Laser Treatment of Scars: State of the Art
Disclosures: NONE
Conversations on Scar Formation

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

• Histopathologic Changes
  • Ozog et al. JAMA Derm 2013;149:50-7.
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
Fractional Regenerative Technique

- Mechanotransduction vs Rehabilitation
- Histopathologic Changes
Fractional Regenerative Technique

• The ideal candidate
• Treatment Failures