AOCD 2018
San Diego

Laser Treatment of Scars: State of the Art

October 11, 2018

Nathan Uebelhoer, DO
n.Uebelhoer@gmail.com

AOCD 2018
San Diego

Disclosures: NONE

AOCD 2018
San Diego

Conversations on Scar Formation

- Mechanotransduction
  - Extracellular & Intracellular
  - Wong et al. JID 2011; 131(11):2186-96.

- Histopathologic Changes
  - Ozog et al. JAMA Derm 2013;149:50-7.

AOCD 2018
San Diego

Controversies of Scar Rehabilitation

- Standard Therapies
  - Surgical
  - autologous transfer
- Laser
  - Various targets and goals
  - Ablation with minimal Collateral Thermal damage
    - Regeneration of a *more* normal tissue

Fractional Regenerative Technique

- Controversy of Bias Based on Experience
- State of the Art
  - Ablative Fractional Laser
    - High energy, Low Density, Uniform to depth
    - Uniqueness of the injury
    - Adjunct to ALL scar therapy

AOCD 2018
San Diego

Fractional Regenerative Technique

- Mechanotransduction vs Rehabilitation
- Histopathologic Changes

Fractional Regenerative Technique

- The ideal candidate
- Treatment Failures