ABOUT US
Noninvasive registration of electrical activity of the human brain during a visual stimulation allows to evaluate the quality of visual perception and to diagnose its disorders. Our laboratory has a long tradition in research and development of diagnostic applications of visual evoked potentials (visual evoked potentials - VEPs) and cognitive potentials.

Recently, we developed a mobile device for testing VEPs outside laboratory conditions, which will greatly enhance their use.

OUR EXPERTISE
- Assessment of visual information processing at several different brain levels (primary, association or cognitive visual area)
- Objective diagnostic of selected neuro-ophthalmologic and psychiatric diseases monitoring of their progression or effectiveness of treatment
- Design and conduction of VEPs experiments for the theoretical research of brain functions as well as for clinical studies
- Analysis and statistical evaluation of the experimental results in a bio-signal domain

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SELECTED PUBLICATIONS

ADDITIONAL INFORMATION
Publications: www.lfhk.cuni.cz/patfyz/vyzkum/elf-pub/
Examination www.lfhk.cuni.cz/patfyz/vyzkum/elf/vysetreni/