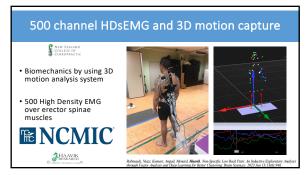




High Density Surface Electromyography (HDsEMG)		
HDsEMG electrodes	Activation MAP	EMG Decomposition
64 chanels		U U U U U U U U U U U U U U U U U U U
C Haavik Nesearch 2024	Robinault, Holobar, Crémoue, Rashid, Niazi, Holt, Lauber & Haavik. Th Special Issue: Mechanisms and Application of Clinical Neurophysiolog	ie Effects of Spinal Manipulation on Motor Unit Behavior. Brain Sciences: y: State of the Art. 11(1), 103 <u>; Intest/Idoi.org/10.3350/brainsc/110101</u> 03
10		

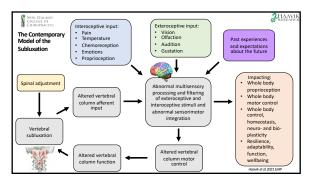


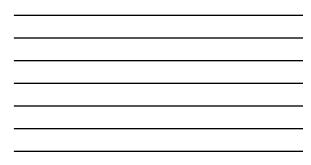


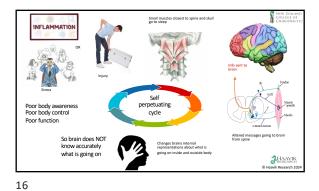




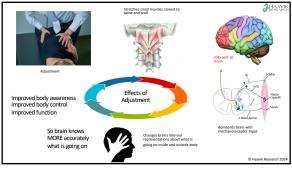




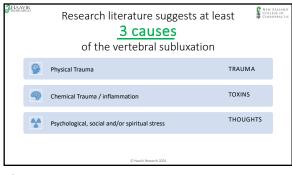


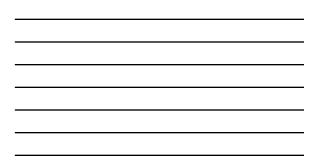


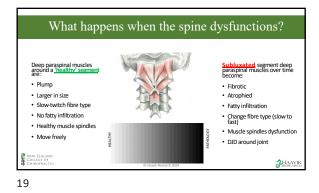




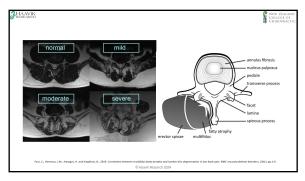


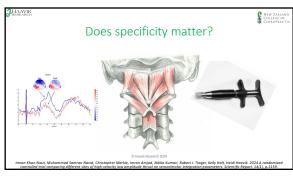


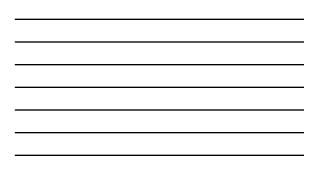


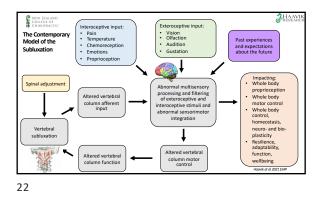


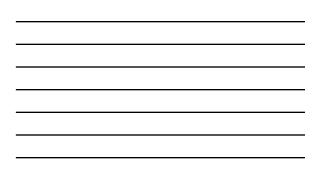








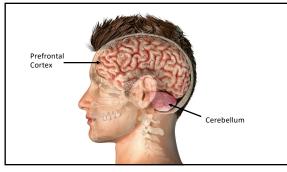




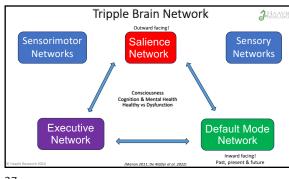


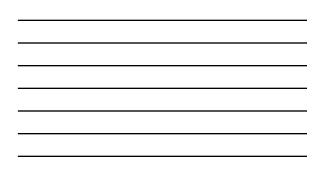


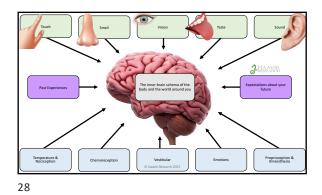


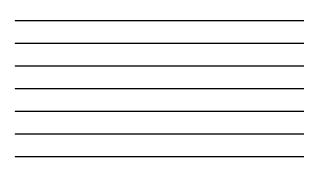


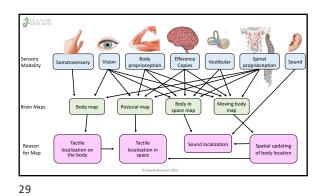


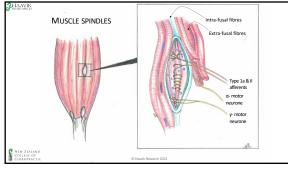




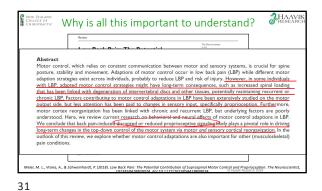




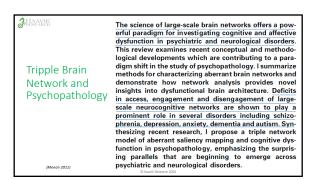


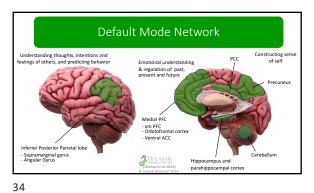


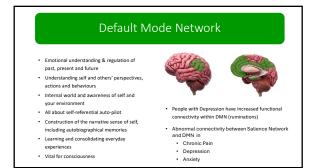


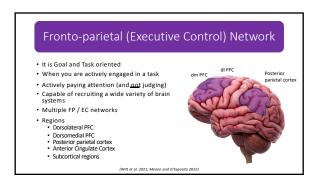


Tripple Brain Network & Consciousness 344400 Outward facing! Sensorimotor Salience Network Networks Threat detection Monitors internal and external stimuli Directs attention towards most important (salient) Goal & task oriented Goal & task offented
Pay attention (& not judging)
Focus on tasks
Column and tasks Self-referential thinking Introspection Processing of emotions
 and memories Solve problems stimuli in environment, body or thoughts 1 Make decisions Our story of self Executive **Default Mode** Network Network Inward facing! Past, present & future (De Ridder et al. 2022)

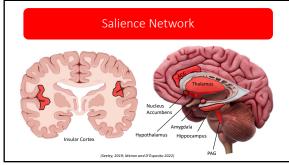












Salience Network

(Seeley, 2019; Menon and D'Esposito 2022)

- Salience = what stands out to you, what draws your attention, most homeostaticly-relevant information at any given point in time
- Constantly scanning for threats to your survival
- Receives, assesses and responds to internal and external stimuli of both positive and negative valence
 If an event is internally appraised by your brain as an actual or potential threat to you, the event is deemed salient and attentional resources are relocated toward that event. Important for learning/plasticity (What you pay attention to drives plasticity)

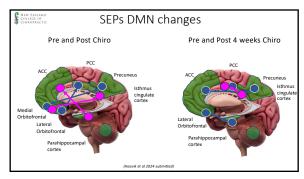




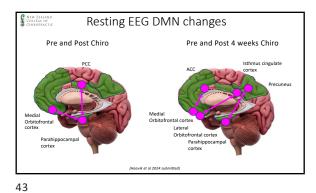














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