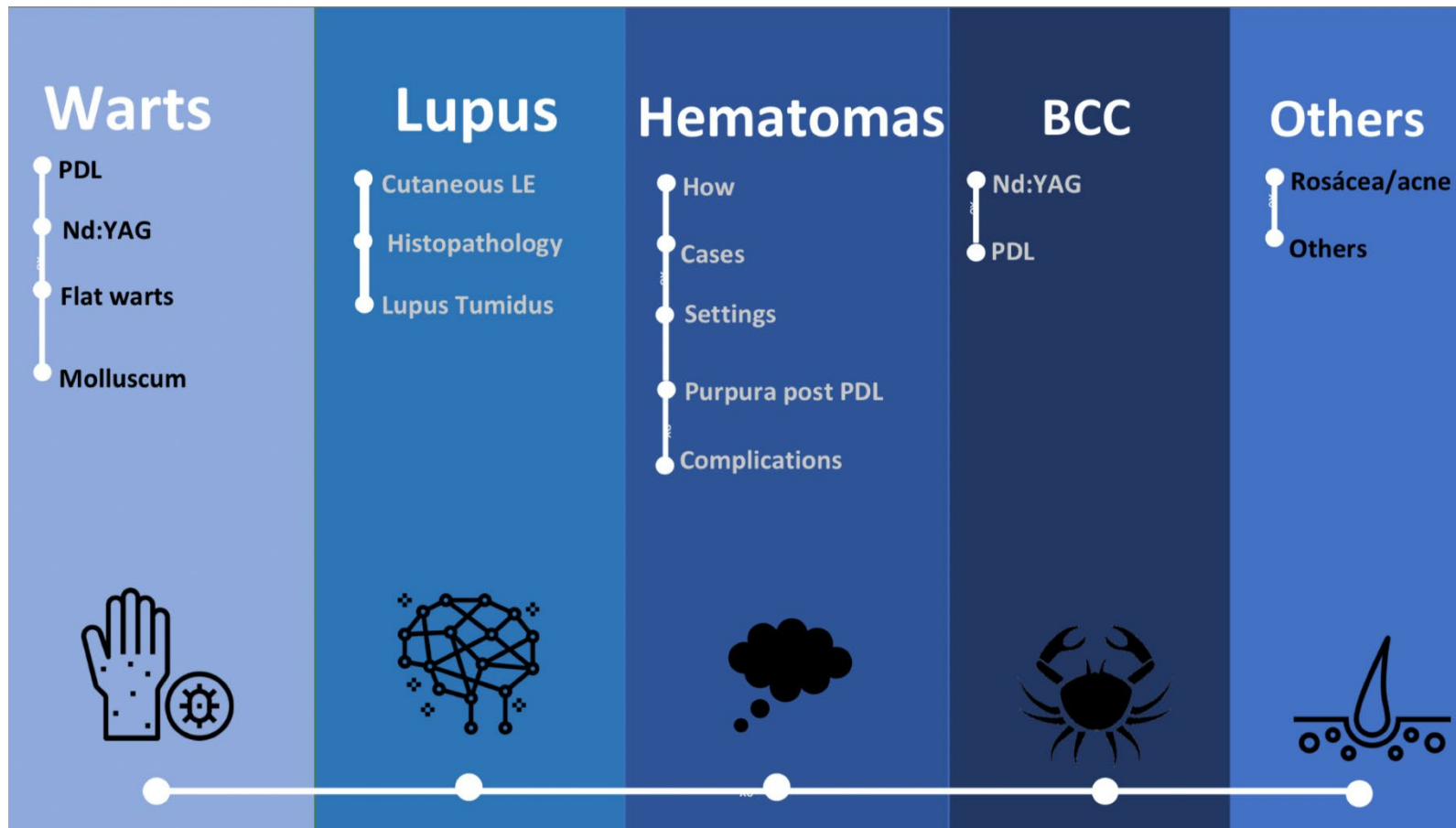
Patrocina:



Organiza:



Best presentation about lasers of all the congress from Dr. Pablo Boixeda (Spain): Vascular lasers and other dermatologic indications (PDL and ND-YAG)



Hematoma and PDL

Hematomas Cases

Pulsed dye laser on ecchymoses: clinical and histological assessment

Adrián Alegre-Sánchez¹ · D. Saceda-Corralo¹ · G. Segurado-Miravalles¹ ·
D. de Perosanz-Lobo¹ · P. Fonda-Pascual¹ · O. M. Moreno-Arrones¹ ·
D. Buendía-Castaño¹ · B. Perez-García¹ · P. Boixeda¹

Lasers Med Sci. 2018



24 h Post PDL



BCC



BCC PDL

- Short study
- PDL 1 month before Mohs surgery
- 7 mm 2 ms 15 J, stacking (2)
- 5/6 patients No BCC



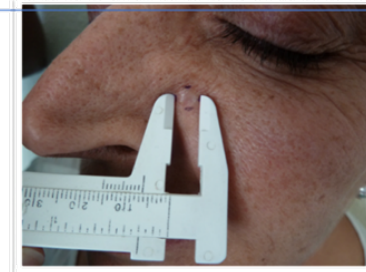
Pre

Post-PDL

Mohs: No BCC

The effect of pulsed dye laser on high-risk basal cell carcinomas with response control by Mohs micrographic surgery.

Alonso-Castro L¹, Rios-Buceta L, Boixeda P, Paoli J, Moreno C, Jaén P. Lasers Med Sci 2015



Pre



Post-PDL



Mohs: No BCC

ACNE



Other Acne

Vascular laser recommended with grade B.

Best patient: inflammatory lesions with no response or no indication of other treatments (retinoids. Antibiotics...).

Better in combination with topical/oral tx for retentional lesions

PDL seems to get longer responses than IPL.

Acne vulgaris



International League
of Dermatological Societies
Skin Health for the World



24TH WORLD CONGRESS
OF DERMATOLOGY

Postinflammatory pigmentation in fototypess IV-VI

Dr. Manuskiatti (Thailand)

- Prevention or treatment?
- Topical corticosteroids: lower PIF level but no significantly better results.
- **Tyrosinase inhibitors : hydroquinone**
- Second line picoseconds fractional laser combined with oral tranexamic acid (250 mg per os x 12 h)
- Q-switched laser 1064 nm low fluences
- **Fractional picosecond laser (Picotoning)** . 6-8 mm spot, painting technique, one sesión every 2 weeks.
- ***Minimizing inflammatory reaction and sun protection are fundamental.***
- Topical tranexamic or intralesional less efective.



Managing risks in vaginal laser

Dra. Negosanti (Italy)

- **Gold standard fractional Co2 laser**
- Objective: renew the vaginal tissue and improve function.
- Treat endovaginal area, vulva, and also perineal and perianal area
- 3 sessions (every 30-40 days)
- Useful in scleroatrophic lichen.
- Management of perianal pruritus.
- Pain: endovaginal treatment is not painful. In surrounding areas EMLA Or pliglis.
- Pain after treatment: paracetamol
- No tight clothes
- Vaginal discharge not abundant during the first days (use gauze compress)
- Infections: recurrent herpes, rare bacterial vaginosis.
- Postlaser cystitis: fosfomycin or nitrofurantoin.
- 14% patients not responding to treatment.



Laser for tattoos elimination: complications and what is new

Dr. Nouri (EE.UU.)

- Depigmentation and textural changes
- Allergic reactions
- Paradoxical darkening
- Ulceration
- Potential carcinogenesis (INKS)
- Reactive lymphoid cutaneous hyperplasia
- ***ASWT (Acoustic shock wave therapy)***



Management of resurfacing complications (ablative and non ablative)

Dr. Amer (Egypt)

- Usually mild adverse reactions.
- Professional inexperience
- Inadequate post-laser care
- Patient characteristics
- Burns, scars , discromia, ocular damage and infections
- Fractional CO2 Laser: infection produces delayed epithelization and prolonged erythema. Post-treatment steroids increase the risk of infection
- Scars risk should be warned. 3,8% SCARS (INFECTION) manuskiatti
- **Special care with neck and chest.**
- **Excessive fluence or density may cause retraction of the lower eyelid.**
- **Koebner possible.**



EBD And complications (cryolipolysis, radiofrecuence, HIFU)

Dr. Ocampo (Mexico)

- **Cryolipolysis:** correct election of the candidate. Erythema, burning , hematoma, petechia, hipersensitivity, itch, postinflammatory hiperpigmentation, paradoxical adipocyte hiperplasia, prolonged pain. Panniculiti
- Morphee cryolipolysis induced.
- There are lower cost equipment but higher risk of complications and burns.
- **Radiofrequency.** Real expectations. Erythema and edema disappear quickly. Erosions and burns. Atrophy and pigmentary problems are exceptional.
- **HIFU:** mild erythema and edema, submandibular feeling of pain
- Other complications extremely rare: nodules, blisters, pigmentación. 0,2% adverse effects: transient paresia without sequelae. Ulcer, necrosis.



Ipl complications and management

Dr. Galimberti (Argentina)

- Dark phototypes higher risk (needs filters with longer wavelength)
- **Very important correct cooling**
 - Correct management of end point
 - Hair removal: perifollicular erythema
 - vascular: avoid withening
 - Pigmentations : darkening of brown spot without darkening of surrounding skin
- Need for previous test



Increasing safety in the laser clinic

Dr. Amer (Egypt)

- Training is very important
- Risks are underestimated for laser user
- Minimizing stress reduces risk (Gold standard check list of aerial sector)
- Even the reception of the clinic is important.
- Adequate maintenance of equipment.
- Assess the risk levels in each case in each laser and define the precautions to be taken



Selection of the patient in dermatological laser: when no is the better option Dr. Madan (UK)

- The modern laser dermatologist must know how to say no:
 - Incorrect indication
 - Better treatment options.
 - Incorrect diagnosis
 - Unreal expectations
 - Dysmorphophobia

Say no better before than after
Better say no than i´m sorry



What is coming: laser 1726 nm

- Selective damage of sebaceous gland without affecting surrounding dermis and preserving epidermis
- Demonstrable histological damage at 24-48 hours (Tanghetti)
- Needs a good cooling system
- Effective and safe parameters
- Multiple pulses
- Great expectation in acne
- Other indications?

