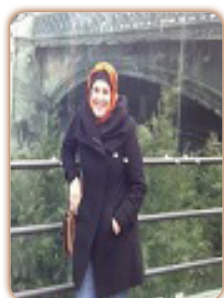


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Clinical use of QEEG (functional brain mapping) in rehabilitation

One of the primary considerations for treatment program in rehabilitation services is accurate and quantitative prognostic assessment which has vital importance and significant influence the disability prevention strategies along all the treatment stages. Primary assessments in rehabilitation are quite time consuming and gradual; it requires clients to undergo a variety of evaluation phases for finding impairments, limitation and restriction, with external and internal factors to be recognizing the barriers and facilitator. According to ICF checklist for body function categories in 2004, one of the important parts of assessment is the mental function, which is considered as a crucial part in most neurological disorders, such as TBI, CP, Closed head injury; specially when will be associate with language deficit or in the kids. QEEG as an interpretative analysis of EEG, based on a global culture/language free normative database can compare client brain activity with a normal person at the same age and gender in a simple, fast, measurable and accountable method. It has similar terminology among the involved professional teams such as neurologist and neuro-psychiatrists can have an important contribution towards the advantages communications within teams. In this paper the use of QEEG in rehabilitation services is to be explained as a brain function evaluation tool built on my 6 years' experience. This tool grants the acute evaluation and monitoring brain function changes during treatment session, as a pre-posttest, aimed at more effective design of brain function based treatment approach.

Biography

Mahindokht Rouhikia has Occupational therapy with MS in Mental Health with 15 year experience in neurological rehabilitation especially in pediatric with un-known diagnosis. She has earned qualification in field of QEEG, biofeedback, neurofeedback and manual therapy.

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