

Core Strategies for Systemic Inflammation & Chronic Pain

Dr. Andre J. Camelli, DC

Course Description:

This course is designed to educate healthcare providers on the current health challenges many patients are presenting with on a daily basis. The main topics will be current epidemics of chronic pain, metabolic syndrome, autoimmunity, brain inflammation and cognitive decline. Dr. Andre Camelli will introduce low-level laser technology (LLLT) or photobiomodulation as a very effective core technology to add to your practice. Lasers will be the cornerstone of many treatment protocols covered. Dr. Camelli will take a close look at mitochondrial dysfunction, systemic inflammation, and chronic pain syndromes and recommend practical applications of LLLT for improving overall quality of life. Combining LLLT with the appropriate lifestyle modifications improves the underlying major issues of dysfunction effecting mitochondrial enhancement and reduction of systemic inflammatory conditions. Attendees will receive common threads, **“Dr. Camelli’s Core Strategies”**, of most health challenges their patients are currently presenting upon office visits.

Don’t miss this exciting opportunity to take your practice to the next level!

Learning Objectives:

- Understand common conditions and how low-level laser affects treatment outcome
- Understand Neuroinflammatory Cascades, Gliosis, and Cognitive Decline
- Support technological advances through understanding back pain statistics and data
- Breakdown photobiology & low-level laser and how it applies to office visit
- Demonstrate clinical outcomes through workshops on various common conditions by analyzing symptoms and evaluation of clinical tests
- Differentiate scientifically based laser applications of diverse nanometers for introductory and advanced patient applications
- Integrate protocols for improved patient outcomes and wellness

Seminar Topics:

- Intro to basic laser & physiology of photobiomodulation
- Understanding dysfunctional mitochondria, increased oxidative stress & accelerated aging
- LLLT’s role in improving the function of mitochondria
- Basic evaluation, anatomy & neurology of laser applications for FDA Market Clearances
- Understanding neuroinflammatory cascades, gliosis and cognitive decline
- LLLT applications to downregulate NF Kappa Beta & other epigenetic triggers of neurodegeneration
- Strategies & protocols to support the brain

Laser treatment, demonstration & workshops for:

- Low back pain
- Plantar fasciitis, chronic heel & foot pain
- Violet laser
- Chronic neck pain
- Shoulder pain

8:30-9:00am Registration

9:00-10:00am Intro to basic laser and basic physiology of photobiomodulation.

(Basic Sciences)

Understanding Dysfunctional Mitochondria,
Increased Oxidative Stress, Accelerated Aging, LLLT Role in improving the function of Mitochondria.

- 10:00-11:00am Basic evaluation, anatomy, and neurology of laser applications for FDA clearance on low back pain. **(Examination Procedures / Diagnosis)**
 Basic evaluation, anatomy, and neurology of laser applications for FDA clearance on plantar fasciitis, chronic heel and foot pain.
- 11:00-11:15am Break
- 11:15-12:15pm Low back pain treatment demonstration. **(Examination Procedures / Diagnosis)**
 Review the FDA clearance study on low back pain including patient positioning on the treatment table, laser frequency, duration, and positioning.
 Plantar fasciitis, chronic heel and foot pain treatment demonstrations and hands on foot and ankle workshop.
 These sections will include a review of FDA clearance study on laser placement for the treatment on plantar fasciitis, patient placement, and discussion of dorsal pedal blood flow, volume, and perfusion.
- 12:15-12:45pm Understanding Neuroinflammatory Cascades, Gliosis, and Cognitive Decline. **(General Clinical)**
 Applications to downregulate NF Kappa Beta and other epigenetic triggers of neurodegeneration.
 Basic Applications and Demo
 This section will discuss the differences in technology
- 12:45-1:15pm Lunch
- 1:15-1:45pm Understanding Neuroinflammatory Cascades, Gliosis, and Cognitive Decline. (Continued) **(General Clinical)**
- 1:45-2:45pm Understanding Chronic Neck and Shoulder Pain evaluation, and treatment demonstration **(Examination Procedures / Diagnosis)**
- 2:45-3:00pm Break
- 3:00-4:00pm Basic Violet Laser Applications, Unique properties of 405nm, and Demo **(General Clinical)**