

Publikationen Klinik für Neurochirurgie Universitätsspital Basel 2018

Peer reviewed articles

1. Stienen MN, Smoll NR, Fung C, Goldberg J, Bervini D, Maduri R, Chiappini A, Robert T, May A, Bijlenga P, *Zumofen DW, Roethlisberger M*, Seule MA, Marbacher S, Fandino J, Schatlo B, Schaller K, Keller E, Bozinov O, Regli L; on behalf of the Swiss SOS Study Group. **Home-Time as a Surrogate Marker for Functional Outcome After Aneurysmal Subarachnoid Hemorrhage**. Stroke. 2018. Impact factor: 6.239
2. *Rychen J, Croci D, Roethlisberger M*, Nossek E, Potts MB, Radovanovic I, Riina HA, *Mariani L, Guzman R, Zumofen DW*. **Keyhole approaches for surgical treatment of intracranial aneurysms: a short review**. Neurol Res. 2018. Impact factor: 1.447
3. *Roethlisberger M, Achermann R, Bawarjan S*, Stienen MN, Fung C, D'alonzo D, Maldaner N, Ferrari A, Corniola MV, Schöni D, Goldberg J, Valsecchi D, Robert T, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, *Mariani L, Guzman R, Zumofen DW*. **Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage**. Neurosurgery 2018. Impact factor: 4.475
4. Schoen SA, Blackham KA, *Zumofen DW, Mariani L*. **Papilledema in Brain AVMs: Pathophysiologic Considerations on the Basis of a Case Report**. Neurographics 2018. Impact factor: -
5. *Roethlisberger M, Gut L, Zumofen DW*, Fisch U, Boss O, Maldaner N, Croci DM, Taub E, Corti N, Burkhardt JK, *Guzman R, Bozinov O, Mariani L*. **Cerebral venous thrombosis requiring invasive treatment for elevated intracranial pressure in women with combined hormonal contraceptive intake: Risk factors, anatomical distribution, and clinical presentation**. Neurosurgical FOCUS 2018. Impact factor: 2.647

6. Stienen MN, Fung C, Bijlenga P, *Zumofen DW*, Maduri R, Robert T, Seule MA, Marbacher S, Geisseler O, Brugger P, Gutbrod K, Chicherio C, Monsch AU, Beaud V, Rossi S, Früh S, Schmid N, Smoll NR, Keller E, Regli L. **Measuring the Impact of Delayed Cerebral Ischemia on Neuropsychological Outcome After Aneurysmal Subarachnoid Hemorrhage-Protocol of a Swiss Nationwide Observational Study (MoCA-DCI Study)**. *Neurosurgery* 2018. Impact factor: 4.475

7. *Roethlisberger M*, Moffa G, Fisch U, Wiggli B, Schoen S, Kelly C, *Leu S*, *Croci D*, *Zumofen DW*, Cueni N, Nogarth D, Schulz M, Bucher HC, Weisser-Rohacek M, *Wasner MG*, Widmer AF, *Mariani L*. **Effectiveness of a chlorhexidine dressing on silver-coated external ventricular drain associated colonization/infection - a prospective single-blinded randomized controlled clinical trial (EVDAI-Study)**. *Clinical Infectious Diseases* 2018. Impact factor: 9.117

8. *Zumofen DW*, *Roethlisberger M*, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schoeni D, Goldberg J, Valsecchi D, Robert T, Maduri R, Seule M, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, *Mariani L*, *Guzman R*. **Factors associated with clinical and radiological status on admission in patients with aneurysmal subarachnoid hemorrhage**. *Neurosurgical Review* 2018. Impact factor: 2.255

9. *Rychen J*, *Croci D*, *Roethlisberger M*, Nossek E, Potts M, Radovanovic I, Riina H, *Mariani L*, *Guzman R*, *Zumofen DW*. **The minimally invasive alternative approaches to the pterional craniotomy: A systematic review of the literature**. *World Neurosurgery* 2018. Impact factor: 1.924

10. Neidert MC, Maldaner N, Stienen MN, *Roethlisberger M, Zumofen DW*, D'Alonzo D, Marbacher S, Maduri R, Hostettler IC, Schatlo B, Schneider MM, Seule MA, Schöni D, Goldberg J, Fung C, Arrighi M, Valsecchi D, Bijlenga P, Schaller K, Bozinov O, Regli L, Burkhardt JK. **The Barrow Neurological Institute Grading Scale as a Predictor for Delayed Cerebral Ischemia and Outcome After Aneurysmal Subarachnoid Hemorrhage: Data From a Nationwide Patient Registry (Swiss SOS)**. Neurosurgery 2018. Impact factor: 4.475

11. Stienens MN, Germans M, Burkhardt JK, Neidert MC, Fung C, Bervini D, *Zumofen DW, Röthlisberger M*, Marbacher S, Maduri R, Robert T, Seule MA, Bijlenga P, Schaller K, Fandino J, Smoll NR, Maldaner N, Finkenstädt S, Esposito G, Schatlo B, Keller E, Bozinov O, Regli L. **Predictors of In-Hospital Death After Aneurysmal Subarachnoid Hemorrhage: Analysis of a Nationwide Database (Swiss SOS [Swiss Study on Aneurysmal Subarachnoid Hemorrhage])**. Stroke 2018. Imocat factor: 6.239

12. Kahn SA, Wang X, Nitta RT, Gholamin S, Theruvath J, *Hutter G*, Azad TD, Wadi L, Bolin S, Ramaswamy V, Esparza R, Liu KW, Edwards M, Swartling FJ, Sahoo D, Li G, Wechsler-Reya RJ, Reimand J, Cho YJ, Taylor MD, Weissman IL, Mitra SS, Cheshier SH. **Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma**. Nat Commun. 2018. Impact factor: 12.353

13. *Leu S*, Boulay JL, Thommen S, Bucher HC, Stippich C, *Mariani L*, Bink A. **Preoperative Two-Dimensional Size of Glioblastoma is Associated with Patient Survival**. World Neurosurg. 2018. Impact factor: 1.924

14. Schaefer T, Ramadoss A, *Leu S*, Tintignac L, Tostado C, Bink A, Schürch C, Müller J, Schärer J, Moffa G, Demougin P, Moes S, Stippich C, Falbo S, Neddersen H, Bucher H, Frank S, Jenö P, Lengerke C, Ritz MF, Mariani L, Boulay JL. **Regulation of glioma cell invasion by 3q26 gene products PIK3CA, SOX2 and OPA1**. Brain Pathol. 2018. Impact factor: 6.187

15. Freyschlag CF, Krieg SM, *Cordier D*, Duffau H. **Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging.** J Neurooncol. 2018. Impact factor: 3.060

16. *Kamenova M*, Rychen J, *Mariani L*, *Soleman J*. **The Yield of Early Postoperative Computed Tomography after Ventriculoperitoneal Shunt Placement.** PLOSOne 2018. Impact factor: 2.766

17. *Licci M*, *Kamenova M*, *Guzman R.*, *Mariani L*, *Soleman J*. **Influence of Postoperative Thrombosis Prophylaxis on the Recurrence of Chronic Subdural Hematoma After Burr-Hole Drainage.** Critical Care Medicine 2018. Impact factor: 6.630

18. *Soleman J*, Bartoli A, Korn A, Constantini S, Roth J. **Treatment Failure of Syringomyelia Associated with Chiari I Malformation Following Foramen Magnum Decompression: How Should We Proceed?** Neurosurg Review 2018. Impact factor: 2.255

19. *Soleman J*, Stein M, Knorr C, Datta AN, Constantini S, Fried I, Guzman R, Kramer U. **Improved Quality of Life and Cognition after Early Vagal Nerve Stimulator Implantation in Children.** Epilepsy and Behavior 2018. Impact factor: 2.600

20. Roth J, *Soleman J*, Paraskevopoulos D, Keating RF, Constantini S. **Incidental brain tumors in children: an international neurosurgical, oncological survey.** Childs Nerv Syst 2018. Impact factor: 1.235

21. *Licci M*, Zweifel C, Hench J, *Guzman R*, *Soleman J*. **Frontoethmoidal Osteoma with Secondary Intradural Mucocele Extension Causing Frontal Lobe Syndrome and Pneumocephalus: Case Report and Review of Literature.** World Neurosurg 2018. Impact factor: 1.924

22. *Soleman J*, Knorr C, Datta AN, Strozzi S, Ramelli GP, *Mariani L*, *Guzman R*. **Early vagal nerve stimulator implantation in children: personal experience and review of the literature.** Childs Nerv Syst 2018. Impact factor: 1.235

23. *Soleman J, Roth J, Ram Z, Yalon M, Constantini S. Malignant transformation of a conservatively managed incidental childhood cerebral mass lesion: controversy regarding management paradigm.* Childs Nerv Syst 2018. Impact factor: 1.235

24. Bontognali M, Poretti A, *Guzman R*, Huisman TA, Ramelli GP. **Blake's pouch cyst in children: Atypical clinical presentation.** Neuroradiol J 2018. Impact factor: 2.346

25. Levi AD, Okonkwo DO, Park P, Jenkins AL 3rd, Kurpad SN, Parr AM, Ganju A, Aarabi B, Kim D, Casha S, Fehlings MG, Harrop JS, Anderson KD, Gage A, Hsieh J, Huhn S, Curt A, *Guzman R*. **Emerging Safety of Intramedullary Transplantation of Human Neural Stem Cells in Chronic Cervical and Thoracic Spinal Cord Injury.** Neurosurgery 2018. Impact factor: 4.475

26. Abbasi H, Rauter G, *Guzman R*, Cattin PC, Zam A. **Laser-induced breakdown spectroscopy as a potential tool for autocarbonization detection in laserosteotomy.** J Biomed Opt 2018. Impact factor: 2.367

27. Hurni Y, Poretti A, Schneider J, *Guzman R*, Ramelli GP. **Arrested Hydrocephalus in Childhood: Case Series and Review of the Literature.** Neuropediatrics 2018. Impact factor: 1.605

28. *GuzmanR*, Janowski M, Walczak P. **Intra-Arterial Delivery of Cell Therapies for Stroke.** Stroke 2018. Impact factor: 6.239

29. Rychen J, *Stricker S, Mariani L*, Schaeren S, Jost GF. **Outcome of spinal surgery in patients above the age of 90 years.** World Neurosurg 2018. Impact factor: 1.924

30. Hench J, Bihl M, Bratic Hench I, Hoffmann P, Tolnay M, Bösch Al Jadooa N, *Mariani L*, Capper D, Frank S. **Satisfying your neuro-oncologist: a fast approach to routine molecular glioma diagnostics.** Neuro Oncol 2018. Impact factor: 9.384

31. Jost GF, Walti J, *Mariani L*, Schaeren S, Cattin P. **Inertial Measurement Unit-Assisted Implantation of Pedicle Screws in Combination With an Intraoperative 3-Dimensional/2-Dimensional Visualization of the Spine.** Oper Neurosurg (Hagerstown) 2018. Impact factor: -

32. Anderegg L, Hess B, Andres R, El-Koussy M, *Mariani L*, Raabe A, Seiler RW, Christ E. **A ten-year follow-up study of treatment outcome of craniopharyngiomas.** Swiss Med Wkly 2018. Impact factor: 1.928

Book chapters:

1. *Cordier D*. **Pathomaps – Klinisch-pathologische Übersichtskarten.** 2018 Cerny T, Karlin K (Edt.), Springer (in press)

2. Kelly CD, Sailer MH, *Guzman R*. **Craniosynostosis.** Handbook of Pediatric Neurosurgery. 2018. Jallo, Kothbauer, Recinos (Edt.) Thieme, New York