

# ***VITALITY – by Dr. Dan Murphy, DC***

**~Poly-Therapeutic Intervention for Improved Clinical Outcomes~**

Professor and research expert Dr. Dan Murphy DC, DABCO offers only the highest-level learning courses validated through extensive scientific research and proven techniques he has perfected through not only running his own full-time practice, but how he lives his daily life. He now travels the world to share the expertise he has garnered over the last 40 years with physicians who desire to take their skills to the next level. In this **NEW** 12-hour course, Dr. Murphy, DC will educate on structure and function revealed through a poly-therapeutic intervention that will improve clinical outcomes. Dr. Murphy, DC will explain topics ranging from Chiropractic care, laser therapy, ATP, mitochondrial function, diet, exercise, brain health, low back pain and state-of-the art technologies that are tailor-made for expert chiropractic care by managing common clinical syndromes. ***The knowledge and skills you acquire during this action-packed 2-daycourse will change your life, your practice and your patient's lives!***

## **Learning Objectives**

- Assess America's Health by identifying the primary healthcare issues in America today
- Breakdown the Essential Eight factors/habits that improve health, reduce the risk of health problems that would otherwise require provider interventions
- Summarize Mechanical Integrity - the importance of mechanical integrity with an emphasis on inflammation, fibrosis, and mechanical neurology
- Breakdown photobiology & low-level laser and how it applies to office visit
- Outline the importance of blood flow as the key component of human physiology, with an emphasis on mitochondrial ATP production
- Summarize the importance of the mitochondria in health and disease and discuss the relationship between the mitochondria, free radicals and ATP
- Summarize & Evaluate the importance of ATP in human physiology
- Learn key physiological functions of ATP
- Support the relationship between mitochondria, free radicals, ATP, cytochrome c oxidase enzyme, and laser photon therapy through basic sciences
- Integrate biphasic nature of laser photon therapy, wavelengths, amperage, penetration, secondary and primary physiological influences
- Differentiate scientifically based laser applications of diverse nanometers for introductory and advanced patient applications
- Discover protocol for brain function: trauma, degenerative, vascular
- Demonstrate protocol for chronic low back pain
- Apply protocol for acute whiplash
- Integrate protocol for scar tissue and the fibrosis of repair

## **Saturday**

### **8:00 – 9:00 a.m. - Clinical Physiology (Principles of Practice/Philosophy)**

Integrating infection, evolution, immunity, inflammation, fibrosis, blood flow, mitochondria, ATP, oxidative stress, and DNA.

### **9:00 – 10:00 a.m. - Chiropractic for All (Philosophy of Chiropractic)**

Integrating mechanical integrity in gravity, weight, load, levers, posture, mechanoreception, mechanotransduction, mechanobiology, tensegrity, neurology, blood flow, and DNA.

**10:00 – 10:15 a.m. – Break**

**10:15 – 11:15 a.m. - Healthy Diet for All (Nutrition)**

Integrating high vegetable, low lectin, low glycemic dietary habits.

Discussing problems with refined carbohydrates, monosodium glutamate, aspartame, and chemical toxins.

**11:15 – 12:15 p.m. - Exercise for All (Physical Therapy)**

Integrating high intensity interval training, weight lifting, brain derived neurotrophic factor, human growth hormone, and interleukin-10.

**12:15 – 1:15 p.m. – Lunch**

**1:15 – 2:15 p.m. - Laser Physiology (Basic Sciences)**

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

**2:15 – 3:15 p.m. - Low-Level-Lasers for All (Basic Sciences)**

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

**3:15 – 3:30 p.m. – Break**

**3:30 – 4:30 p.m. - Supplements for All (Nutrition)**

Review why all people need between 5-8 different supplements and why.

**4:30 – 5:30 p.m. - Gut Protocol (Basic Sciences)**

Protocol for influencing immunology and the brain through the intestinal tract; integrating the vagus nerve and the nucleus tractus solitarius.

**Sunday**

**8:00 – 9:00 a.m. - Brain Protocol (Basic Sciences)**

Protocol for brain function; integrating trauma, degenerative, and vascular compromise.

**9:00 – 10:00 a.m. - Low Back Pain Protocol (Basic Sciences)**

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

**10:00 – 10:15 a.m. – Break**

**10:15 – 11:15 a.m. - Whiplash Protocol (Basic Sciences)**

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

**11:15 – 12:15 p.m. - Fibrosis/Scar Protocol (Basic Sciences)**

Protocol for remodeling scar tissue and the fibrosis of repair.