



### **1.) Basic Visual System Neurology**

- Visual systems impact on self-organization
- Understanding the importance of identifying “where” load is needed for positive change

### **2.) Applied Neurology of the Visual System**

- How the visual system helps coordinate movement output
- How the visual system impacts the level of “tone” expressed in muscles
- Neural pathways that help utilize eye movement to direct body movement

### **3.) Neurology of Intention**

- How the eyes influence the intention behind our movement
- Step by step sequence of how intention leads to movement & its rehab implications

### **4.) Visual System & Motor Learning**

- Identifying visual subsystems & their load tolerance
- Importance of identifying load discrepancies in the visual system for rehabilitation

### **5.) The Five Eye Movement Systems**

- What are they?
- How do they influence movement of the body?
- How to address them?

### **6.) How to Get Buy-In When Integrating the Visual System**

- Practical assessments to identify sensory re-weighting ability
- Identify if the brain is over-reliant on the eyes for movement & the rehab implications

### **7.) Practical Assessments & Integration**

- Identify load capacity & coordination of all eye muscles/movements in all directions
- How to identify compensation strategies

## **8.) Practical Interventions**

- Rehab interventions to address poor load tolerance
- Rehab interventions to combine with isometric loading of body segments
- How to add more challenge via speed and altering body positions