

Publikationen Klinik für Neurochirurgie Universitätsspital Basel 2019

Peer reviewed articles

1. *Soleman J, Lutz K, Schaedelin S, Kamenova M, Guzman R, Mariani L, Fandino J.* **Subperiosteal vs Subdural Drain After Burr-Hole Drainage of Chronic Subdural Hematoma: A Randomized Clinical Trial (cSDH-Drain-Trial).** Neurosurgery 2019. Impact factor: 4.605

2. *Soleman J, Lutz K, Schaedelin S, Kamenova M, Guzman R, Mariani L, Fandino J.* **In Reply: Subperiosteal vs Subdural Drain After Burr-Hole Drainage of Chronic Subdural Hematoma: A Randomized Clinical Trial (cSDH-Drain-Trial).** Neurosurgery 2019. Impact factor: 4.605

3. *Lutz K, Kamenova M, Schaedelin S, Guzman R, Mariani L, Fandino J, Soleman J.* **Time to and Possible Risk Factors for Recurrence after Burr-hole Drainage of Chronic Subdural Hematoma: A Subanalysis of the cSDH-Drain Randomized Controlled Trial.** World Neurosurg 2019. Impact factor: 1.723

4. *Kamenova M, Mueller C, Coslovsky M, Guzman R, Mariani L, Soleman J.* **Low-dose aspirin and burr-hole drainage of chronic subdural hematoma: study protocol for a randomized controlled study.** Trials 2019. Impact factor: 1.975

5. *Greuter L, Ullmann M, Mariani L, Guzman R, Soleman J.* **Effect of preoperative antiplatelet or anticoagulation therapy on hemorrhagic complications in patients with traumatic brain injury undergoing craniotomy or craniectomy.** Neurosurg Focus 2019. Impact factor: 2.891

6. Stienen MN, Bartek J Jr, Czabanka MA, Freyschlag CF, Koliass A, Krieg SM, Moojen W, Renovanz M, Sampron N, Adib SD, Schubert GA, Demetriades AK, Ringel F, Regli L, Schaller K, Meling TR, EANS Young Neurosurgeons and EANS Training Committee. **Neurosurgical procedures performed during residency in Europe-preliminary numbers and time trends.** Acta Neurochir (Wien) 2019. Impact factor: 1.834

7. Hatz F, Meyer A, Roesch A, *Taub E*, Gschwandtner U, Fuhr P. **Quantitative EEG and Verbal Fluency in DBS Patients: Comparison of Stimulator-On and -Off Conditions.** Front Neurol 2019. Impact factor: 2.635

8. Saleh C, Wilmes S, Blackham KA, *Cordier D*, Hug K, Hund-Georgiadis M. **The cerebellar peduncle as localization of a recurrent atypical plexus papilloma: A case report.** Surg Neurol Int 2019. Impact factor: -

9. *Cordier D*, Gerber M, Brand S. **Effects of two types of exercise training on psychological well-being, sleep, quality of life and physical fitness in patients with high-grade glioma (WHO III and IV): study protocol** Cancer Commun (Lond) 2019. Impact factor: 3.620

10. *Cordier D*, Merlo A. **Long-Term Results of Targeted Low-Grade Glioma Treatment with (213)Bi-DOTA-[Thi(8),Met(O(2))(11)]-Substance P.** Cancer Biother Radiopharm 2019. Impact factor: 1.894

11. *Kamenova M, Stein M, Ram Z, Grossman R, Guzman R, Mariani L, Roth J, Soleman J. Prophylactic antiepileptic treatment with levetiracetam for patients undergoing supratentorial brain tumor surgery: a two-center matched cohort study. Neurosurg Rev 2019. Impact factor: 2.532*

12. *Hejrati N, Spieler D, Samuel R, Regli L, Weyerbrock A, Surbeck W. Conscious Experience and Psychological Consequences of Awake Craniotomy. World Neurosurg 2019. Impact factor: 1.723*

13. *Franceschi E, Hofer S, Brandes AA, Frappaz D, Kortmann RD, Bromberg J, Dangouloff-Ros V, Boddaert N, Hattingen E, Wiestler B, Clifford SC, Figarella-Branger D, Giangaspero F, Haberler C, Pietsch T, Pajtler KW, Pfister SM, Guzman R, Stummer W, Combs SE, Seidel C, Beier D, McCabe MG, Grotzer M, Laigle-Donadey F, Guerreiro Stückli AS, Idbaih A, Preusser M, van den Bent M, Weller M, Hau P. EANO-EURACAN clinical practice guideline for diagnosis, treatment, and follow-up of post-pubertal and adult patients with medulloblastoma. Lancet Oncol 2019. Impact factor: 35.386*

14. *Andereggen L, Gralla J, Schroth G, Mordasini P, Andres RH, Widmer HR, Luedi MM, Kellner F, Beck J, Mariani L, Ozdoba C, Christ E. Influence of inferior petrosal sinus drainage symmetry on detection of adenomas in Cushing's syndrome. J Neuroradiol 2019. 2.467*

15. *Hainc N, Stippich C, Reinhardt J, Stieltjes B, Blatow M, Mariani L, Bink A. Golden-angle radial sparse parallel (GRASP) MRI in clinical routine detection of pituitary microadenomas: First experience and feasibility. Magn Reson Imaging 2019. Impact factor: 2.112*

16. Staartjes VE, *Stricker S*, Muscas G, Maldaner N, Holzmann D, Burkhardt JK, Seifert B, Schmid C, Serra C, Regli L. **Intraoperative unfolding and postoperative pruning of the pituitary gland after transsphenoidal surgery for pituitary adenoma: A volumetric and endocrinological evaluation.** *Endocrine* 2019. Impact factor: 3.296

17. *Roethlisberger M*, Jayapalan RR, Hostettler IC, Bin Abd Kadir KA, Mun KS, Brand Y, *Mariani L*, Prepageran N, Waran V. **Evolving Strategies for Resection of Sellar/Parasellar Synchronous Tumors via Endoscopic Endonasal Approach: A Technical Case Report and Systematic Review of the Literature.** *World Neurosurg* 2019. Impact factor: 1.732

18. Starnoni D, Maduri R, Al Taha K, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, *Roethlisberger M*, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, et al. **Correction to: Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study.** *Acta Neurochir (Wien)* 2019. Impact factor: 1.834

19. *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, Swiss SOS Study Group. **Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage.** *Neurosurgery* 2019. Impact factor: 4.605

20. Maldaner N, Steinsiepe VK, Goldberg J, Fung C, Bervini D, May A, Bijlenga P, Schaller K, *Roethlisberger M*, Zumofen DW, D'Alonzo D, Marbacher S, Fandino J, Maduri R, Daniel RT, Burkhardt JK, Chiappini A, Robert T, Schatlo B, Seule MA, Weyerbrock A, Regli L, Stienen MN, Swiss SOS Study Group. **Patterns of care for ruptured aneurysms of the middle cerebral artery: analysis of a Swiss national database (Swiss SOS).** *J Neurosurg* 2019. Impact factor: 4.130

21. Dijkland SA, Jaja BNR, van der Jagt M, Roozenbeek B, Vergouwen MDI, Suarez JI, Torner JC, Todd MM, van den Bergh WM, Saposnik G, *Zumofen DW*, Cusimano MD, Mayer SA, Lo BWY, Steyerberg EW, Dippel DWJ, Schweizer TA, Macdonald RL, Lingsma HF; Members of the SAHIT Collaboration. **Between-center and between-country differences in outcome after aneurysmal subarachnoid hemorrhage in the Subarachnoid Hemorrhage International Trialists (SAHIT) repository.** J Neurosurg 2019. Impact factor: 4.130

22. *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 2019. Impact factor: 1.983

23. *Rychen J*, *Zumofen DW*, Riina HA, *Mariani L*, *Guzman R*. **The Transpalpebral Versus the Transciliary Variant of the Supraorbital Keyhole Approach: Anatomic Concepts for Aneurysm Surgery.** Oper Neurosurg (Hagerstown) 2019. Impact factor: 1.470

24. Blackburn SL, Cawley CM, *Guzman R*. **Wider Adoption of Flow Diversion for Intracranial Aneurysms.** Stroke 2019. Impact factor: 6.058

25. Higashida RT, Bruder N, Gupta R, *Guzman R*, Hmissi A, Marr A, Mayer SA, Roux S, Weidauer S, Aldrich EF. **Reversal of Vasospasm with Clazosentan After Aneurysmal Subarachnoid Hemorrhage: A Pilot Study.** World Neurosurg 2019. Impact factor: 1.723

26. Croci DM, Wanderer S, Strange F, Grüter BE, Casoni D, Sivanrupan S, Widmer HR, Di Santo S, Fandino J, *Mariani L*, Marbacher S. **Systemic and CSF Interleukin-1 Expression in a Rabbit Closed Cranium Subarachnoid Hemorrhage Model: An Exploratory Study.** Brain Sci 2019. Impact factor: 2.786

27. *Rychen J, Stricker S, Mariani L*, Schaeren S, Jost GF. **Outcome of Spinal Surgery in Patients Older Than Age 90 Years.** World Neurosurg 2019. Impact factor: 1.723

28. Croci DM, Dalolio M, *Guzman R, Mariani L*, Schaeren S, *Kamenova M, Soleman J*. **Direct Oral Anticoagulants in Patients Undergoing Spine Surgery.** World Neurosurg 2019. Impact factor: 1.723

29. 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) 2019. Impact factor: 1.470

30. *Stricker S, Balmer C, Guzman R, Soleman J*. **Dizygotic opposite-sex twins with surgically repaired concordant myelomeningocele conceived by in vitro fertilization using intracytoplasmic sperm injection: a case report.** Childs Nerv Syst 2019. Impact factor: 1.327

31. *Licci M, Guzman R, Soleman J. Maternal and obstetric complications in fetal surgery for prenatal myelomeningocele repair: a systematic review.* Neurosurg Focus 2019. Impact factor: 2.891

32. *Hejrati N, Ebel F, Guzman R, Soleman J. Posttraumatic cerebrovascular injuries in children. A systematic review.* Childs Nerv Syst 2019. Impact factor: 1.327

33. *Hejrati N, Guzman R, Soleman J. Acute cerebellar edema after traumatic brain injury in a child. a case report.* Childs Nerv Syst 2019. Impact factor: 1.327

34. *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 Rev 2019. Impact factor: 2.532

35. *Soleman J, Roth J, Constantini S. Syringo-subarachnoid shunt: how I do it.* Acta Neurochir (Wien) 2019. Impact factor: 1.834

36. *Soleman J, Roth J, Constantini S. Direct syring drainage in patients with Chiari I malformation.* Childs Nerv Syst 2019. Impact factor: 1.327

37. Bartoli A, *Soleman J, Berger A, Wisoff JH, Hidalgo ET, Mangano FT, Keating RF, Thomale UW, Boop F, Roth J, Constantini S. Treatment Options for Hydrocephalus Following Foramen Magnum Decompression for Chiari I Malformation: A Multicenter Study.* Neurosurgery 2019. Impact factor: 4.605

38. *Soleman J, Ber R, Constantini S, Roth J. The interhemispheric approach in children: our experience and review of the literature.* Childs Nerv Syst 2019. Impact factor: 1.327

39. Roth J, *Soleman J, Kozyrev DA, Jabang JN, Stein M, Grisaru-Soen G, Benvenisti H, Sadot E, Friedman S, Ayalon I, Goldiner I, Stark M, Hassoun E, Constantini S. The value of cerebrospinal fluid lactate levels in diagnosing CSF infections in pediatric neurosurgical patients.* Childs Nerv Syst 2019. Impact factor: 1.327

40. Roth J, *Soleman J, Kozyrev DA, Jabang JN, Stein M, Grisaru-Soen G, Benvenisti H, Sadot E, Friedman S, Ayalon I, Goldiner I, Stark M, Hassoun E, Constantini S. Value of Cerebrospinal Fluid Lactate Levels in Diagnosing Shunt Infections in Pediatric Patients.* World Neurosurg 2019. Impact factor: 1.723

41. 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 2019. Impact factor: 6.352

42. Shekarian T, Sivado E, Jallas AC, Depil S, Kielbassa J, Janoueix-Lerosey I, *Hutter G*, Goutagny N, Bergeron C, Viari A, Valsesia-Wittmann S, Caux C, Marabelle A. **Repurposing rotavirus vaccines for intratumoral immunotherapy can overcome resistance to immune checkpoint blockade.** Sci Transl Med 2019. Impact factor: 17.161

43. Zanganeh S, Georgala P, Corbo C, Arabi L, Ho JQ, Javdani N, Sepand MR, Cruickshank K, Campesato LF, Weng CH, Hemayat S, Andreou C, Alvim R, *Hutter G*, Rafat M, Mahmoudi M. **Immunoengineering in glioblastoma imaging and therapy.** Wiley Interdiscip Rev Nanome 2019 Impact factor: 6.140

44. Buser DP, Ritz MF, Moes S, Tostado C, Frank S, Spiess M, *Mariani L*, Jenö P, Boulay JL, *Hutter G*. **Quantitative proteomics reveals reduction of endocytic machinery components in gliomas.** EBioMedicine 2019. Impact factor: 6.680

45. *Hutter G*, Theruvath J, Graef CM, Zhang M, Schoen MK, Manz EM, Bennett ML, Olson A, Azad TD, Sinha R, Chan C, Assad Kahn S, Gholamin S, Wilson C, Grant G, He J, Weissman IL, Mitra SS, Cheshier SH. **Microglia are effector cells of CD47-SIRP α antiphagocytic axis disruption against glioblastoma.** Proc Natl Acad Sci U S A 2019. Impact factor: 9.580

46. Yan J, Goerne T, Zelmer A, *Guzman R*, Kapfhammer JP, Wellmann S, Zhu X. **The RNA-Binding Protein RBM3 Promotes Neural Stem Cell (NSC) Proliferation Under Hypoxia.** Front Cell Dev Biol 2019. Impact factor: 5.206

47. Eggenberger S, Boucard C, Schoeberlein A, *Guzman R*, Limacher A, Surbek D, Mueller M. **Stem cell treatment and cerebral palsy: Systemic review and meta-analysis.** World J Stem Cells 2019. Impact factor: 5.614

48. Zhu X, Yan J, Bregere C, Zelmer A, Goerne T, Kapfhammer JP, *Guzman R*, Wellmann S. **RBM3 promotes neurogenesis in a niche-dependent manner via IMP2-IGF2 signaling pathway after hypoxic-ischemic brain injury.** Nat Commun 2019. Impact factor: 11.878

49. Nguendon Kenhagho H, Rauter G, *Guzman R*, Cattin PC, Zam A. **Optoacoustic Tissue Differentiation Using a Mach-Zehnder Interferometer.** IEEE Trans Ultrason Ferroele 2019. Impact factor: 2.730

50. Nguendon Kenhagho H, Shevchik S, Saeidi F, Faivre N, Meylan B, Rauter G, *Guzman R*, Cattin P, Wasmer K, Zam A. **Characterization of Ablated Bone and Muscle for Long-Pulsed Laser Ablation in Dry and Wet Conditions.** Materials (Basel) 2019. Impact factor: 2.972

Book chapters:

1. *Roethlisberger M, Waran V, Prepageran N. Endoscopic surgery for sellar and parasellar lesions: A tailored approach*, in Narayanan J., (ed.), Sethi S., Sharma S.N. Atlas of Sellar, Suprasellar and Parasellar Lesions. Thieme Medical and Scientific Publishers Private Limited, Uttar Pradesh, India: ISBN 9789388257534, pp. 398-416, 2019.