

Centre



People

Psychologists Søren Bo Andersen and Neil Rutterford founded PeakMind in September 2005. PeakMind started as a spin-out company from Swansea University and now runs clinics in England (London and Horsham) and Denmark (Copenhagen).

Soren leads PeakMind in Denmark. He is a trained psychologist and has a PhD in psychophysiology, specializing in EEG measurements. He has been a lecturer in psychology at Swansea University and is a counsel member of SAN (Society of Applied Neuroscience). For 3 years he represented Denmark at the European COST (Corporation of Science and Technology), whose purpose was to coordinate research in the use of EEG methodology in the diagnosis and treatment of cognitive problems.



Neil leads PeakMind in England. He is a chartered psychologist and scientist. He works as a lecturer at the University of East Anglia where his research interests include neurofeedback and its effect on cognition, mood, developmental disorders and traumatic brain injury. He has published articles in scientific journals and lectured at international conferences.



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PeakMind

OPTIMIZING BRAIN FUNCTION

Neuropsychology–qEEG–Neurofeedback

OPTIMIZING BRAIN FUNCTION

PeakMind provides advanced assessments which enable us to deliver improvement of mental functioning and better awareness of brain states, using state-of-the-art devices and systems. Assessments include interview, age and gender matched normative neuropsychological testing and brainmapping. A neural optimization strategy and protocol is subsequently developed to be used, for example, in clients with ADD/ADHD and clients wishing to improve general cognitive and/or emotional functioning.

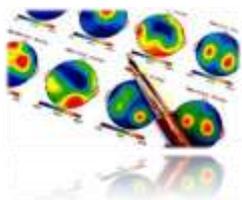
The methodology

At PeakMind, each individual client undergoes an extensive initial assessment at one of our centres. This includes a quantitative EEG (qEEG) assessment, clinical interview, standard neuropsychological tests and questionnaires. Data gathered from the brainmaps are compared and considered in relation to the individual's cognitive performance, behaviour and general well-being.



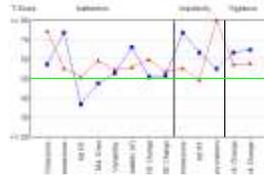
QEEG assessment

A qEEG is a full 19-lead EEG assessment which helps us to determine areas of the brain that would benefit most from neurofeedback training. In our clinics a client's qEEG recording is analysed using complex mathematical and statistical methods, and compared to a normative database to determine which areas of the brain are functioning well and which areas may be functioning below the optimum.



Cognitive assessment

Using specialised computer equipment and software, PeakMind identifies a client's strengths and weaknesses for various measures of cognitive control. All measures are made relative to gender and age-matched control groups. Measures include normative performance on parameters associated with cognitive impulsivity, attention and vigilance.



Report

All the information and data acquired from the individual is used to compile a comprehensive report. This incorporates information regarding the client's identified unique brain profile, their cognitive performance, and knowledge of the individual's subjective well-being gathered from normative and standardized questionnaires. The report outlines a personalized training plan specific to the individual.



Neurofeedback training



Neurofeedback can be done at our clinics or at home with our guidance. Electrodes are applied to the individual's scalp and brain activity is transmitted to a computer. Momentary increases or decreases in brain activity are monitored and instantly fed back to the individual in either a visual or auditory format. By having awareness of fluctuating brain activity, the individual can influence and change their brain patterns.

Partners

PeakMind collaborates with a range of clinics and companies, in Denmark, England and Canada.

Denmark

PeakMind works with registered psychologist Frodi Debes in his clinic in Copenhagen and provides qEEGs for consultations with patients with traumatic brain injury, head trauma with concussion or developmental disorders such as ADHD in children and adults.



In collaboration with Access, PeakMind now provides peak performance neurofeedback training to business executives and entrepreneurs.

Meditators, either beginners or those at more advanced stages, can now benefit from objective assessments of brain functioning and monitor changes through qEEGs provided by PeakMind.



England



PeakMind provides qEEG assessments for all new patients referred to Dr Kewley, Consultant paediatrician, via the NHS but also privately. Many patients are treated with neurofeedback as well as existing modes of treatment.

Canada

PeakMind is in collaboration with Philip Michael Zeman from Applied Brain & Vision Sciences working with advanced EEG analysis in identifying the effect of new drugs, including for Parkinson's disease.

