

## HBI report in Atieh Clinical Neuroscience Center, Tehran, Iran

We started a pilot period for testing HBI reports in our clinic in 2018 under Dr. Mueller's supervision. Nowadays, in our clinic, we use HBI reports in diagnostic and therapeutic levels on 300-350 clients per month.

About the report advantages, in the beginning, we should mention that before HBI **comprehensive** report, we used to analyze our data based on rest EEG (EC-EO). Today it is obvious that the brain in the resting state does not have so much to say; on the other hand, we know that interpreting the active state is not easy practically, So the HBI report encouraged us to start reaping the benefits of **ERPs**, and the most useful and practical part is about **Indexes**, which come out of rest and active EEG.

In brief, we can review the usage of this report for our expertise:

1. Validating and augmenting clinical diagnosis which used to be based on interview and neuropsychologic tests,
2. Integrating the separated pieces of a comprehensive diagnosis (interview, questionnaires, cognitive task and brain data), which generates a shared feeling about the client and facilitates teamwork,
3. Prescribing medication and Monitoring the medication efficacy more accurately and lessen the trial and error in the process,
4. Defining the treatment priorities and prognosis, which help us to draw the route more predictable for our clients and modify their treatment expectations,
5. Assigning more suitable technologies (Neurofeedback, rTMS, tDCS, etc.) and the most fruitful protocols, which can increase the therapeutic advantages and decrease the side effects,
6. Objectifying the treatment efficacy by mean of comparison report, which can talk with experts and clients by a language beyond subjective reports,
7. Putting comments for psychotherapist for a more personalized plan, which includes the resilience of the client, the role of environmental stressors, and the motivation of client,
8. Providing more accurate psychoeducation for everyday life, which includes sleep hygiene, body exercises, relaxation, etc.

Many other details can be added to these items, but we tried to mention the most important titles.

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