



# Optical Fibers for Cosmetic and Beauty

EPIC Online Technology Meeting April 19<sup>th</sup> 2021

Steve Allen

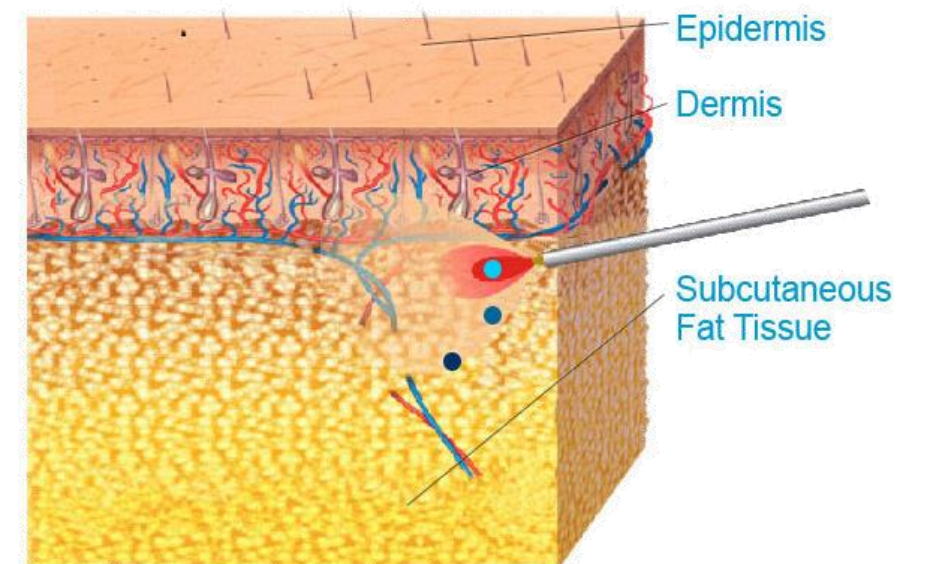
Director of Marketing, OFS Specialty

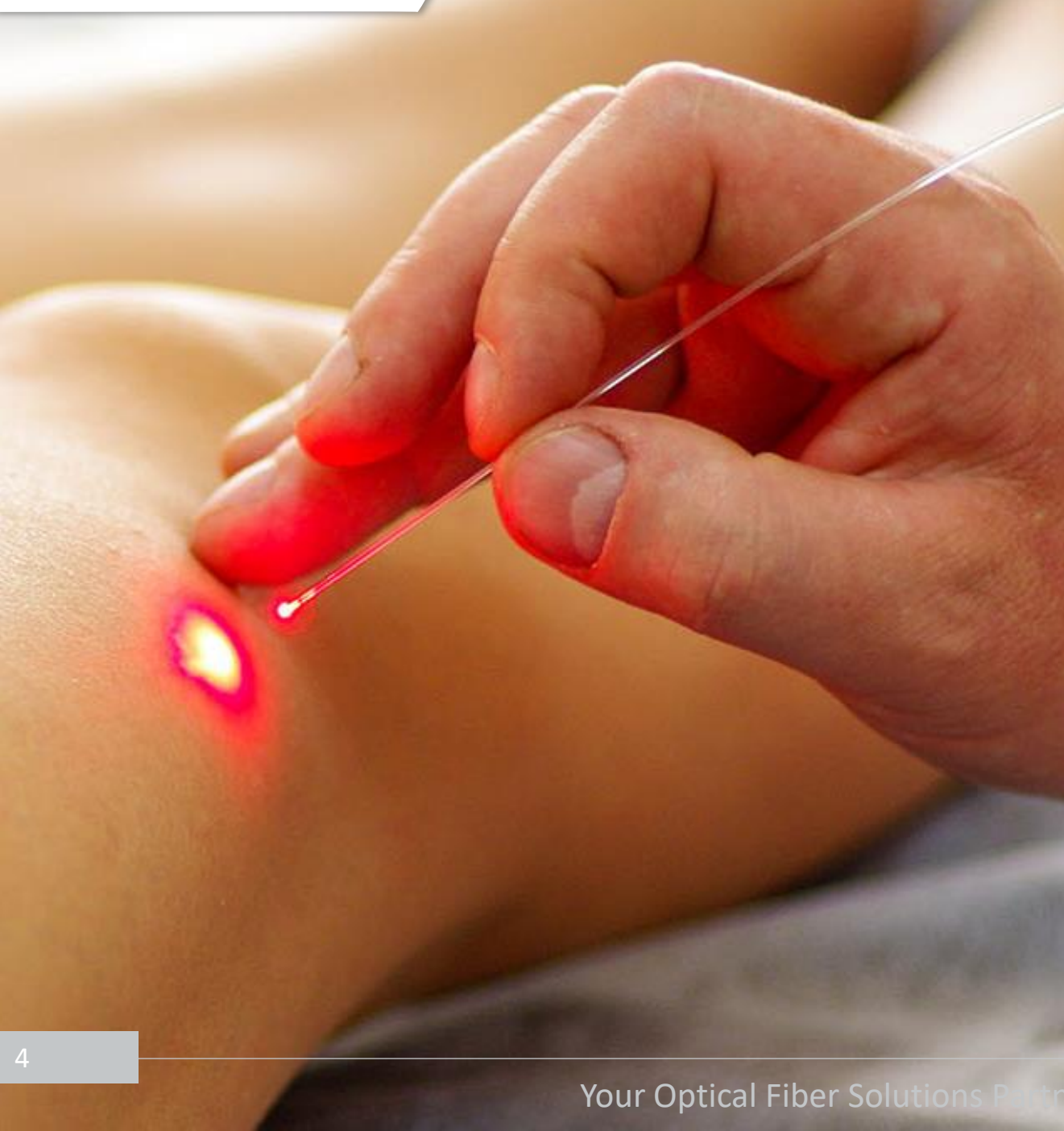
- Chemistry - Glass, Polymers, Ceramics
- Fiber preform design and manufacturing
- Fiber draw and coatings
- Cable design and production
- Assemblies and optical components
- Designs for harsh environments
- Vertical integrated customization

# OPTICAL FIBER SOLUTIONS FOR SKIN TREATMENTS

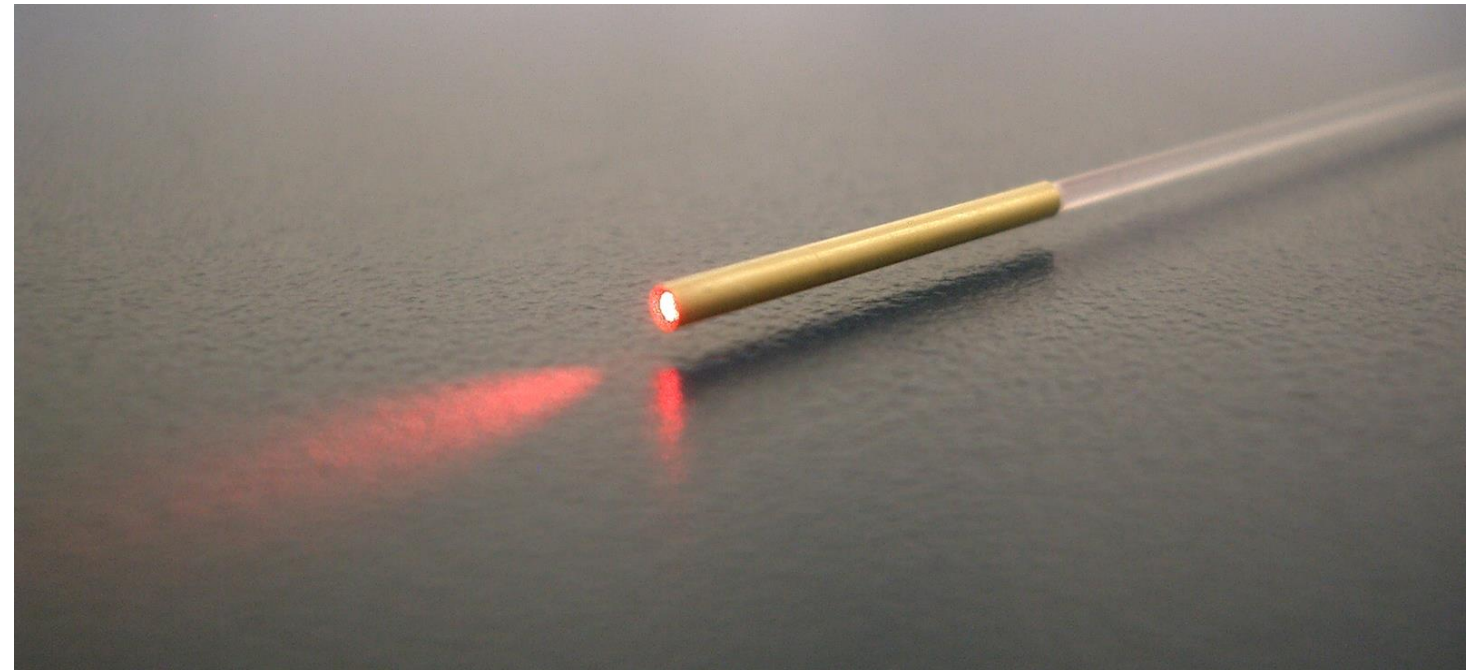


- Laser Lipolysis
- Skin Tightening
- Hair Removal



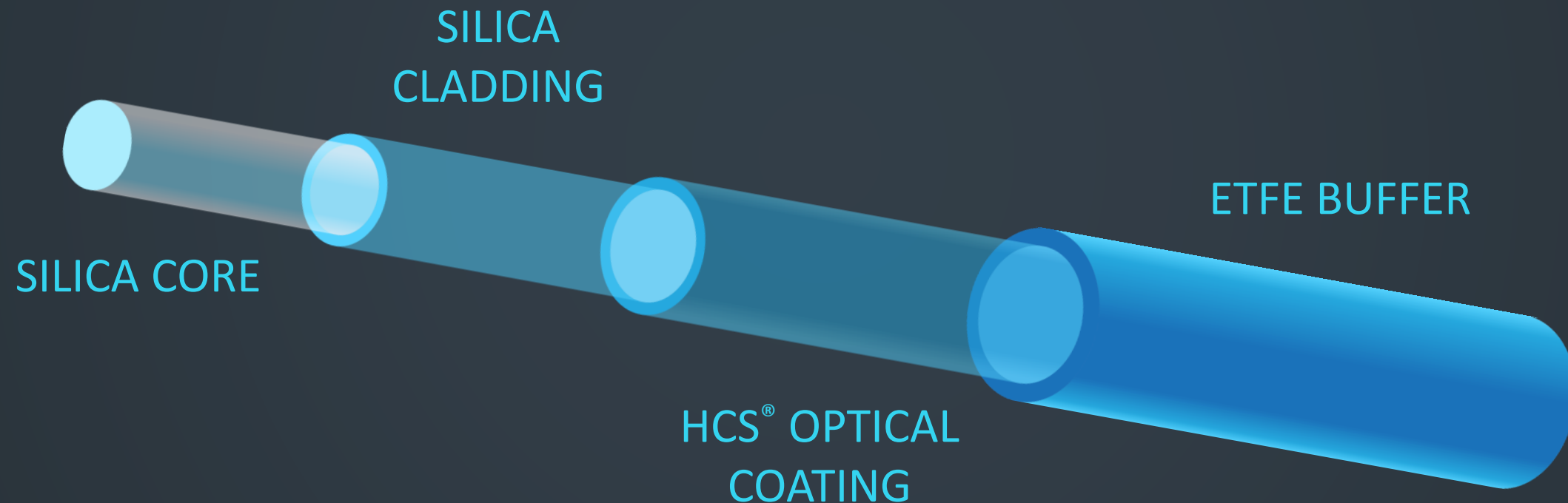


## Leg Vein Treatment



# HCXtreme<sup>®</sup> Optical Fiber

Reliable Laser Delivery up to a 5 mm Bend Radius



# CUSTOMIZABLE FIBER ASSEMBLIES AND TERMINATION



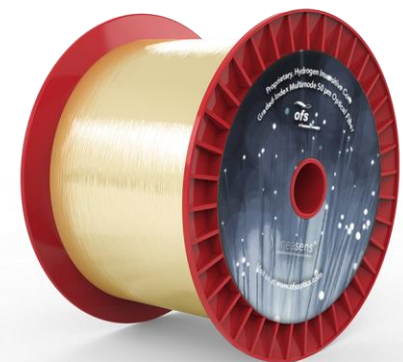
# Raman Fiber Lasers

- Modular approach
  - Building complex design
  - High efficiency
- Get ideal wavelength for specific procedure
  - 1480 nm to 1900 nm
- Compact, OEM Raman cavities



## The EPIC Questions

- What can OFS do for You?
  - Custom engineering support, development, and production
  - Fiber Optic Solutions
  - Medical laser Probes
  - Raman laser building blocks – customized wavelengths
  - Proven product development methodology
  - Robust Quality Management System





A person wearing a white cleanroom suit and hairnet is working at a workstation in a cleanroom. The workstation includes a computer monitor displaying a blue-tinted image, a fiber optic patch panel, and various cables. A yellow coiled cable is visible in the background. The scene is dimly lit, with the primary light source being the monitor and the cleanroom's ambient lighting.

# LOW BIOBURDEN ASSEMBLY ROOM



# FDA GOOD MANUFACTURING PRACTICES



**USP CLASS VI  
AND ISO10993  
FOR BIOCOMPATIBILITY**



ISO 9001 AND 13485  
**CERTIFIED**



A Furukawa Company

Thank  
you