

Non-medical and Investigational Uses of Noninvasive Neuromodulation

Session Topics

- What is the type and extent of non-medical use?
- What are the known benefits and risks associated with use?
- What opportunities and challenges exist around non-therapeutic use, including over-the-counter and consumer-initiated use?
- Are mechanisms and outcomes of use different between adults and children?
- How is non-invasive neuromodulation used for diagnostic and investigational purposes?

Non-medical and Investigational Uses

- Robert Chen
 - Overview talk about non-medical, diagnostic, and investigational uses
 - Applications for dementia, PD, ALS, presurgical epilepsy
- Dylan Edwards
 - An overview of how people are using brain stimulation to attempt to enhance visuo-motor skills and motor performance in domains such as gaming, sports, and the military.
- Roi Cohen Kadosh
 - Cognitive enhancement via neuromodulation
 - Supervised research/investigational setting versus over-the-counter, including DIY
 - Safety issues
- Daniel Wetmore
 - Commercialization of the technology for nonmedical use/cognitive enhancement
 - Case example: Thync and the experience of a consumer-facing company.
- Mike Fox
 - Effects of nonmedical stimulation paradigms: mechanism of action
 - Gaps in knowledge re repetitive use, safety