



## **Dr. med. Florian Brugger**

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Neurologie · Dept. III

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### **Units**

Neurologie

### **Profile Function**

attending physician

## Publications (48)

Mylius V, Baars J, Witt K, Benninger D, Ciampi de Andrade D, Kägi G, Bally J, Brugger F. Deep Brain Stimulation Improves Parkinson's Disease-Associated Pain by Decreasing Spinal Nociception. *Mov Disord* 2023

Cavalloni F, Brugger F, Kägi G, Naseri Y, Brogle D, Bozinov O, Bauer R, Hägele-Link S, Krüger M. Evaluation of the Rotational Stability of Directional Deep Brain Stimulation Leads: A Case Series and Systematic Review. *J Neurol Surg A Cent Eur Neurosurg* 2023

Ardila Jurado E, Kägi G, Brugger F. Tongue Myorhythmia and Palatal Tremor as the Main Clinical Manifestation in Anti-IgLON5 Disease. *Mov Disord Clin Pract* 2023; 10:S61-S62.

Listik C, Listik E, de Paiva Santos Rolim F, Meneses Cury Portela D, Perez-Lloret S, de Alves Araújo N, Carvalho P, Santos G, Limongi J, Cardoso F, Mylius V, Brugger F, Fernandes A, Reis Barbosa E, Jacobsen Teixeira M, Ferraz H, Camargos S, Pain in Dystonia Study Group, Cury R, Ciampi de Andrade D. Development and Validation of the Dystonia-Pain Classification System: A Multicenter Study. *Mov Disord* 2023; 38:1163-1174.

Dorin P, Brogle D, Hägele-Link S, Krüger M, Kägi G, Brugger F (2022). Frequency dependent interindividual variability of the deep brain stimulation effect on upper-limb bradykinesia .

Ardila Jurado E, Niederhauser J, Bonvin C, Mono M, Rodic B, Tarnutzer A, Schwegler G, Salmen S, Luft A, Peters N, Vehoff J, Kägi G, Renaud S, Schelosky L, Berger C, Sturm V, Brugger F, Nedeltchev K, Arnold M, Bonati L, Carrera E, Michel P, Cereda C, Bolognese M, Albert S, Medlin F, Swiss Stroke Registry Investigators. Central Retinal Artery Occlusion: Current Practice, Awareness and Prehospital Delays in Switzerland. *Front Neurol* 2022; 13:888456.

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Chacón Gámez Y, Brugger F, Biller-Andorno N. Parkinson's Disease and Deep Brain Stimulation Have an Impact on My Life: A Multimodal Study on the Experiences of Patients and Family Caregivers. *Int J Environ Res Public Health* 2021; 18

Brugger F, Wegener R, Baty F, Walch J, Krüger M, Hägele-Link S, Bohlhalter S, Kägi G. Facilitatory rTMS over the Supplementary Motor Cortex Impedes Gait Performance in Parkinson Patients with Freezing of Gait. *Brain Sci* 2021; 11

Brugger F, Walch J, Hägele-Link S, Abela E, Galovic M, Kägi G. Decreased grey matter in the postural control network is associated with lateral flexion of the trunk in Parkinson's disease. *Neuroimage Clin* 2020; 28:102469.

Krüger M, Kurtev-Rittstieg R, Kägi G, Naseri Y, Hägele-Link S, Brugger F. Evaluation of Automatic Segmentation of Thalamic Nuclei through Clinical Effects Using Directional Deep Brain Stimulation Leads: A Technical Note. *Brain Sci* 2020; 10

<p>Dorin P, Walch J, Krüger M, Kägi G, Mittas S, Bohlhalter S, Hägele-Link S, Brugger F (2020). Deep brain stimulation in two patients with immunosuppressive therapy.</p>
<p>Krüger M, Hägele-Link S, Bozinov O, Brogle D, Weber J, Kägi G, Reinacher P, Cavalloni F, Naseri Y, Brugger F. Do directional deep brain stimulation leads rotate after implantation?. <i>Acta Neurochir (Wien)</i> 2020; 163:197-203.</p>
<p>Gövert F, Deuschl G, Eible R, Rothwell J, Hannah R, Walter T, Garrido A, Brugger F, Rocchi L, Balint B, Becktepe J, Bhatia K. Temporal discrimination is altered in patients with isolated asymmetric and jerky upper limb tremor. <i>Mov Disord</i> 2019</p>
<p>Velicky M, Brugger F, Kägi G, Weber J, Vehoff J (2019). The impact of implementing a "fast-track" algorithm on time to treatment and outcome in patients with acute ischemic stroke due to large vessel occlusion.</p>
<p>Galovic M, Stauber A, Leisi N, Brugger F, Vehoff J, Balcerak P, Müller-Baumberger M, Rosenfeld J, Polymeris A, Thilemann S, De Marchis G, Niemann T, Leifke M, Lyrer P, Saladin P, Kahles T, Nedelchev K, Sarikaya H, Jung S, Fischer U, Manno C, Cereda C, Sander J, Tettenborn B, Weder B, Stöckli S, Arnold M, Kägi G. Development and Validation of a Prognostic Model of Swallowing Recovery and Enteral Tube Feeding After Ischemic Stroke. <i>JAMA Neurol</i> 2019; 76:561-570.</p>
<p>Velicky M, Brugger F, Kägi G, Weber J, Vehoff J (2019). The impact of implementing a "fast-track" algorithm on time to treatment and outcome in patients with acute ischemic stroke due to large vessel occlusion.</p>
<p>Brugger F, Weber J, Kägi G, Vehoff J (2019). Retrospective comparison of the outcome of patients, treated with intravenous thrombolysis with unknown versus known symptom onset, guided by CT-imaging.</p>
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<p>Mahlknecht P, Foltynie T, Rothwell J, Willeit P, Hariz G, Bhatia K, Hariz M, Zrinzo L, Vinke S, Brugger F, Akram H, Georgiev D, Limousin P. Parkinsonian signs in patients with cervical dystonia treated with pallidal deep brain stimulation. <i>Brain</i> 2018; 141:3023-3034.</p>
<p>Kägi G, Ruge D, Brugger F, Katschnig P, Sauter R, Fiorio M, Tinazzi M, Rothwell J, Bhatia K. Endophenotyping in idiopathic adult onset cervical dystonia. <i>Clin Neurophysiol</i> 2017; 128:1142-1147.</p>
<p>Galovic M, Kägi G, Brugger F, Weber J, Mueller M, Vos S, Zbinden M, Pastore-Wapp M, Leisi N, Weder B. Diverging lesion and connectivity patterns influence early and late swallowing recovery after hemispheric stroke. <i>Hum Brain Mapp</i> 2017</p>
<p>Brugger F, Walch J. Dysphagie beim Mb. Parkinson. <i>Leading Opinions Neurologie und Psychiatrie</i> 2016</p>
<p>Antelmi E, Rothwell J, Berardelli A, Teo J, Brugger F, Ganos C, Liguori R, Erro R, Rocchi L, Di Stasio F, Bhatia K. Impaired eye blink classical conditioning distinguishes dystonic patients with and without tremor. <i>Parkinsonism Relat Disord</i> 2016</p>
<p>Brugger F, Bhatia K, Besag F. Valproate-Associated Parkinsonism: A Critical Review of the Literature. <i>CNS Drugs</i> 2016</p>

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Balint B, Erro R, Brugger F, Jha A, Batla A, Ganos C, Antelmi E, Bhatia K. Conjugal Parkinson's disease - Real or chance?. <i>Parkinsonism Relat Disord</i> 2016
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Brugger F, Galovic M, Weder B, Kägi G. Supplementary Motor Complex and Disturbed Motor Control - a Retrospective Clinical and Lesion Analysis of Patients after Anterior Cerebral Artery Stroke. <i>Front Neurol</i> 2015; 6:209.
Brugger F, Erro R, Balint B, Kägi G, Barone P, Bhatia K. Why is there motor deterioration in Parkinson's disease during systemic infections-a hypothetical view. <i>NPJ Parkinsons Dis</i> 2015; 1:15014.
Brugger F, Abela E, Hägele-Link S, Bohlhalter S, Galovic M, Kägi G. Do executive dysfunction and freezing of gait in Parkinson's disease share the same neuroanatomical correlates?. <i>J Neurol Sci.</i> 2015
Mahlknecht P, Seppi K, Poewe W, Scherfler C, Brugger F, Goebel G, Gschliesser V, Mitterling T, Serradell M, Tolosa E, Santamaria J, Müller C, Frauscher B, Högl B, Iranzo A, Sleep Innsbruck Barcelona Group. Olfactory dysfunction predicts early transition to a Lewy body disease in idiopathic RBD. <i>Neurology</i> 2015; 84:654-8.
Brugger F, Schüpbach M, Koenig M, Müri R, Bohlhalter S, Kaelin-Lang A, Kamm C, Kägi G. The Clinical Spectrum of Ataxia with Oculomotor Apraxia Type 2. <i>Mov Disord Clin Pract</i> 2014; 1:106-109.
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Brugger F, Walch J, Abela E, Hägele-Link S, Tettenborn B, Kägi G (2013). Disturbances of the subjective visual vertical are associated with trunk lateroflexion in Parkinson's disease - a neuroimaging approach.
Bauer R, Werner B, Hägele-Link S, Kägi G, Nitschke S, Brugger F, von Specht M, Martin E (2013). MR-Guided High Intensity Focused Ultrasound for the treatment of tremor-dominant Parkinson's disease - first experience.
Brugger F, Siebel P, Kägi G, Tettenborn B, Felbecker A (2011). Dementia in cerebellar ataxia associated with anti-GAD-antibodies.
Felbecker A, Brugger F, Tettenborn B, Sommacal A, Neumann M (2011). Frontotemporal Lobar Degeneration (FTLD) and Amyotrophic Lateral Sclerosis (ALS): Two diseases linked by TDP-43 Pathology.
Brugger F, Kägi G, You H, Kaelin-Lang A, Koenig M, Delaunoy J, Schüpbach M (2011). The clinical spectrum of ataxia with oculomotor apraxia type 2.
Brugger F, Kägi G. Infusionstherapien beim fortgeschrittenen Morbus Parkinson. <i>Leading Opinions</i> 2011; 1:27-29.

Seppi K, Brugger F. Chorea. In: Parkinson-Syndrome und andere Bewegungsstörungen. D-Stuttgart: Georg Thieme Verlag, 2011. pp. 267-311.

Brugger F, Felbecker A, Kägi G, Hägele-Link S, Tettenborn B (2010). Gait disorder in a patient with Wilson's disease 18 years after onset of disease. Presented at: Twentieth Meeting of the European Neurological Society, Berlin

Brugger F. HIV und Neurogenese – Die Interaktion von HIV mit den Waffen des angeborenen Immunsystems während der Differenzierung neuraler Stammzellen. 2010. ISBN 3838105885.

Brugger F, Poewe W (2009). Parkinsonism due to cerebral toxoplasmosis in a HIV-patient. Presented at: 13th Congress of European Federation of Neurological Societies, Florenz

Brugger F, Tolosa E, Högl B, Santamaria J, Frauscher B, Gschliesser V, Serradell M, Seppi K, Iranzo A, Stockner H, Poewe W (2009). Midbrain hyperechogenicity and impaired olfactory function in patients with idiopathic REM sleep behavior disorder.

Brugger F, Poewe W. Fibrotische Herzklappenveränderungen unter der Therapie mit Dopamin-Agonisten. P-Aktuell Newsletter 2008; 03/2008:2-5.

Brugger F, Hagleitner M, Dierich M, Speth C (2006). HIV and innate immunity in neuropathogenesis and neural differentiation. Presented at: 17. Österreichischer AIDS Kongress, Innsbruck

## Projects (5)

### **Developing an EEG-based approach to DBS-frequency modulation in Parkinson's disease**

*Clinical Studies - Nov 1, 2019 - Dec 31, 2021*

*Automatically Closed*

### **The role of the sensory trick in gating multimodal afferents in adult-onset idiopathic cervical dystonia**

*Fundamental Research - Aug 15, 2018 - Jul 31, 2020*

*Automatically Closed*

### **Structural brain changes and dysphagia in Parkinson's disease**

*Clinical Studies - Jan 1, 2014 - Dec 31, 2015*

*Automatically Closed*

### **Pilotstudie: Die Bedeutung der supplementär-motorischen Area bei der Pathophysiologie des Freezing of Gait beim Morbus Parkinson**

*Clinical Studies - Dec 1, 2011 - Jun 30, 2013*

*Completed*

### **multicenter, double-blind, placebo-controlled, parallel-group, phase IV study to assess the effect of Rotigotine on non-motor symptoms in patients with idiopathic parkinson's disease**

*Clinical Studies - Sep 1, 2011 - Dec 31, 2012*

*Automatically Closed*