

Publikationen Klinik für Neurochirurgie Universitätsspital Basel 2016

Peer reviewed articles

1. Nossek E, *Zumofen DW*, Setton A, Potts MB, Raz E, Shapiro M, Riina HA, De Miquel MA, Chalif DJ, Nelson PK. **Treatment of distal anterior cerebral artery aneurysms with the Pipeline Embolization Device.** Journal of Clinical Neuroscience 2016. Impact factor: 1.557

2. *Zumofen DW*, Rychen J, *Roethlisberger M*, Taub E, Kalbermatten D, Nossek E, Potts M, *Guzman R*, Riina HA, *Mariani L*. **A Review of the Literature on the Transciliary Supraorbital Keyhole Approach.** World Neurosurgery 2016. Impact factor: 2.592

3. *Hutter G*, Sailer M, Azad TD, von Bueren AO, Nollau P, Frank S, Tostado C, Sarvepalli D, Ghosh A, Ritz MF, Boulay JL, *Mariani L*. **Reverse phase protein arrays enable glioblastoma molecular subtyping.** J Neurooncol. 2016. Impact factor: 2.980

4. Zanganeh S, *Hutter G*, Spitler R, Lenkov O, Mahmoudi M, Shaw A, Pajarinen JS, Nejadnik H, Goodman S, Moseley M, Coussens LM, Daldrup-Link HE. **Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues.** Nat Nanotechnol. 2016. Impact factor: 38.986

5. Sailer MH, Sarvepalli D, Brégère C, Fisch U, Guentchev M, Weller M, Guzman R, Bettler B, Ghosh A, *Hutter G*. **An Enzyme- and Serum-free Neural Stem Cell Culture Model for EMT Investigation Suited for Drug Discovery.** J Vis Exp. 2016. Impact factor: 0.950

6. *Hutter G*, Zhang M, Kahn SA, Azad TD, Gholamin S, Xu C, Liu J, Achrol A, Richard C, Sommerkamp P, Schoen MK, McCracken MN, Majeti R, Weissman IL, Mitra SS, Cheshier SH. **Anti-CD47 Treatment Stimulates Phagocytosis of Glioblastoma by M1 and M2 Polarized Macrophages and Promotes M1 Polarized Macrophages In Vivo.** PLOSOne. 2016. Impact factor: 2.806

10. *Leu S, von Felten S, Frank S, Boulay JL, Mariani L.* **IDH mutation is associated with higher risk of malignant transformation in low-grade glioma.** J Neurooncol 2016. Impact factor: 2.980

11. *Leu S, Kamenova M, Mehrkens A, Mariani L, Schären S, Soleman J.* **Pre- and postoperative factors and laboratory values predicting outcome in patients undergoing lumbar fusion surgery.** World Neurosurg 2016. Impact factor: 2.592

12. *Cordier D, Krolicki L, Morgenstern A, Merlo A.* **Targeted Radiolabeled Compounds in Glioma Therapy.** Semin Nucl Med. 2016. Impact factor: 3.100

13. *Kamenova M, Croci D, Guzman R, Mariani L, Soleman J.* **Low-dose acetylsalicylic acid and bleeding risks with ventriculoperitoneal shunt placement.** Neurosurgical Focus 2016. Impact factor: 3.139

14. *Kamenova M, Lutz K, Schaedelin S, Fandino J, Mariani L, Soleman J.* **Does Early Resumption of Low Dose Aspirin after Evacuation of Chronic Subdural Hematoma with Burr-Hole Trepanation Lead to Higher Recurrence Rates?** Neurosurgery 2016. Impact factor: 4.889

15. *Soleman J, Lutz K, Schaedelin S, Mariani L, Fandino J.* **Use of Subperiosteal Drain Versus Subdural Drain in Chronic Subdural Hematomas Treated With Burr-Hole Trepanation: Study Protocol for a Randomized Controlled Trial.** JMIR Res Protoc 2016. Impact factor: 4.671

16. *Soleman J, Leiggenger C, Schlaeppli A-J, Kienzler J, Fathi A-R, Fandino J.* **The Extended Subfrontal and Fronto-Orbito-Zygomatic Approach in Skull Base Meningioma Surgery: Clinical, Radiologic, and Cosmetic Outcome.** J Craniofac Surg 2016. Impact factor: 0.788

17. *Kienzler J, Marbacher S, Remonda L, Soleman J, Ai Schlaeppli J, Leupold U, Fandino J.* **Outcome after In-Hospital Rebleeding of Rupture of Intracranial Aneurysms.** Journal of Neurological Surgery. Part A: Central European Neurosurgery 2016. Impact factor: 0.726

18. *Soleman J*, Baumgarten P, Perrig WN, Fandino J, Fathi A-R. **Non-instrumented extradural lumbar spine surgery under low-dose acetylsalicylic acid: a comparative risk analysis study.** Eur Spine J 2016. Impact factor: 2.563

19. Nevzati E, *Soleman J*, Schöpf SA, Coluccia D, Fandino J, Marbacher S. **An Interlaminotomy New Zealand White Rabbit Model to Evaluate Novel Epidural Strategies.** Journal of Neurological Surgery. Part A: Central European Neurosurgery 2016. Impact factor: 0.723

20. Seiffge DJ, Traenka C, Polymeris A, Hert L, Fisch U, Peters N, De Marchis GM, *Guzman R*, Nickel CH, Lyrer PA, Bonati LH, Tsakiris D, Engelter S. **Feasibility of rapid measurement of Rivaroxaban plasma levels in patients with acute stroke.** J Thromb Thrombolysis 2016. Impact factor: 2.142

21. Shah A, Coste J, Lemaire JJ, Taub E, Schüpbach WM, Pollo C, Schkommodau E, *Guzman R*, Hemm-Ode S. **Intraoperative acceleration measurements to quantify improvement in tremor during deep brain stimulation surgery.** Med Biol Eng Comput 2016. Impact factor: 1.916

22. Jaszczuk P, Rogers GF, *Guzman R*, Proctor MR. **X-linked hypophosphatemic rickets and sagittal craniosynostosis: three patients requiring operative cranial expansion: case series and literature review.** Childs Nerv Syst 2016. Impact factor: 1.081

23. Cozac VV, Ehrensperger MM, Gschwandtner U, Hatz F, Meyer A, Monsch AU, Schuepbach M, *Taub E*, Fuhr P. **Older Candidates for Subthalamic Deep Brain Stimulation in Parkinson's Disease Have a Higher Incidence of Psychiatric Serious Adverse Events.** Front Aging Neurosci 2016. Impact factor: 4.504

24. Jost GF, Walti J, *Mariani L*, Cattin P. **A novel approach to navigated implantation of S-2 alar iliac screws using inertial measurement units.** J Neurosurg Spine 2016. Impact factor: 2.696

Book chapters:

1. Mitra SS, He JQ, Esparza R, *Hutter G*, Cheshier SH and Weissman IL. **Introduction: Cancer Stem Cells. Cancer Stem Cells, 1st edition.** 2016. Editors: Huiping Liu Justin Lathia, Academic Press. ISBN: 9780128038925.

2. Zumofen D, Becske T, Potts MB, Tanweer O, Raz E, Riina HA. **Endovascular Techniques for Tumor Embolization.** Youmans and Winn Neurological Surgery, 4-Volume Set, 7th Edition, 7th edited by H Winn, 12/2016: chapter 122; Saunders., ISBN: 9780323287821

3. Kelly CD, *Guzman R*. **Cavernous Malformations and Venous Malformations.** Pediatric Neurosurgery: Trick of the Trade. 2016. Cohen A. (Edt.), Thieme Publishers New York.