

**Vitality – By Dr. Dan Murphy**  
**Dan Murphy, DC, DABCO**  
**Seminar Outline 2018**

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| <b>Saturday</b>   | <b>Start time 8:00 am End time 5:30 pm</b>                          |
| <b>Registration</b>   | 7:30AM-8:00AM   |
| <b>Identifying the primary healthcare issues in America today</b>   | 8:00AM-9:00AM<br>(Special Population Care)                          |
| <b>An overview of our current healthcare delivery system</b><br>-Concepts in improving America's healthcare   | 9:00AM-10:00AM<br>(Special Population Care)                         |
| <b>Break</b>  | 10:00AM-10:15AM   |
| <b>Adenosine Triphosphate (ATP)</b><br>-Discuss the importance of ATP in human physiology<br>-Learn key physiological functions of ATP                                | 10:15AM-11:15AM<br>(Instruction in Basic Sciences)                  |
| <b>Discuss problems with inadequate production of ATP</b>   | 11:15AM-12:15PM<br>(Instruction in Basic Sciences)                  |
| <b>Lunch</b>  | 12:15PM-1:15PM  |
| <b>Mitochondria</b><br>-Discuss the importance of the mitochondria in health and disease<br>-Discuss the relationship between the mitochondria, free radicals and ATP | 1:15PM-2:15PM<br>(Instruction in Basic Sciences)                    |
| <b>Laser Photon Therapy</b><br>-Discuss the relationship between mitochondria, free radicals, ATP cytochrome c oxidase enzyme, and laser photon therapy               | 2:15PM-3:15PM<br>(Instruction in Basic Sciences)                    |
| <b>Break</b>  | 3:15PM-3:30PM   |
| <b>Laser Physiology</b><br>-Discuss the biphasic nature of laser photon therapy, wavelengths, amperage, penetration, secondary and primary physiological influences   | 3:30PM-4:30PM<br>(Instruction in Basic Sciences)                    |
| <b>Brain function: trauma, degenerative, vascular</b>   | 4:30PM-5:30PM<br>(History Taking & Physical Examination Procedures) |

**Sunday** **Start time: 8:00AM End time: 12:15PM**

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| <b>Systemic wellness and peak performance (up-regulation)</b> | 8:00AM-9:00AM<br>(Chiropractic Adjustive Technique)   |
| <b>Chronic low back pain</b>                                  | 9:00AM-10:00AM<br>(Chiropractic Adjustive Technique)  |
| <b>Break</b>  | 10:00AM-10:15AM                                       |
| <b>Acute whiplash</b>   | 10:15AM-11:15AM<br>(Chiropractic Adjustive Technique) |
| <b>Scar tissue and the fibrosis of repair</b>                 | 11:15-12:15PM<br>(Chiropractic Adjustive Technique)   |

## **Erchonia California Technique Hours**

### **Systemic Wellness and Peak Performance**

- Show how spinal adjusting influences the catecholamine profile of the brain (using radioactive glucose and PET scanning, and salivary amylase levels) pre and post spinal adjusting.
- Review the adjustive clinical anatomy to support the technique.
- Show how spinal adjusting influences muscle performance through spinal cord reflexes.

### **Chronic Low Back Pain**

- The patho-anatomy of chronic low back pain and how it is influenced by spinal adjusting
- The biomechanical correction of pelvic obliquity
- The clinical goals, set-up and line-of-drive thrust of the epicyclic flexion low back spinal adjustment

### **Acute Whiplash**

- Review the patho-anatomy of whiplash injury to the facet capsular ligaments
- Review the approach and clinical goals to the adjustment of the injured facet joints.
- Review the anatomy and the adjustment of the unciniate joints of the cervical spine

### **Scar Tissue and the Fibrosis of Repair**

- Learn the evolutionary reason for peri-articular fibrosis, and how it impairs joint mobility.
- Learn the concept of motion as it positively influences the fibrosis of repair, including discussing the three categories of motion.
- Show how spinal adjusting is unique in its ability to improve joint biomechanics by remodeling peri-articular para-physiological space range of motion.