



**Johannes Sarnthein**

**Contact**

Johannes Sarnthein

## Publications (26)

Padevit L, Zeitlberger A, Maldaner N, Sarnthein J, Bozinov O, Regli L, Neidert M, Serra C, Voglis S. Multiple craniotomies in patients with brain metastases: a two-center, propensity score-matched study. *Neurosurg Rev* 2024; 47:354.

Sarnthein J, Neidert M. A profile on the WISE cortical strip for intraoperative neurophysiological monitoring. *Expert Rev Med Devices* 2024; 21:373-379.

Dimakopoulos V, Neidert M, Sarnthein J. Low impedance electrodes improve detection of high frequency oscillations in the intracranial EEG. *Clin Neurophysiol* 2023; 153:133-140.

Weber L, Padevit L, Müller T, Velz J, Vasella F, Voglis S, Gramatzki D, Weller M, Regli L, Sarnthein J, Neidert M. Association of perioperative adverse events with subsequent therapy and overall survival in patients with WHO grade III and IV gliomas. *Front Oncol* 2022; 12:959072.

Sarnthein J, Seidel K, Neidert M, Raabe A, Sala F, Tonn J, Thon N, Szelenyi A. Evaluation of a new cortical strip electrode for intraoperative somatosensory monitoring during perirolandic brain surgery. *Clin Neurophysiol* 2022; 142:44-51.

Yang Y, Neidert M, Velz J, Kälin V, Sarnthein J, Regli L, Bozinov O. Mapping and Monitoring of the Corticospinal Tract by Direct Brainstem Stimulation. *Neurosurgery* 2022; 91:496-504.

Jenkins F, Vasella F, Padevit L, Mutschler V, Akeret K, Velz J, Regli L, Sarnthein J, Neidert M. Preoperative risk factors associated with new focal neurological deficit and other major adverse events in first-time intracranial meningioma neurosurgery. *Acta Neurochir (Wien)* 2021; 163:2871-2879.

Terrapon A, Regli L, Sarnthein J, Broggi M, Ferroli P, Bozinov O, Schiavolin S, Held U, Akeret K, Vasella F, Velz J, Voglis S, Zattra C, Neidert M. Adverse Events in Neurosurgery: The Novel Therapy-Disability-Neurology Grade. *Neurosurgery* 2021; 89:236-245.

Staartjes V, Schatlo B, Sachkova A, Bock H, Hussein A, Rohde V, Broekman M, Nogarede C, Lemmens C, Kernbach J, Neuloh G, Bozinov O, Krayenbühl N, Sarnthein J, Ferroli P, Regli L, Stienen M, Solheim O, Sjävik K, Broggi M, Zattra C, Vasella F, Velz J, Schiavolin S, Serra C, Bartek J, Fletcher-Sandersjö A, Förander P, Kalasauskas D, Renovanz M, Ringel F, Brawanski K, Kerschbaumer J, Freyschlag C, Jakola A, FEBNS. Development and external validation of a clinical prediction model for functional impairment after intracranial tumor surgery. *J Neurosurg* 2020:1-8.

Padevit L, Sarnthein J, Stienen M, Krayenbühl N, Bozinov O, Regli L, Neidert M. Smoking status and perioperative adverse events in patients undergoing cranial tumor surgery. *J Neurooncol* 2019; 144:97-105.

Maldaner N, Sosnova M, Sarnthein J, Bozinov O, Regli L, Stienen M. Predicting Functional Impairment in patients with chronic subdural hematoma treated with burr hole Trepanation-The FIT-score. *Clin Neurol Neurosurg* 2019; 182:142-147.

Vasella F, Velz J, Neidert M, Henzi S, Sarnthein J, Krayenbühl N, Bozinov O, Regli L, Stienen M. Safety of resident training in the microsurgical resection of intracranial tumors: Data from a prospective registry of complications and outcome. *Sci Rep* 2019; 9:954.

van Niftrik C, Regli L, Kraysenbühl N, Bozinov O, Sarnthein J, Fedele T, Sebök M, Akeret K, Stienen M, Fierstra J, Staartjes V, van der Wouden F, Serra C. Machine Learning Algorithm Identifies Patients at High Risk for Early Complications After Intracranial Tumor Surgery: Registry-Based Cohort Study. *Neurosurgery* 2019; 85:E756-E764.

Stienen M, Moser N, Krauss P, Regli L, Sarnthein J. Incidence, depth, and severity of surgical site infections after neurosurgical interventions. *Acta Neurochir (Wien)* 2018; 161:17-24.

Zattra C, Regli L, Ferroli P, Sarnthein J, Kraysenbühl N, Bozinov O, Schiavolin S, Seggewiss D, Vasella F, Velz J, Broggi M, Zhang D, Stienen M. Repeated craniotomies for intracranial tumors: is the risk increased? Pooled analysis of two prospective, institutional registries of complications and outcomes. *J Neurooncol* 2018; 142:49-57.

Stienen M, Ferroli P, Sarnthein J, Kraysenbühl N, Bozinov O, Schiavolin S, Villa S, Seggewiss D, Broggi M, Zhang D, Regli L. The influence of preoperative dependency on mortality, functional recovery and complications after microsurgical resection of intracranial tumors. *J Neurooncol* 2018; 139:441-448.

Dias S, Sarnthein J, Jehli E, Neidert M, Regli L, Bozinov O. Safeness and Utility of Concomitant Intraoperative Monitoring with Intraoperative Magnetic Resonance Imaging in Children: A Pilot Study. *World Neurosurg* 2018; 115:e637-e644.

Maldaner N, Sosnova M, Sarnthein J, Bozinov O, Regli L, Stienen M. Burr hole trepanation for chronic subdural hematomas: is surgical education safe?. *Acta Neurochir (Wien)* 2018; 160:901-911.

Schenker P, Stieglitz L, Sick B, Stienen M, Regli L, Sarnthein J. Patients with a Normal Pressure Hydrocephalus Shunt Have Fewer Complications than Do Patients with Other Shunts. *World Neurosurg* 2017; 110:e249-e257.

Maldaner N, Sarnthein J, Bozinov O, Regli L, Neidert M. Neurosurgery in Octogenarians: A Prospective Study of Perioperative Morbidity, Mortality, and Complications in Elderly Patients. *World Neurosurg* 2017; 110:e287-e295.

Neidert M, Losa M, Regli L, Sarnthein J. Elevated serum creatine kinase after neurosurgeries in lateral position with intraoperative neurophysiological monitoring is associated with OP duration, BMI and age. *Clin Neurophysiol* 2015; 126:2026-32.

Cornaz F, Neidert M, Piccirelli M, Bozinov O, Regli L, Sarnthein J. Compatibility of intraoperative 3T MR imaging and intraoperative neurophysiological monitoring. *Clin Neurophysiol* 2014; 126:218-20.

Eisenring C, Neidert M, Sabanés Bové D, Held L, Sarnthein J, Kraysenbühl N. Reduction of thromboembolic events in meningioma surgery: a cohort study of 724 consecutive patients. *PloS one* 2013; 8:e79170.

Neidert M, Schmid C, Rushing E, Leske H, Frei K, Seifert B, Sarnthein J, Zwimpfer C, Sze L, Bernays R. Soluble  $\alpha$ -klotho: a novel serum biomarker for the activity of GH-producing pituitary adenomas. *Eur J Endocrinol* 2013; 168:575-83.

Sarnthein J, Hejrati N, Neidert M, Huber A, Kraysenbühl N. Facial nerve motor evoked potentials during skull base surgery to monitor facial nerve function using the threshold-level method. *Neurosurg Focus* 2013; 34:E7.

Aufenberg C, Sarnthein J, Anne M, Rousson V, Gallay M, Daniel J. A revival of Spiegel's campotomy: long term results of the stereotactic pallidothalamic tractotomy against the parkinsonian thalamocortical dysrhythmia. *Thalamus & Related Systems* 2007; 3:121-132.

## Projects (0)

No results found.

---

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)