

Laser–Tissue Interaction Quick Guide

How laser energy interacts with the skin

Treatment	Target
Hair removal	Melanin in the follicle
Pigment	Excess Melanin
Vascular	Hemoglobin
Rejuvenation	Water/Tissue

Types of Interaction

- **Absorption** – energy is taken in by the target (desired effect)
- **Reflection** – energy bounces off the skin (no effect)
- **Scattering** – energy spreads within tissue (reduced precision)

Goal: Always maximize absorption for effective treatment

What to Avoid

- Excess heat in surrounding tissue
- Incorrect wavelength selection
- Treating wrong skin type without adjustment