SPEM - BASED ASSESSMENT OF SUPRASEGMENTAL EFFECTS OF SELECTIVE POSTERIOR RHIZOTOMY


* Czech Technical University in Prague, Faculty of Biomedical Engineering, Kladno, Czech Republic
** Czech Technical University in Prague, Faculty of Electrical Engineering, Prague, Czech Republic
*** University Hospital Motol, Department of Pediatric Neurosurgery, Prague, Czech Republic
**** Charles University in Prague, 2nd Faculty of Medicine, Clinic of Neurology, Prague, Czech Republic

hozman@fel.cvut.cz

Abstract:

The paper describes a method for analyzing an oculographic record to quantify the quality of smooth pursuit eye movements. Change in the quality of pursuit movements is one of the suprasegmental effects of selective posterior rhizotomy, which is performed in cerebral palsy patients affected by severe spasticity.