

The Review: A Comprehensive Analysis of Today's Healthcare Topics

Northwestern Health Sciences University

DATE: Jan 28-29, 2023

HOURS: 14

LOCATION: Palo Alto, CA or Live Webinar

INSTRUCTORS: Dan Murphy, DC, DABCO and Trevor Berry, DC, DACNB

SATURDAY

8am – 5:30 pm

8:00 – 9:00 a.m. -
(Dr. Dan Murphy)

Laser Physiology (Basic Sciences)

Discuss the biphasic nature of laser photon therapy, wavelength, frequency, speed of light, fluence, penetration, secondary and primary physiological influences.

9:00 – 10:00 a.m. -
(Dr. Dan Murphy)

Low-Level-Lasers for All (Basic Sciences)

Integrating the relationship between mitochondria, free radicals, ATP, cytochrome c oxidase enzyme, and laser photon therapy

10:00 – 10:15 a.m. –

Break

10:15 a.m. – 11:15 a.m. –
(Dr. Trevor Berry)

Advanced Brain Protocols (Exam Procedures/Diagnosis)

Introduction to barrier systems (Leaky gut/Leaky brain), lab markers and clinical implications for CNS pathogens

11:15 a.m. – 12:15 p.m. –
(Dr. Trevor Berry)

Basic Neurological Bedside Examination with LLLT as a Diagnostic and Therapeutic Tool (Exam Procedures/Diagnosis)

- Basic and advanced brain protocols
- Vagal nerve stimulation protocols and barrier system repair
- Lab markers and nutrition for barrier systems
- Hands on demo CNS algorithm

12:15 – 1:15 p.m. –

Lunch

1:15 p.m. – 2:15 p.m.
(Dr. Trevor Berry)

Neurochemistry and Related Disorders and How LLLT can be used

Neurological conditions and treatment applications (**Exam Procedures/Diagnosis**)

2:15 p.m. – 3:15 p.m. -
(Dr. Dan Murphy)

Introduction to the neurology of pain (Adjustive Technique)

- Centralization of pain and PNS to CNS upstream pain LLLT algorithm
- Midline stabilization, fall prevention and balance integration
- Hands on demo for neurology of pain to set Dan up for his next 4 hours of clinical management as stated above.

3:15 – 3:30 p.m. –

Break

3:30 – 4:30p.m. -
(Dr. Dan Murphy)

Applications for Violet Lasers in a Rapidly Changing World (Basic Sciences)

- Review the evolutionary biology of the changes in the modern world.
- Review the literature that points out the applications of violet light therapy as an adjunct solution for these changes.

4:30-5:30p.m. –
(Dr. Dan Murphy)

The Unique Characteristics of Violet Light Therapy (Basic Sciences)

- Clinical applications for low-level violet laser therapy
- Future applications for low-level violet light therapy

SUNDAY

8am – 2:30 pm

8:00 – 9:00 a.m. -
(Dr. Dan Murphy)

Low Back Pain Protocol (Exam procedures/Diagnosis)

Protocol for chronic low back pain; integrating the disc, posture, adjustment and exercise.

9:00 – 10:00 a.m. -
(Dr. Dan Murphy)

Whiplash Protocol (Exam procedures/Diagnosis)

Protocol for acute whiplash; integrating controlled motion and anti-inflammation.

10:00 – 10:15 a.m. –

Break

10:15 – 11:15 a.m. -
(Dr. Dan Murphy)

Thoracic Outlet Syndrome (Exam procedures/Diagnosis)

Protocol for thoracic outlet syndrome; common causes, symptoms & weaknesses and treatment

11:15 – 12:15 p.m. -
(Dr. Dan Murphy)

Temporomandibular Joint Disorder Syndrome (Exam Procedures/Diagnosis)

Protocol for temporomandibular joint disorder syndrome; common causes, symptoms & weaknesses and treatment

12:15 – 12:30 p.m.

Break

12:30 p.m. – 2:30 p.m. -
(Dr. Trevor Berry)

Neurological conditions and case studies (Exam Procedures/Diagnosis)

- LLLT and mirror therapies/advanced neuro rehab for complex conditions
- Trigeminal neuralgia
- Tinnitus
- Course review and closing remarks