

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

Northwestern Health Sciences University

DATE: Jan 26-27, 2024

HOURS: 14

LOCATION: Live Stream Webinar

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

Key topics to be discussed include brain health, pain management, cellular health, ATP issues, neurological conditions and much more. The ever growing and changing list of healthcare issues is causing calamity within the current healthcare model, leaving many doctors without the tools and knowledge to help their patients.

Drs. Murphy and Berry will dissect these issues by providing an astute breakdown of peer reviewed literature, and clinical gems that you can simply and successfully implement into your practice. They will be your professional guides by sharing ways you can deliver modern medical techniques and low-level laser technology to improve the health and well-being of you and your patients. Their wealth of knowledge and experience is available to you either in-person or via live stream.

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

10:15 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

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.

3:30 – 4:30p.m.
(Dr. Dan Murphy)

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

- Review the evolutionary biology of the 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.

10:15 – 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

12:30 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