

**Healthy Aging!**  
**Dan Murphy, DC, DABCO**  
**Seminar Outline 2016**

<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 (Special Population Care)
<b>An overview of our current healthcare delivery system</b> -Concepts in improving America's healthcare	9:00AM-10:00AM (Special Population Care)
<b>Break</b>	10:00AM-10:15AM
<b>Adenosine Triphosphate (ATP)</b> -Discuss the importance of ATP in human physiology -Learn key physiological functions of ATP	10:15AM-11:15AM (Instruction in Basic Sciences)
<b>Discuss problems with inadequate production of ATP</b>	11:15AM-12:15PM (Instruction in Basic Sciences)
<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 (Instruction in Basic Sciences)
<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 (Instruction in Basic Sciences)
<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 (Instruction in Basic Sciences)
<b>Brain function: trauma, degenerative, vascular</b>	4:30PM-5:30PM (History Taking & Physical Examination Procedures)

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