

Arbeitsgruppe: Strukturelle und Funktionelle Bildgebung in der Psychiatrie
Ansprechpartner: Dr. Peter Sörös (peter.soeroes@uol.de)

Forschungsschwerpunkte und Interessen:

- Neuronale Korrelate von emotionaler und kognitiver Verarbeitung bei Patienten mit psychiatrischen Störungen (u.a. ADHS im Erwachsenenalter, Borderline Störung)
- Cerebrale Steuerung des autonomen Nervensystems
- Neuronale Korrelate der Sprachproduktion

Methoden:

- Strukturelle und funktionelle MR-Tomographie
- Magnetoenzephalographie
- Transkranielle Magnetstimulation

Ausgewählte Publikationen der letzten fünf Jahre

1. Ruiz Vargas E, **Sörös P**, Shoemaker JK, Hachinski V. Human cerebral circuitry related to cardiac control: a neuroimaging meta-analysis. *Annals of Neurology* 2016;79:709–716
2. Rosburg T, **Sörös P**. The response decrease of auditory evoked potentials by repeated stimulation - is there evidence for an interplay between habituation and sensitization? *Clinical Neurophysiology* 2016;127:397-408
3. **Sörös P**, Harnadek M, Blake T, Hachinski V, Chan R. Executive dysfunction in patients with transient ischemic attack and minor stroke. *Journal of the Neurological Sciences* 2015;354:17-20
4. **Sörös P**, Whitehead S, Spence JD, Hachinski V. Antihypertensive treatment can prevent stroke and cognitive decline. *Nature Reviews Neurology* 2013;9:174-178
5. **Sörös P**, Hachinski V. Cardiovascular and neurological causes of sudden death after ischaemic stroke. *Lancet Neurology* 2012;11:179-88.

(Angestrebte) Kooperationen/Projekte:

- **Dr. Carsten Bantel** (Anästhesiologie, Klinikum Oldenburg): Kognitive und emotionale Verarbeitung bei Patienten mit chronischen Schmerzen
- **Prof. Dr. Vladimir Hachinski** (Clinical Neurological Sciences, Western University, London, ON, Kanada): Cerebrale Steuerung des autonomen Nervensystems

Working Group: Structural and functional neuroimaging in psychiatry
Contact: Dr. Peter Sörös (peter.soeroes@uol.de)

Research priorities and interests:

- Neural correlates of emotional and cognitive processing in patients with psychiatric disorders (such as adult ADHD, borderline personality disorder)
- Cerebral control of the autonomic nervous system
- Neural correlates of speech production

Methods:

- Structural and functional MR imaging
- Magnetoencephalography
- Transcranial magnetic stimulation

Selected publications of the last five years

1. Ruiz Vargas E, **Sörös P**, Shoemaker JK, Hachinski V. Human cerebral circuitry related to cardiac control: a neuroimaging meta-analysis. *Annals of Neurology* 2016;79:709–716
2. Rosburg T, **Sörös P**. The response decrease of auditory evoked potentials by repeated stimulation - is there evidence for an interplay between habituation and sensitization? *Clinical Neurophysiology* 2016;127:397-408
3. **Sörös P**, Harnadek M, Blake T, Hachinski V, Chan R. Executive dysfunction in patients with transient ischemic attack and minor stroke. *Journal of the Neurological Sciences* 2015;354:17-20
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5. **Sörös P**, Hachinski V. Cardiovascular and neurological causes of sudden death after ischaemic stroke. *Lancet Neurology* 2012;11:179-88.

(Anticipated) Collaborations / Projects:

- **Dr. Carsten Bantel** (Anästhesiologie, Klinikum Oldenburg): Cognitive and emotional processing in patients with chronic pain
- **Prof. Dr. Vladimir Hachinski** (Clinical Neurological Sciences, Western University, London, ON, Canada): Cerebral control of the autonomic nervous system