



SEPT 8<sup>th</sup>, 9<sup>th</sup>, 2018  
Scottsdale, AZ

# VITALITY—

by Dr. Dan Murphy, DC, DABCO

**Anti-Aging, Performance  
and Healthy Living Seminar  
with Advanced Session**

Advanced Breakout Session with  
Jerome Rerucha, DC, BS, CSCS, CHPS



Seminar Topics:

- Identifying the primary healthcare issues in America today.
- An overview of our current healthcare delivery system concepts in improving America's healthcare.
- **Photobiology - Low Level Laser and how it applies to office visit**
  - Attended/Unattended laser applications (Jerome Rerucha, DC, BS, CSCS, CHPS)

#### Adenosine Triphosphate (ATP)

- Discuss the importance of ATP in human physiology
- Learn key physiological functions of ATP
- Discuss problems with inadequate production of ATP

- **Mitochondria.** Discuss the importance of the mitochondria in health and disease. Discuss the relationship between the mitochondria, free radicals and ATP.

- **Laser Photon Therapy.** Discuss the relationship between mitochondria, free radicals, ATP, cytochrome c oxidase enzyme, and laser photon therapy.

- **Laser Physiology.** Discuss the biphasic nature of laser photon therapy, wavelengths, amperage, penetration, secondary and primary physiological influences.
- **Brain function:** trauma, degenerative, vascular.
- **Systemic wellness and peak performance (upregulation).**
- **Chronic low back pain.**
- **Acute whiplash.**
- **Scar tissue and the fibrosis of repair.**

#### Featured Bonus:

Advanced Breakout Session with Jerome Rerucha, DC, BS, CSCS, CHPS

Sat: 1:15PM-4:30PM (Optional):

- \* Class Requirement: Erchonia Laser Owner
- \* Pre-registration Required, Limited Space Available



Co-Sponsored by:



**ERCHONIA**  
World Leaders in Low Level Laser Technology



Northwestern Health  
Sciences University

**Seating is limited—  
register today!**

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# VITALITY—

## Anti-Aging, Performance and Healthy Living Seminar with Advanced Session

### About The Seminar

Find out how to make a difference in America's healthcare starting with your patients from research expert Professor, Dr. Dan Murphy, DC, DABCO. Dr. Dan Murphy offers the highest quality learning courses validated by scientific research. In this course, Dr. Murphy will educate on structure and function throughout the nervous system and the entire body for systemic wellness; including, but not limited to ATP, mitochondria, laser therapy, brain function, low back pain, nutrition and state-of-the-art technologies that are tailor-made for expert chiropractic care. The knowledge and skills you learn in this course can be applied immediately when you return to the office! Dr. Jerome Rerucha will demonstrate many hands-on clinical applications including a 3 hour Advanced Session\*.

### About Daniel Murphy, DC, DABCO

Daniel Murphy, DC, DABCO is a well-recognized, award winning chiropractor and a popular instructor who teaches internationally while maintaining a part-time clinical practice. He has taught over 1,610 twelve-hour postgraduate continuing education classes. He also serves as part-time undergraduate faculty professor at Life Chiropractic College West, where he is currently teaching classes to seniors in the management of spinal disorders. He has taught post-graduate classes for a long list of chiropractic colleges and individual programs. He is a contributing author to several books and a quarterly columnist in the American Journal of Clinical Chiropractic. From 2003 – 2009, Dr. Murphy served as the Vice President of the International Chiropractic Association. In 2014, he was awarded the Lifetime Achievement Award from the International Association of Functional Neurology and Rehabilitation (IAFNR).

### Seminar Cost \$75\*

Follow us on Social Media...Something ***BIG*** is Coming!

### CE Hours

States Applied for: AZ, UT, NV, CA, NM, CO

If you need hours for other states, please contact NWHSU before the seminar at 800-888-4777. Certain restrictions apply. \*\$75 extra for CEs (if needed). Not all states covered. CE Hours are applied for by Northwestern Health Sciences University to the chiropractic state licensing boards. Transcripts are sent out quarterly. If you need your transcript sent earlier, please contact NWHSU at 800-888-4777 x446.

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Registration at 7:30am  
Sat 8:00am - 5:30pm  
Sun 8:00 am - 12:15pm



The Westin Kierland  
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Scottsdale, AZ 85254  
Phone: (480) 624-1000



12 CEs Applied

***This is a must see educational seminar with the one  
and only Professor, Dr. Dan Murphy, DC, DABCO!***



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