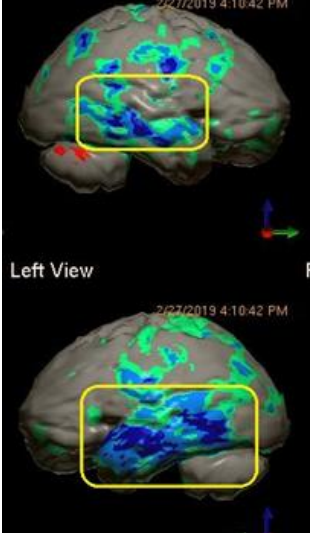


Patient 001

**NEURO-LUMINANCE**  
**BRAIN HEALTH CENTERS**      Denver  
*Illuminating pathways to a Healthy Brain*      855-978-0808  
 Neuro-Luminance.com

**Patient 001:**

19 yo male with history of TBI due to being struck in the head with a baseball during a semi-professional game - 3 years prior to treatment.

<i>Before Treatment</i>		<b>SPECT Scan</b>	
Headache	✓		
Hyperarousal	✓		
Sleep disturbance	✓		
Memory Problems	✓		
Cognitive Problems	✓		
Balance Problems	✓		
Depression	✓		
Anxiety	✓		
Suicidal Ideation	✓		
Irritability	✓		

**Patient received 20 treatments with Multi-Watt Infrared Laser over approximately 9 weeks.**

After treatment, the patient reported marked subjective improvement. “My symptoms are way better. I am working three jobs now!” Most symptoms resolved, except sleep disturbance, headache, and mild anxiety.

<i>After Treatment</i>		<b>SPECT Scan</b>	
Headache	✓	ND	
Hyperarousal			
Sleep disturbance	✓		
Memory Problems			
Cognitive Problems			
Balance Problems			
Depression			
Anxiety	✓		
Suicidal Ideation			
Irritability			

**Additional Quantitative Measures of Treatment Response (out of 17 measures)**

