

@Train

@Train is Brain computer Interface device for neurofeedback training for both the elderly whose brain is near to Alzheimer's and ADHD children. The novelty of this work is at algorithm of waveform scoring pattern to link with attentional mode of cognition used in daily life (patent in progress). This pattern is designed to boost up concentration holding ability-valence-phasic mode of focusing related with training elderly for daily survive and practice brain. We did pilot study found that our @Train can improve working memory, concentration in both healthy and early Alzheimer's patients .

Our novelty , The first is croky adventure game , spatial designed cognitive training, The second is the headset connecting program with more stability, The third is new algorithm to train multi modal attention with clinical application. This is Still in the process of applying for a patent.

The brainwave training system will be distributary used in daily life. In the child's classroom, teacher can monitor and coach students individually to keep their performance in class. Another target is in silver market, the brain wave application helps elderly live independently , boost their attention and memory to keep function actively enough to do activities of daily living.

We have done pilot study to make sure the efficacy of our innovation , we found that MCI (mild cognitive impairment) patients have improved attention and memory function after training with @Train during 12 week trial.