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Brain-Computer Interface Persuasive paragraph

Brain-computer interfaces are an inextricable technology in the process of cognitive assessment and training. Multiple pieces of research have demonstrated that the Brain-computer interface is broadly integrated into the clinical domain to restore important functions to patients disabled by neuromuscular disorders like cerebral palsy, amyotrophic lateral sclerosis, or stroke (Qian et al. 3). It is pertinent to note that with the current advancements in technology, clinical professionals are employing the Brain-computer interface to acquire patients' brain signals, examine them, and eventually decode them into specified commands, which perform the desired actions of cognitive assessment and training. While the brain-computer interface under cognitive process aids patients with extreme motor disorders, the cognitive process enhances patient’s engagement and motivation to improve neural plasticity. Presumably, the brain cognitive interface technology in patients is not widely applied since it is highly expensive, needs excessive training, and lacks a better sensor modality. Unless there exists another substantial research of brain-computer interface application on clinical purposes that have not yet been published.

Works Cited

Qian, Xing, et al. "Brain-computer-interface-based intervention re-normalizes brain functional network topology in children with attention deficit/hyperactivity disorder." Translational psychiatry 8.1 (2018): 1-11.