

**Vitality – By Dr. Dan Murphy  
With Advanced Session  
Dan Murphy, DC, DABCO & Jerome Rerucha, DC  
Seminar Outline 2018**

<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 (Population)	
<b>An overview of our current healthcare delivery system</b> -Concepts in improving America's healthcare	9:00AM-10:00AM (Population)	
<b>Break</b>	10:00AM-10:15AM	
<b>Photobiology / Low Level Laser and how it applies to office visit</b>	10:15AM- 10:30AM (Jerome Rerucha, DC) (General Clinical)	
<b>Attended application (Upregulation); Hoppenfeld Myotome Testing C5 - T1</b>	10:30AM-10:45AM (Jerome Rerucha, DC) (General Clinical)	
<b>Integration of Low Level Laser and Percussion</b>	10:45AM- 11:00AM (Jerome Rerucha, DC) (General Clinical)	
<b>Unattended Low Level Laser application for posture correction;</b> -Posture Pump	11:00AM-11:15AM (Jerome Rerucha, DC) (General Clinical)	
<b>Adenosine Triphosphate (ATP)</b> -Discuss the importance of ATP in human physiology -Learn key physiological functions of ATP <b>Discuss problems with inadequate production of ATP</b>	11:15AM-12:15AM (Other)	
<b>Lunch</b>	12:15PM-1:15PM	
<b>Mitochondria</b> -Discuss the importance of the mitochondria in health and disease -Discuss the relationship between the mitochondria, free radicals and ATP	1:15PM-2:15PM (Other)	
<b>Laser Photon Therapy</b> -Discuss the relationship between mitochondria, free radicals, ATP, cytochrome c oxidase enzyme, and laser photon therapy	2:15PM-3:15PM (Other)	
<b>Break</b>	3:15PM-3:30PM	
<b>Laser Physiology</b> Discuss the biphasic nature of laser photon therapy, wavelengths, amperage, penetration, secondary and primary physiological influences	3:30PM-4:30PM (Other)	-
<b>Brain function: trauma, degenerative, vascular</b>	4:30PM-5:30PM	

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

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

**Saturday Breakout Session-Jerome Rerucha, DC** **Start Time: 1:15PM End Time: 4:30PM**

<b>Introduction and review of (Base Station) laser applications</b>	1:15PM–1:30PM (Jerome Rerucha, DC) (General Clinical)
<b>Gait / Testability / Switching</b>	1:30PM-1:45PM (Jerome Rerucha, DC) (General Clinical)
<b>Gait / Testability / Switching Workshop</b>	1:45PM–2:00PM (Jerome Rerucha, DC) (General Clinical)
<b>Sympathetic/Parasympathetic balance = red / violet</b>	2:00PM-2:15PM (Jerome Rerucha, DC) (General Clinical)
<b>Sympathetic/Parasympathetic balance = red / violet work shop</b>	2:15PM-2:45PM (Jerome Rerucha, DC) (General Clinical)
<b>Sympathetic/Parasympathetic balance =Cranial Nerves CN III, IV, IV, V</b>	2:45PM-3:15PM (Jerome Rerucha, DC) (General Clinical)
<b>Break</b>	3:15PM-3:30PM
<b>Ideal Posture - Scars / fascial Release with Percussion Scars / Structural Dynamics - Workshop</b>	3:30PM-4:30PM (Jerome Rerucha, DC) (General Clinical)