



6 COMMON CONDITIONS PODIATRISTS SHOULD TREAT WITH LASER THERAPY

**CUTTING
EDGE**
LASER TECHNOLOGIES





TABLE OF CONTENTS

:: WHAT IS LASER THERAPY & HOW DOES IT WORK?

:: BIOLOGICAL EFFECTS OF LASER THERAPY

:: 6 COMMON CONDITIONS

:: YOUR NEXT STEPS

:: LEARN MORE ABOUT
CUTTING EDGE LASER TECHNOLOGIES



LASER THERAPY:

WHAT IS IT?

HOW DOES IT
WORK?

WHAT ARE THE
BIOLOGICAL
EFFECTS?

WHAT IS LASER THERAPY & HOW DOES IT WORK?

Laser therapy is a therapeutic treatment that uses light energy (photons) for tissue healing and pain reduction. The light energy penetrates deeply into damaged cells and stimulates cellular activity. As a result of exposure to the laser, the cells of tendons, ligaments, muscles and nerves, repair themselves.

Light energy enters damaged cells and stimulates inter-cellular activity. This reduces pain in the area and speeds recovery of the damaged cells. Once the cells recover, the healing process is complete.

WHAT ARE THE BIOLOGICAL EFFECTS OF LASER THERAPY?

Analgesic

- Blocking of pain stimulus conduction
- Hyperemia and “wash out” of algogenic substances
- Increase in endorphin synthesis
- Pain threshold modulation

Anti-Inflammatory

- Increase in the caliber and modulation of lymphatic and capillary vessel permeability
- Hyperemia and “wash out” of the pro-inflammatory molecules

Bio Stimulating

- Increase in the supply of nutrients, oxygen, and growth factors
- Modulation of cell proliferation and differentiation (i.e., nerve regeneration)
- Cellular function activation
- Increase of matrix protein synthesis
- Reduction of scar tissue formation



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PLANTAR FASCIITIS

FOCUS/GOAL: chronic or acute pain on the plantar aspect of the foot. Typically, the origin of the pain is at the medial proximal portion of the heel, near the origin of the plantar fascia.

TREATMENT EXAMPLE: 10-12 treatments initially in combination with other non surgical modalities.

RESULTS: Excellent

ACHILLES TENDONITIS

FOCUS/GOAL: Goal is to reduce inflammation to point where patient can resume full activity with less anxiety about a rupture.

TREATMENT EXAMPLE: Treat site of maximum achilles pain; start with 12 treatments, let patient know they may need more. The doctor usually combines laser treatments with physical therapy.

RESULTS: Excellent

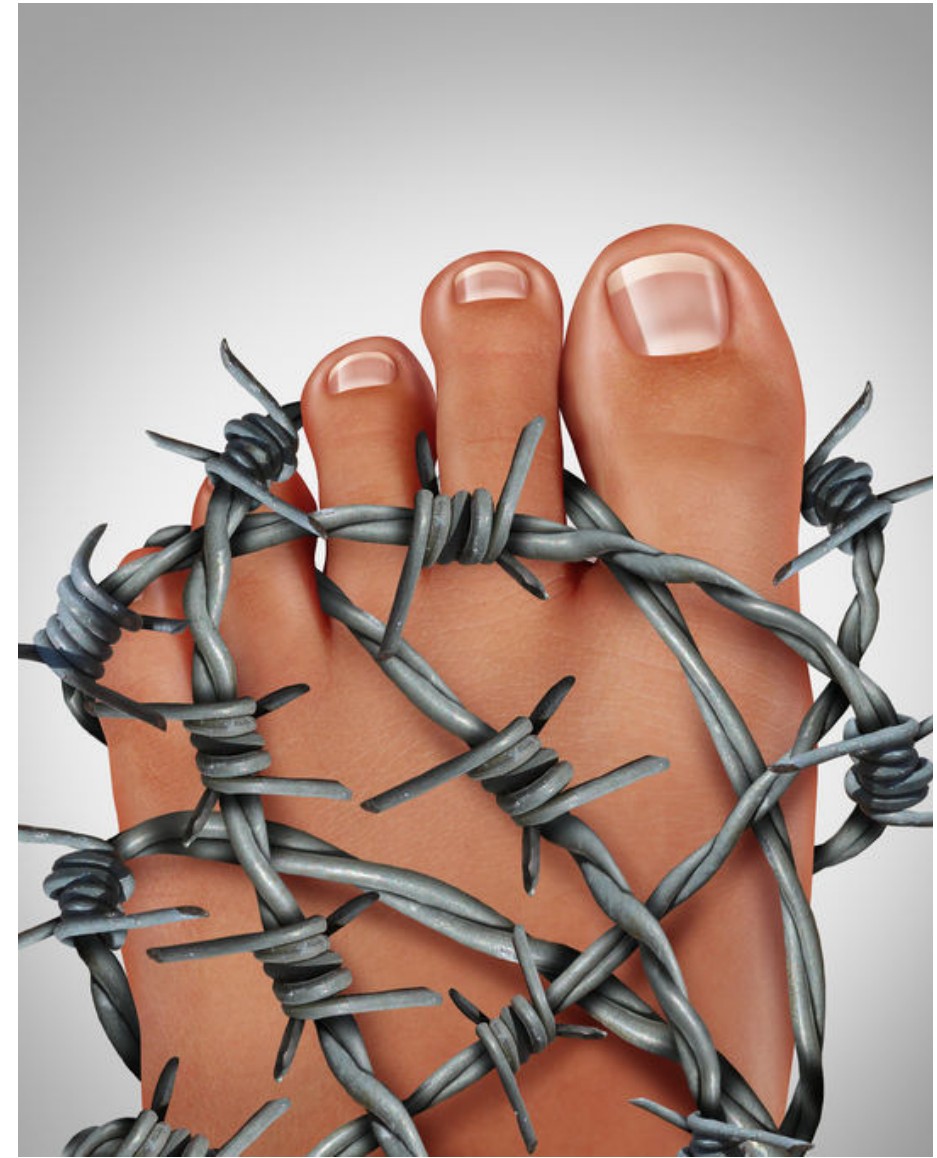
ARTHRITIC CONDITIONS

FOCUS/GOAL: Educate patient on Laser Therapy to properly manage expectations. The doctor explains that we're treating inflammation caused by arthritis, and not to expect the arthritis to "go away"

TREATMENT EXAMPLE: 10-12 treatments, then moderate number from there based on results achieved. Often combined with PT and NSAIDS.

RESULTS: Good

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NEUROMAS

FOCUS/GOAL: Focus is on the inflammation of the actual nerve.

TREATMENT EXAMPLE: 10-12 treatments, then moderate number from there based on results achieved. Often combined with PT and NSAIDS.

RESULTS: Good

POST-OP PAIN & SCARRING

FOCUS/GOAL: Reduce swelling, inflammation and scarring. Speed up recovery.

TREATMENT EXAMPLE: 10-12 treatments

RESULTS: Very good.



HEEL PAIN

FOCUS/GOAL: Reduce inflammation and pain, speed up recovery time

TREATMENT EXAMPLE: 12-15 treatments

RESULTS: VERY effective. Greater than 90% of patients have experienced significant pain relief.

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About Cutting Edge Laser Technologies

Cutting Edge is an industry leader in pain management providing MLS® Laser Therapy technology to medical professionals worldwide.

The innovative and patented Multiwave Locked System (MLS) Therapy Laser is an FDA 510k-cleared Class IV therapy laser used to alleviate pain, reduce inflammation, promote healing and restore mobility. This breakthrough technology offers a new revenue stream and a clinically validated, non-invasive, drug-free way to help patients suffering with refractory chronic pain and injury.

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