



**Symposium on Clinical Neurophysiology**  
**17th October 2016**  
Military Medical Academy, Belgrade



Serbian Society of Clinical Neurophysiology  
in partnership with  
Military Medical Academy, and  
Serbian Association of Neurologists

**PROGRAM**

**NON-INVASIVE BRAIN STIMULATION  
IN CLINICAL NEUROSCIENCE**

*(Hall of the Academic Council of MMA)*

**09:30 -11:00 MECHANISMS OF NEUROMODULATION: BASICS AND DRIVERS**

*Chairperson: Ilic TV, Popovic DB,*

**1. TRANSCRANIAL DIRECT CURRENT STIMULATION (tDCS) - NEW INSIGHTS**

**Nitsche MA**

*Leibniz-Institut für Arbeitsforschung an der Technische Universität, Dortmund, Germany*

**2. REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION (rTMS) – MECHANISMS OF ACTION**

**Ilić TV**

*Clinic of Neurology, Faculty of Medicine, Military Medical Academy, University of Defence in Belgrade, Belgrade, Serbia*

**3. NEUROMODULATION BY MEANS OF THE AUGMENTED FUNCTIONAL EXERCISE**

**Popovic DB**

*Serbian Academy of Science and Arts, Faculty of Electrical Engineering, University of Belgrade*

**4. PURPOSEFUL MANIPULATION OF BRAIN PLASTICITY - WHETHER DRUGS HELP**

**Kuo M-F**

*Leibniz-Institut für Arbeitsforschung an der Technische Universität, Dortmund, Germany*

**11:00 -11:15 Pause**

**11:15 -13:15 CLINICAL APPLICATIONS OF NON-INVASIVE BRAIN STIMULATION – part I**

*Chairperson: Ilić TV, Filipović SR*

**5. EVALUATION OF THE MOTOR CORTICAL EXCITABILITY CHANGES AFTER ISCHEMIC STROKE**

**Komatina N**

*Clinic of Neurology, Military Medical Academy Belgrade, Serbia*

**6. EFFECTS OF tDCS ON MOTOR SKILL DEFICITS IN PATIENTS AFTER STROKE**

**Ilić NV**

*Clinic of Physical Medicine and Rehabilitation, Clinical Center of Serbia, Faculty of Medicine, University of Belgrade*

**7. NON-INVASIVE BRAIN STIMULATION AND MEMORY FUNCTIONS**

**Bjekić J, Filipović SR, Živanović M**

*Institute for Medical Research, University of Belgrade*

**8. rTMS IN TREATMENT OF SPASTICITY AND GAIT DISORDERS IN PATIENTS WITH MULTIPLE SCLEROSIS**

**Filipović SR, Konstantinović L, Rodić S, Jelić M, Milanović S.**

*Institute for Medical Research, University of Belgrade*

**9. TRANSCRANIAL APPLICATION OF NEAR-INFRARED LOW-LEVEL LASER**

**Konstantinović L, Filipović SR, Jelić MB, Jeremić A, Milanović S.**

*Clinic for rehabilitation "Dr Miroslav Zotovic", Belgrade, Faculty of Medicine, University of Belgrade*

**13:15 -13:45     Pause**

**13:45 -15:45     CLINICAL APPLICATIONS OF NON-INVASIVE BRAIN STIMULATION – part II**

*Chairperson: Filipović SR, Kačar A.*

**10. A RANDOMIZED TRIAL OF tDCS IN TREATMENT OF AUTISTIC SPECTRUM DISORDERS – STUDY DESIGN AND RATIONALE**

**Pejović-Milovančević M, Milovanović M**

*Institute of Mental Health, Faculty of Medicine, University of Belgrade*

**11. MOTOR CORTEX PLASTICITY IN PARKINSON'S DISEASE.**

**Kačar A**

*Clinic of Neurology, Clinical Center of Serbia, Faculty of Medicine, University of Belgrade*

**12. NON-INVASIVE BRAIN STIMULATION IN THE TREATMENT OF PAIN**

**Stamenković D**

*Clinic of Anesthesiology, Faculty of Medicine, Military Medical Academy, the University of Defence in Belgrade, Belgrade, Serbia*

**13. NON-INVASIVE BRAIN STIMULATION FOR PHARMACORESISTANT DEPRESSION**

**Grosch J**

*Berufsgenossenschaftliches Universitätsklinikum Bergmannsheil gGmbH, Universitätsklinikum der Ruhr-Universität Bochum*

**14. EXECUTIVE FUNCTION IN TREATMENT-RESISTANT DEPRESSION BEFORE AND AFTER ELECTROCONVULSIVE THERAPY**

**Jović Z**

*Clinic of Psychiatry, Faculty of Medicine, Military Medical Academy, the University of Defence in Belgrade, Belgrade, Serbia*