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Pereira M, Megevand P, Tan MX, Chang W, Wang S, Rezai A, Seeck M, Corniola M, Momjian S, Bernasconi F, Blanke O, Faivre N. Evidence accumulation relates to [perceptual consciousness](#) and monitoring. *Nat Commun.* 2021 May 31;12(1):3261. doi: 10.1038/s41467-021-23540-y. PMID: 34059682.

2020

Detmer FJ, Mut F, Slawski M, Hirsch S, Bijlenga P, Cebral JR. Incorporating variability of patient inflow conditions into statistical models for [aneurysm rupture](#) assessment. *Acta Neurochir (Wien)*. 2020 Feb 1. doi: 10.1007/s00701-020-04234-8. [Epub ahead of print] PubMed PMID: 32008209.

2: May AT, Guatta R, Meling TR. Supraorbital Keyhole Approach for Resection of Prechiasmatic Craniopharyngioma: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2020 Jan 29. pii: opz428. doi: 10.1093/ons/opz428. [Epub ahead of print] PubMed PMID: 31996909.

3: Ottensmeier H, Schlegel PG, Eyrich M, Wolff JE, Juhnke BO, von Hoff K, Frahsek S, Schmidt R, Faldum A, Fleischhack G, von Bueren A, Friedrich C, Resch A, Warmuth-Metz M, Krauss J, Kortmann RD, Bode U, Kühl J, Rutkowski S. Treatment of children under 4 years of age with medulloblastoma and ependymoma in the HIT2000/HIT-REZ 2005 trials: Neuropsychological outcome 5 years after treatment. *PLoS One*. 2020 Jan 23;15(1):e0227693. doi: 10.1371/journal.pone.0227693. eCollection 2020. PubMed PMID: 31971950.

4: Moiraghi A, Perin A, Sicky N, Godjevac J, Carone G, Ayadi R, Galbiati T, Gambatesa E, Rocca A, Fanizzi C, Schaller K, DiMeco F, Meling TR. EANS Basic Brain Course (ABC): combining simulation to cadaver lab for a new concept of neurosurgical training. *Acta Neurochir (Wien)*. 2020 Jan 21. doi: 10.1007/s00701-020-04216-w. [Epub ahead of print] PubMed PMID: 31965316.

5: Ling H, Gelpi E, Davey K, Jaunmuktane Z, Mok KY, Jabbari E, Simone R, R'Bilo L, Brandner S, Ellis MJ, Attems J, Mann D, Halliday GM, Al-Sarraj S, Hedreen J, Ironside JW, Kovacs GG, Kovari E, Love S, Vonsattel JPG, Allinson KSJ, Hansen D, Bradshaw T, Setó-Salvia N, Wray S, de Silva R, Morris HR, Warner TT, Hardy J, Holton JL, Revesz T. Fulminant corticobasal degeneration: a distinct variant with predominant neuronal tau aggregates. *Acta Neuropathol*. 2020 Jan 16. doi: 10.1007/s00401-019-02119-4. [Epub ahead of print] PubMed PMID: 31950334.

6: Lemée JM, Corniola MV, Meling TR. Benefits of re-do surgery for recurrent intracranial meningiomas. *Sci Rep*. 2020 Jan 15;10(1):303. doi: 10.1038/s41598-019-57254-5. PubMed PMID: 31941981; PubMed Central PMCID: PMC6962359.

7: Jannelli G, Joswig H, Bernava G, Meling TR, Bijlenga P. Dual Pathologies: Pial Arteriovenous Fistula in Combination with an Arteriovenous Malformation. *J Neurol Surg A Cent Eur Neurosurg.* 2020 Jan 14. doi: 10.1055/s-0039-1698398. [Epub ahead of print] PubMed PMID: 31935781.

Toscano G, Carboni M, Rubega M, Spinelli L, Pittau F, Bartoli A, Momjian S, Manni R, Terzaghi M, Vulliemoz S, Seeck M. Visual analysis of **high density EEG**: As good as electrical source imaging? *Clin Neurophysiol Pract.* 2019 Nov 30;5:16-22. doi: 10.1016/j.cnp.2019.09.002. eCollection 2020. PubMed PMID: 31909306; PubMed Central PMCID: PMC6939057.

2: Morel S, Karol A, Graf V, Pelli G, Richter H, Sutter E, Braunersreuther V, Frösen J, Bijlenga P, Kwak BR, Nuss KM. Sex-related differences in wall remodeling and intraluminal thrombus resolution in a rat saccular aneurysm model. *J Neurosurg.* 2019 Dec 27;1:1-14. doi: 10.3171/2019.9.JNS191466. [Epub ahead of print] PubMed PMID: 31881533.

3: Grossman S, Yeagle EM, Harel M, Espinal E, Harpaz R, Noy N, Mégevand P, Groppe DM, Mehta AD, Malach R. The Noisy Brain: Power of Resting-State Fluctuations Predicts Individual Recognition Performance. *Cell Rep.* 2019 Dec 17;29(12):3775-3784.e4. doi: 10.1016/j.celrep.2019.11.081. PubMed PMID: 31851911.

4: Baldini S, Coito A, Korff CM, Garibotto V, Ndenghera M, Spinelli L, Bartoli A, Momjian S, Schaller K, Seeck M, Pittau F, Vulliemoz S. Localizing non-epileptiform abnormal brain function in children using **high density EEG**: Electric Source Imaging of focal slowing. *Epilepsy Res.* 2019 Nov 26;159:106245. doi: 10.1016/j.epilepsyres.2019.106245. [Epub ahead of print] PubMed PMID: 31846783.

5: Patel K, Evans H, Sommaruga S, Vayssiere P, Qureshi T, Kolb L, Fehlings MG, Cheng JS, Tessitore E, Schaller K, Nouri A. Characteristics and management of pain in patients with Klippel-Feil syndrome: analysis of a global patient-reported registry. *J Neurosurg Spine.* 2019 Dec 13:1-6. doi: 10.3171/2019.9.SPINE19820. [Epub ahead of print] PubMed PMID: 31835254.

6: Giamattei L, Starnoni D, Cossu G, Bruneau M, Cavallo LM, Cappabianca P, Meling TR, Jouanneau E, Schaller K, Benes V, Froelich S, Berhouma M, Messerer M, Daniel RT. Surgical management of Tuberculum sellae Meningiomas: Myths, facts, and controversies. *Acta Neurochir (Wien).* 2019 Dec 13. doi: 10.1007/s00701-019-04114-w. [Epub ahead of print] Review. PubMed PMID: 31834502.

7: Demetriades AK, Tessitore E. External cervical orthosis (hard collar) after ACDF: have we moved forward? *Acta Neurochir (Wien).* 2019 Dec 13. doi: 10.1007/s00701-019-04167-x. [Epub ahead of print] PubMed PMID: 31834501.

8: Dengler J, Rüfenacht D, Meyer B, Rohde V, Endres M, Lenga P, Uttinger K, Rücker V, Wostrack M, Kursumovic A, Hong B, Mielke D, Schmidt NO, Burkhardt JK, Bijlenga P, Boccardi E, Cognard C, Heuschmann PU, Vajkoczy P. Giant intracranial aneurysms: natural history and 1-year case fatality after endovascular or surgical treatment. *J Neurosurg.* 2019 Dec 6:1-9. doi: 10.3171/2019.8.JNS183078. [Epub ahead of print] PubMed PMID: 31812141.

9: Nouri A. Answer to the Letter to the Editor of B. Hu et al. concerning "Demographics, presentation and symptoms of patients with Klippel-Feil syndrome: analysis of a global patient-reported registry" by Nouri et al. [Eur Spine J; (2019) 28(10): 2257-2265]. *Eur Spine J.* 2019 Nov 26. doi: 10.1007/s00586-019-06230-8. [Epub ahead of print] PubMed PMID: 31773274.

10: Cancelliere NM, Najafi M, Brina O, Bouillot P, Vargas MI, Lovblad KO, Krings T, Pereira VM,

- Steinman DA. 4D-CT angiography versus 3D-rotational angiography as the imaging modality for computational fluid dynamics of cerebral aneurysms. *J Neurointerv Surg.* 2019 Nov 26. pii: neurintsurg-2019-015389. doi: 10.1136/neurintsurg-2019-015389. [Epub ahead of print] PubMed PMID: 31772042.
- 11: Czarnetzki C, Desmeules J, Tessitore E, Faundez A, Chabert J, Daali Y, Fournier R, Dupuis-Lozeron E, Cedraschi C, Richard Tramèr M. Perioperative intravenous low-dose ketamine for neuropathic pain after major lower back surgery: A randomized, placebo-controlled study. *Eur J Pain.* 2019 Nov 19. doi: 10.1002/ejp.1507. [Epub ahead of print] PubMed PMID: 31743533.
- 12: Martin J, Tyrand R, Lopez U, Bernasconi Pertusio F, Lysakowski C, Laganaro M, Schaller K, Boëx C. Language Monitoring in Brain Surgery Under General Anesthesia. *J Neurosurg Anesthesiol.* 2019 May 3. doi: 10.1097/ANA.0000000000000602. [Epub ahead of print] PubMed PMID: 31738193.
- 13: 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 Nov 15:1-10. doi: 10.3171/2019.9.JNS192055. [Epub ahead of print] PubMed PMID: 31731273.
- 14: Brina O, Bouillot P, Reymond P, Luthman AS, Santarosa C, Fahrat M, Lovblad KO, Machi P, Delattre BMA, Pereira VM, Vargas MI. How Flow Reduction Influences the Intracranial Aneurysm Occlusion: A Prospective 4D Phase-Contrast MRI Study. *AJNR Am J Neuroradiol.* 2019 Dec;40(12):2117-2123. doi: 10.3174/ajnr.A6312. Epub 2019 Nov 14. PubMed PMID: 31727755.
- 15: Jünger ST, Mynarek M, Wohlers I, Dörner E, Mühlen AZ, Velez-Char N, von Hoff K, Rutkowski S, Warmuth-Metz M, Kortmann RD, Timmermann B, Rahmann S, Klein-Hitpass L, von Bueren AO, Pietsch T. Improved risk-stratification for posterior fossa ependymoma of childhood considering clinical, histological and genetic features - a retrospective analysis of the HIT ependymoma trial cohort. *Acta Neuropathol Commun.* 2019 Nov 14;7(1):181. doi: 10.1186/s40478-019-0820-5. PubMed PMID: 31727173; PubMed Central PMCID: PMC6857225.
- 16: Carboni M, Rubega M, Iannotti GR, De Stefano P, Toscano G, Tourbier S, Pittau F, Hagmann P, Momjian S, Schaller K, Seeck M, Michel CM, van Mierlo P, Vulliemoz S. The network integration of epileptic activity in relation to surgical outcome. *Clin Neurophysiol.* 2019 Dec;130(12):2193-2202. doi: 10.1016/j.clinph.2019.09.006. Epub 2019 Oct 14. PubMed PMID: 31669753.
- 17: Grossman S, Gaziv G, Yeagle EM, Harel M, Mégevand P, Groppe DM, Khuvis S, Herrero JL, Irani M, Mehta AD, Malach R. Convergent evolution of face spaces across human face-selective neuronal groups and deep convolutional networks. *Nat Commun.* 2019 Oct 30;10(1):4934. doi: 10.1038/s41467-019-12623-6. PubMed PMID: 31666525; PubMed Central PMCID: PMC6821842.
- 18: Skaria T, Mitchell KJ, Vogel O, Wälchli T, Gassmann M, Vogel J. Blood Pressure Normalization-Independent Cardioprotective Effects of Endogenous, Physical Activity-Induced α Calcitonin Gene-Related Peptide) in Chronically Hypertensive Mice. *Circ Res.* 2019 Dec 6;125(12):1124-1140. doi: 10.1161/CIRCRESAHA.119.315429. Epub 2019 Oct 31. PubMed PMID: 31665965.
- 19: Corniola MV, Lemée JM, Schaller K, Meling TR. Lateral sphenoid wing meningiomas without bone invasion-still skull base surgery? *Neurosurg Rev.* 2019 Oct 29. doi: 10.1007/s10143-019-01181-6. [Epub ahead of print] PubMed PMID: 31664581.
- 20: Álvarez-Torres MDM, Juan-Albarracín J, Fuster-Garcia E, Bellví-Bataller F, Lorente D, Reynés G,

Font de Mora J, Aparici-Robles F, Botella C, Muñoz-Langa J, Faubel R, Asensio-Cuesta S, García-Ferrando GA, Chelebian E, Auger C, Pineda J, Rovira A, Oleaga L, Mollà-Olmos E, Revert AJ, Tshibanda L, Crisi G, Emblem KE, Martin D, Due-Tønnessen P, Meling TR, Filice S, Sáez C, García-Gómez JM. Robust association between vascular habitats and patient prognosis in glioblastoma: An international multicenter study. *J Magn Reson Imaging*. 2019 Oct 26. doi: 10.1002/jmri.26958. [Epub ahead of print] PubMed PMID: 31654541.

21: Meling TR, Lavé A. What are the options for cardiac standstill during aneurysm surgery? A systematic review. *Neurosurg Rev*. 2019 Dec;42(4):843-852. doi: 10.1007/s10143-019-01183-4. Epub 2019 Oct 15. Review. PubMed PMID: 31617125.

22: Wu YT, Kralj C, Acosta D, Guerra M, Huang Y, Jotheeswaran AT, Jimenez-Velazquez IZ, Liu Z, Llibre Rodriguez JJ, Salas A, Sosa AL, Alkholy R, Prince M, Prina AM. The association between, depression, anxiety, and mortality in older people across eight low- and middle-income countries: Results from the 10/66 cohort study. *Int J Geriatr Psychiatry*. 2020 Jan;35(1):29-36. doi: 10.1002/gps.5211. Epub 2019 Oct 24. PubMed PMID: 31608478; PubMed Central PMCID: PMC6916169.

23: Gondar R, El Rahal A, Kulcsár Z, Schaller K, Momjian S. Spontaneous appearance of de novo intracranial arteriovenous malformation in hepatic cirrhosis. *Neurochirurgie*. 2019 Dec;65(6):393-396. doi: 10.1016/j.neuchi.2019.09.021. Epub 2019 Oct 9. PubMed PMID: 31605684.

24: Bouthour W, Béreau M, Kibleur A, Zacharia A, Tomkova Chaoui E, Fleury V, Benis D, Momjian S, Bally J, Lüscher C, Krack P, Burkhard PR. Dyskinesia-inducing lead contacts optimize outcome of subthalamic stimulation in Parkinson's disease. *Mov Disord*. 2019 Nov;34(11):1728-1734. doi: 10.1002/mds.27853. Epub 2019 Sep 30. PubMed PMID: 31571277.

25: Bernava G, Rosi A, Boto J, Brina O, Kulcsar Z, Czarnetzki C, Carrera E, Schaller K, Lovblad KO, Machi P. Direct thromboaspiration efficacy for mechanical thrombectomy is related to the angle of interaction between the aspiration catheter and the clot. *J Neurointerv Surg*. 2019 Sep 23. pii: neurintsurg-2019-015113. doi: 10.1136/neurintsurg-2019-015113. [Epub ahead of print] PubMed PMID: 31548213.

26: Panchagnula S, Sun X, Montejo JD, Nouri A, Kolb L, Virojanapa J, Camara-Quintana JQ, Sommaruga S, Patel K, Lakomkin N, Abbed K, Cheng JS. Validating the Transformation of PROMIS-GH to EQ-5D in Adult Spine Patients. *J Clin Med*. 2019 Sep 20;8(10). pii: E1506. doi: 10.3390/jcm8101506. PubMed PMID: 31547030; PubMed Central PMCID: PMC6832387.

27: El-Khouly FE, Veldhuijzen van Zanten SEM, Santa-Maria Lopez V, Hendrikse NH, Kaspers GJL, Loizos G, Sumerauer D, Nysom K, Pruunsild K, Pentikainen V, Thorarinsdottir HK, Rutkauskienė G, Calvagna V, Drogosiewicz M, Dragomir M, Deak L, Kitanovski L, von Bueren AO, Kebudi R, Slavc I, Jacobs S, Jadrijevic-Cvrlje F, Entz-Werle N, Grill J, Kattamis A, Hauser P, Pears J, Biassoni V, Massimino M, Lopez Aguilar E, Torsvik IK, Joao Gil-da-Costa M, Kumirova E, Cruz-Martinez O, Holm S, Bailey S, Hayden T, Thomale UW, Janssens GOR, Kramm CM, van Vuurden DG. Diagnostics and treatment of diffuse intrinsic pontine glioma: where do we stand? *J Neurooncol*. 2019 Oct;145(1):177-184. doi: 10.1007/s11060-019-03287-9. Epub 2019 Sep 14. PubMed PMID: 31522324; PubMed Central PMCID: PMC6775536.

28: Dong M, Zeng LN, Zhang Q, Yang SY, Chen LY, Najoan E, Kallivayalil RA, Viboonma K, Jamaluddin R, Javed A, Hoa DTQ, Iida H, Sim K, Swe T, He YL, Park Y, Ahmed HU, De Alwis A, Chiu HFK, Sartorius N, Tan CH, Chong MY, Shinuku N, Lin SK, Avasthi A, Grover S, Ng CH, Ungvari GS, Xiang YT. Prescription of antipsychotic and concomitant medications for adult Asian schizophrenia patients: Findings of the 2016 Research on Asian Psychotropic Prescription Patterns (REAP) survey. *Asian J*

Psychiatr. 2019 Oct;45:74-80. doi: 10.1016/j.ajp.2019.08.010. Epub 2019 Aug 26. Review. PubMed PMID: 31520884.

29: Staartjes VE, Molliqaj G, van Kampen PM, Eversdijk HAJ, Amelot A, Bettag C, Wolfs JFC, Urbanski S, Hedayat F, Schneekloth CG, Abu Saris M, Lefranc M, Peltier J, Boscherini D, Fiss I, Schatlo B, Rohde V, Ryang YM, Krieg SM, Meyer B, Kögl N, Girod PP, Thomé C, Twisk JWR, Tessitore E, Schröder ML. The European Robotic Spinal Instrumentation (EUROSPIN) study: protocol for a multicentre prospective observational study of pedicle screw revision surgery after robot-guided, navigated and freehand thoracolumbar spinal fusion. *BMJ Open*. 2019 Sep 8;9(9):e030389. doi: 10.1136/bmjopen-2019-030389. PubMed PMID: 31501123; PubMed Central PMCID: PMC6738706.

30: Meling TR, Patet G. Clip-wrapping of ruptured blood blister-like aneurysms of the internal carotid artery. *Neurosurg Rev*. 2019 Sep 4. doi: 10.1007/s10143-019-01172-7. [Epub ahead of print] PubMed PMID: 31485789.

31: Dong M, Zeng LN, Zhang Q, Yang SY, Chen LY, Sim K, He YL, Chiu HF, Sartorius N, Tan CH, Chong MY, Shinfuku N, Lin SK, Ng CH, Ungvari GS, Xiang YT. Antipsychotic Polypharmacy in Older Adult Asian Patients With Schizophrenia: Research on Asian Psychotropic Prescription Pattern. *J Geriatr Psychiatry Neurol*. 2019 Nov;32(6):304-311. doi: 10.1177/0891988719862636. PubMed PMID: 31480982.

32: Stienen MN, Bartek J Jr, Czabanka MA, Freytag CF, Kolias A, Krieg SM, Moojen W, Renovanz M, Sampron N, Adib SD, Schubert GA, Demetriades AK, Ringel F, Regli L, Schaller K, Meling TR. Response to: neurosurgical procedures performed during residency in Europe-preliminary numbers and time trends. *Acta Neurochir (Wien)*. 2019 Oct;161(10):1977-1979. doi: 10.1007/s00701-019-04048-3. Epub 2019 Aug 29. PubMed PMID: 31463709.

33: Khani A, Lanz F, Loquet G, Schaller K, Michel C, Quairiaux C. Large-Scale Networks for Auditory Sensory Gating in the Awake Mouse. *eNeuro*. 2019 Sep 9;6(5). pii: ENEURO.0207-19.2019. doi: 10.1523/ENEURO.0207-19.2019. Print 2019 Sep/Oct. PubMed PMID: 31444224; PubMed Central PMCID: PMC6734044.

34: Moiraghi A, Prada F, Delaidelli A, Guatta R, May A, Bartoli A, Saini M, Perin A, Wälchli T, Momjian S, Bijlenga P, Schaller K, DiMeco F. Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. *Oper Neurosurg (Hagerstown)*. 2019 Aug 21. pii: opz203. doi: 10.1093/ons/opz203. [Epub ahead of print] PubMed PMID: 31435672.

35: Nouri A, Patel K, Evans H, Saleh M, Kotter MRN, Heary RF, Tessitore E, Fehlings MG, Cheng JS. Demographics, presentation and symptoms of patients with Klippel-Feil syndrome: analysis of a global patient-reported registry. *Eur Spine J*. 2019 Oct;28(10):2257-2265. doi: 10.1007/s00586-019-06084-0. Epub 2019 Jul 30. PubMed PMID: 31363914.

36: Haemmerli J, Lenga P, Hong B, Kursumovic A, Maldaner N, Burkhardt JK, Bijlenga P, Rüfenacht DA, Schmidt NO, Vajkoczy P, Dengler J. Clinical implications and radiographic characteristics of the relation between giant intracranial aneurysms of the posterior circulation and the brainstem. *Acta Neurochir (Wien)*. 2019 Sep;161(9):1747-1753. doi: 10.1007/s00701-019-04016-x. Epub 2019 Jul 29. PubMed PMID: 31359190.

37: Sveikata L, Kavan N, Pegna AJ, Seeck M, Assal F, Momjian S, Schaller K, Vulliemoz S. Postoperative memory prognosis in temporal lobe epilepsy surgery: The contribution of postictal memory. *Epilepsia*. 2019 Aug;60(8):1639-1649. doi: 10.1111/epi.16281. Epub 2019 Jul 22. PubMed PMID: 31329286.

38: Schatlo B, Gautschi OP, Friedrich CM, Ebeling C, Jägersberg M, Kulscar Z, Pereira VM, Schaller K, Bijlenga P. Association of single and multiple aneurysms with tobacco abuse: an @neurIST risk

analysis. *Neurosurg Focus*. 2019 Jul 1;47(1):E9. doi: 10.3171/2019.4.FOCUS19130. PubMed PMID: 31261132.

39: Detmer FJ, Hadad S, Chung BJ, Mut F, Slawski M, Juchler N, Kurtcuoglu V, Hirsch S, Bijlenga P, Uchiyama Y, Fujimura S, Yamamoto M, Murayama Y, Takao H, Koivisto T, Frösen J, Cebral JR. Extending statistical learning for aneurysm rupture assessment to Finnish and Japanese populations using morphology, hemodynamics, and patient characteristics. *Neurosurg Focus*. 2019 Jul 1;47(1):E16. doi: 10.3171/2019.4.FOCUS19145. PubMed PMID: 31261120.

40: Evangelisti S, Pittau F, Testa C, Rizzo G, Gramegna LL, Ferri L, Coito A, Cortelli P, Calandra-Buonaura G, Bisquoli F, Bianchini C, Manners DN, Talozzi L, Tonon C, Lodi R, Tinuper P. L-Dopa Modulation of Brain Connectivity in Parkinson's Disease Patients: A Pilot EEG-fMRI Study. *Front Neurosci*. 2019 Jun 14;13:611. doi: 10.3389/fnins.2019.00611. eCollection 2019. PubMed PMID: 31258465; PubMed Central PMCID: PMC6587436.

41: Olsen RK, Carr VA, Daugherty AM, La Joie R, Amaral RSC, Amunts K, Augustinack JC, Bakker A, Bender AR, Berron D, Boccardi M, Bocchetta M, Burggren AC, Chakravarty MM, Chételat G, de Flores R, DeKraker J, Ding SL, Geerlings MI, Huang Y, Insausti R, Johnson EG, Kanel P, Kedo O, Kennedy KM, Keresztes A, Lee JK, Lindenberger U, Mueller SG, Mulligan EM, Ofen N, Palombo DJ, Pasquini L, Pluta J, Raz N, Rodriguez KM, Schlichting ML, Lee Shing Y, Stark CEL, Steve TA, Suthana NA, Wang L, Werkle-Bergner M, Yushkevich PA, Yu Q, Wisse LEM; Hippocampal Subfields Group. Progress update from the hippocampal subfields group. *Alzheimers Dement (Amst)*. 2019 Jun 13;11:439-449. doi: 10.1016/j.dadm.2019.04.001. eCollection 2019 Dec. PubMed PMID: 31245529; PubMed Central PMCID: PMC6581847.

42: 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 Jun 24. pii: nyz211. doi: 10.1093/neuros/nyz211. [Epub ahead of print] PubMed PMID: 31232427.

43: Bally JF, Rohani M, Ruiz-Lopez M, Paramanandam V, Munhoz RP, Hodaie M, Kalia SK, Lozano AM, Burkhard PR, Poncet A, Fasano A. Patient-adjusted deep-brain stimulation programming is time saving in dystonia patients. *J Neurol*. 2019 Oct;266(10):2423-2429. doi: 10.1007/s00415-019-09423-9. Epub 2019 Jun 13. PubMed PMID: 31197514.

44: Bartolomei F, Lagarde S, Scavarda D, Carron R, Bénar CG, Picard F. The role of the dorsal anterior insula in ecstatic sensation revealed by direct electrical brain stimulation. *Brain Stimul*. 2019 Sep - Oct;12(5):1121-1126. doi: 10.1016/j.brs.2019.06.005. Epub 2019 Jun 5. PubMed PMID: 31196836.

45: Lemée JM, Joswig H, Da Broi M, Corniola MV, Scheie D, Schaller K, Helseth E, Meling TR. WHO grade I meningiomas: classification-tree for prognostic factors of survival. *Neurosurg Rev*. 2019 Jun 10. doi: 10.1007/s10143-019-01117-0. [Epub ahead of print] PubMed PMID: 31183587.

46: Michel CM, Baillet S, Benar C, Bertrand O, Gotman J, He B, Huiskamp GJ, Lemieux L, Makeig S, Pascual-Leone A, Salmelin R, Seri S, Valdes-Sosa P, Wendling F. In Memoriam: Fernando Lopes da Silva (1935-2019). *Brain Topogr*. 2019 Jul;32(4):519-522. doi: 10.1007/s10548-019-00720-0. Epub 2019 Jun 8. PubMed PMID: 31177345.

47: Courtine G, Sofroniew MV. Spinal cord repair: advances in biology and technology. *Nat Med*. 2019 Jun;25(6):898-908. doi: 10.1038/s41591-019-0475-6. Epub 2019 Jun 3. Review. PubMed PMID: 31160817.

48: Jaccard M, Lamanna G, Dubouloz A, Rouzaud M, Miralbell R, Zilli T. Dose optimization and

- endorectal balloon for internal pudendal arteries sparing in prostate SBRT. *Phys Med.* 2019 May;61:28-32. doi: 10.1016/j.ejmp.2019.04.008. Epub 2019 Apr 19. PubMed PMID: 31151576.
- 49: 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, Levivier M; Swiss SOS Group, Messerer M, Daniel RT. Correction to: Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study. *Acta Neurochir (Wien).* 2019 Jul;161(7):1335-1336. doi: 10.1007/s00701-019-03949-7. PubMed PMID: 31102005.
- 50: Tuleasca C, Régis J, Najdenovska E, Witjas T, Girard N, Thiran JP, Bach Cuadra M, Levivier M, Van De Ville D. Letter to the Editor. Resting-state functional MRI for functional neurosurgery: seeing the light? *J Neurosurg.* 2019 May 17:1-2. doi: 10.3171/2019.1.JNS1995. [Epub ahead of print] PubMed PMID: 31100728.
- 51: Lemée JM, Corniola MV, Da Broi M, Schaller K, Meling TR. Early Postoperative Complications in Meningioma: Predictive Factors and Impact on Outcome. *World Neurosurg.* 2019 Aug;128:e851-e858. doi: 10.1016/j.wneu.2019.05.010. Epub 2019 May 10. PubMed PMID: 31082552.
- 52: Stienen MN, Maldaner N, Joswig H, Corniola MV, Bellut D, Prömmel P, Regli L, Weyerbrock A, Schaller K, Gautschi OP. Objective functional assessment using the "Timed Up and Go" test in patients with lumbar spinal stenosis. *Neurosurg Focus.* 2019 May 1;46(5):E4. doi: 10.3171/2019.2.FOCUS18618. PubMed PMID: 31042663.
- 53: Ouriques Martins SC, Sacks C, Hacke W, Brainin M, de Assis Figueiredo F, Marques Pontes-Neto O, Lavados Germain PM, Marinho MF, Hoppe Wiegering A, Vaca McGhie D, Cruz-Flores S, Ameriso SF, Camargo Villareal WM, Durán JC, Fogolin Passos JE, Gomes Nogueira R, Freitas de Carvalho JJ, Sampaio Silva G, Cabral Moro CH, Oliveira-Filho J, Gagliardi R, Gomes de Sousa ED, Fagundes Soares F, de Pinho Campos K, Piza Teixeira PF, Gonçalves IP, Santos Carquin IR, Muñoz Collazos M, Pérez Romero GE, Maldonado Figueredo JL, Barboza MA, Celis López MÁ, Góngora-Rivera F, Cantú-Brito C, Novarro-Escudero N, Velázquez Blanco MÁ, Arbo Oze de Morvil CA, Olmedo Bareiro AB, Meza Rojas G, Flores A, Hancco-Saavedra JA, Pérez Jimenez V, Abanto Argomedo C, Rodriguez Kadota L, Crosa R, Mora Cuervo DL, de Souza AC, Carbonera LA, Álvarez Guzmán TF, Maldonado N, Cabral NL, Anderson C, Lindsay P, Hennis A, Feigin VL. Priorities to reduce the burden of stroke in Latin American countries. *Lancet Neurol.* 2019 Jul;18(7):674-683. doi: 10.1016/S1474-4422(19)30068-7. Epub 2019 Apr 24. Review. Erratum in: *Lancet Neurol.* 2019 Jul;18(7):e6. *Lancet Neurol.* 2019 Nov;18(11):e9. PubMed PMID: 31029579.
- 54: 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, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M; Swiss SOS Group, Daniel RT. Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study. *Acta Neurochir (Wien).* 2019 Jul;161(7):1325-1334. doi: 10.1007/s00701-019-03894-5. Epub 2019 Apr 26. Erratum in: *Acta Neurochir (Wien).* 2019 May 17;:. PubMed PMID: 31025178.
- 55: Pfaff E, El Damaty A, Balasubramanian GP, Blattner-Johnson M, Worst BC, Stark S, Witt H, Pajtler KW, van Tilburg CM, Witt R, Milde T, Jakobs M, Fiesel P, Frühwald MC, Hernáiz Driever P, Thomale UW, Schuhmann MU, Metzler M, Bochennek K, Simon T, Dürken M, Karremann M, Knirsch S, Ebinger M, von Bueren AO, Pietsch T, Herold-Mende C, Reuss DE, Kiening K, Lichter P, Eggert A, Kramm CM, Pfister SM, Jones DTW, Bächli H, Witt O. Brainstem biopsy in pediatric diffuse intrinsic pontine glioma in the era of precision medicine: the INFORM study experience. *Eur J Cancer.* 2019 Jun;114:27-35. doi:

10.1016/j.ejca.2019.03.019. Epub 2019 Apr 22. PubMed PMID: 31022591.

56: Corniola MV, Debono B, Joswig H, Lemée JM, Tessitore E. Enhanced recovery after spine surgery: review of the literature. *Neurosurg Focus*. 2019 Apr 1;46(4):E2. doi: 10.3171/2019.1.FOCUS18657. PubMed PMID: 31018257.

57: Momjian S, Tyrand R, Landis BN, Boëx C. Intraoperative monitoring of olfactory function: a feasibility study. *J Neurosurg*. 2019 Apr 19:1-6. doi: 10.3171/2019.1.JNS182731. [Epub ahead of print] PubMed PMID: 31003213.

58: Mallet L, Du Montcel ST, Clair AH, Arbus C, Bardinet E, Baup N, Chabardès S, Chéreau I, Czernecki V, Fontaine D, Harika-Germaneau G, Haynes WI, Houeto JL, Jaafari N, Krack P, Millet B, Navarro S, Polosan M, Pelissolo A, Welter ML; STOC Long-term Study Group. Long-term effects of subthalamic stimulation in Obsessive-Compulsive Disorder: Follow-up of a randomized controlled trial. *Brain Stimul*. 2019 Jul - Aug;12(4):1080-1082. doi: 10.1016/j.brs.2019.04.004. Epub 2019 Apr 9. PubMed PMID: 30992192.

59: Meling TR, Patet G. What is the best therapeutic approach to a pediatric patient with a deep-seated brain AVM? *Neurosurg Rev*. 2019 Jun;42(2):409-416. doi: 10.1007/s10143-019-01101-8. Epub 2019 Apr 13. PubMed PMID: 30980204.

60: Lemée JM, Corniola MV, Da Broi M, Joswig H, Scheie D, Schaller K, Helseth E, Meling TR. Extent of Resection in Meningioma: Predictive Factors and Clinical Implications. *Sci Rep*. 2019 Apr 11;9(1):5944. doi: 10.1038/s41598-019-42451-z. PubMed PMID: 30976047; PubMed Central PMCID: PMC6459829.

61: Debono B, Corniola MV, Pietton R, Sabatier P, Hamel O, Tessitore E. Benefits of Enhanced Recovery After Surgery for fusion in degenerative spine surgery: impact on outcome, length of stay, and patient satisfaction. *Neurosurg Focus*. 2019 Apr 1;46(4):E6. doi: 10.3171/2019.1.FOCUS18669. PubMed PMID: 30933923.

62: Stienen MN, Bartek J Jr, Czabanka MA, Freyschlag CF, Kolias 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 May;161(5):843-853. doi: 10.1007/s00701-019-03888-3. Epub 2019 Mar 29. PubMed PMID: 30927157.

63: Shahjouei S, Vafaei Sadr A, Khorasani S, Nejat F, Habibi Z, Akbari Sari A. Utility Measures in Pediatric Temporary Health States: Comparison of Prone Positioning Valuation Through 5 Assessment Tools. *Value Health Reg Issues*. 2019 May;18:97-105. doi: 10.1016/j.vhri.2019.01.003. Epub 2019 Mar 19. PubMed PMID: 30897544.

64: Corniola MV, Lemée JM, Da Broi M, Joswig H, Schaller K, Helseth E, Meling TR. Posterior fossa meningiomas: perioperative predictors of extent of resection, overall survival and progression-free survival. *Acta Neurochir (Wien)*. 2019 May;161(5):1003-1011. doi: 10.1007/s00701-019-03862-z. Epub 2019 Mar 11. PubMed PMID: 30859321.

65: Mouthaan BE, Rados M, Boon P, Carrette E, Diehl B, Jung J, Kimiskidis V, Kobulashvili T, Kuchukhidze G, Larsson PG, Leitinger M, Ryvlin P, Rugg-Gunn F, Seecq M, Vulliémoz S, Huiskamp G, Leijten FSS, Van Eijnsden P, Trinka E, Braun KPJ; E-PILEPSY consortium. Diagnostic accuracy of interictal source imaging in presurgical epilepsy evaluation: A systematic review from the E-PILEPSY consortium. *Clin Neurophysiol*. 2019 May;130(5):845-855. doi: 10.1016/j.clinph.2018.12.016. Epub 2019 Feb 8. PubMed PMID: 30824202.

- 66: Fokkens W, Desrosiers M, Harvey R, Hopkins C, Mullol J, Philpott C, Alobid I, Anselmo-Lima WT, Bachert C, Baroody F, Bernal-Sprekelsen M, von Buchwald C, Cervin A, Cohen N, Constantinidis J, De Gabory L, Douglas R, Gevaert P, Hafner A, Hellings P, Joos G, Kalogjera L, Kern R, Knill A, Kocks J, Landis BN, Limpens J, Lebeer S, Lourenco O, Matricardi PM, Meco C, O Mahony L, Reitsma S, Ryan D, Schlosser R, Senior B, Smith T, Teeling T, Tomazic PV, Toppila-Salmi S, Wang DY, Wang D, Zhang L, Lund V. EPOS2020: development strategy and goals for the latest European Position Paper on Rhinosinusitis. *Rhinology*. 2019 Jun 1;57(3):162-168. doi: 10.4193/Rhin17.253. PubMed PMID: 30810118.
- 67: Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT; Swiss SOS Group. Correction to: Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry. *Acta Neurochir (Wien)*. 2019 Apr;161(4):781. doi: 10.1007/s00701-019-03837-0. PubMed PMID: 30796586.
- 68: Bouillot P, Brina O, Chnafa C, Cancelliere NM, Vargas MI, Radovanovic I, Krings T, Steinman DA, Pereira VM. Robust cerebrovascular blood velocity and flow rate estimation from 4D-CTA. *Med Phys*. 2019 May;46(5):2126-2136. doi: 10.1002/mp.13454. Epub 2019 Mar 23. PubMed PMID: 30793326.
- 69: Welter ML, Houeto JL, Worbe Y, Diallo MH, Hartmann A, Tezenas du Montcel S, Ansquer S, Thobois S, Fontaine D, Rouaud T, Cuny E, Karachi C, Mallet L; STIC study group. Long-term effects of anterior pallidal deep brain stimulation for tourette's syndrome. *Mov Disord*. 2019 Apr;34(4):586-588. doi: 10.1002/mds.27645. Epub 2019 Feb 20. PubMed PMID: 30788865.
- 70: Milekovic T, Bacher D, Sarma AA, Simeral JD, Saab J, Pandarinath C, Yvert B, Sorice BL, Blabe C, Oakley EM, Tringale KR, Eskandar E, Cash SS, Shenoy KV, Henderson JM, Hochberg LR, Donoghue JP. Volitional control of single-electrode high gamma local field potentials by people with paralysis. *J Neurophysiol*. 2019 Apr 1;121(4):1428-1450. doi: 10.1152/jn.00131.2018. Epub 2019 Feb 20. PubMed PMID: 30785814; PubMed Central PMCID: PMC6485734.
- 71: Posti JP, Takala RSK, Lagerstedt L, Dickens AM, Hossain I, Mohammadian M, Ala-Seppälä H, Frantzén J, van Gils M, Hutchinson PJ, Katila AJ, Maanpää HR, Menon DK, Newcombe VF, Tallus J, Hrusovsky K, Wilson DH, Gill J, Sanchez JC, Tenovuo O, Zetterberg H, Blennow K. Correlation of Blood Biomarkers and Biomarker Panels with Traumatic Findings on Computed Tomography after Traumatic Brain Injury. *J Neurotrauma*. 2019 Jul 15;36(14):2178-2189. doi: 10.1089/neu.2018.6254. Epub 2019 Apr 5. PubMed PMID: 30760178; PubMed Central PMCID: PMC6909751.
- 72: Migliorini D, Dutoit V, Allard M, Hallez NG, Marinari E, Widmer V, Philippin G, Corlazzoli F, Gustave R, Kreutzfeldt M, Blazek N, Wasem J, Hottinger A, Koka A, Momjian S, Lobrinus A, Merkler D, Vargas MI, Walker PR, Patrikidou A, Dietrich PY. Phase I/II trial testing safety and immunogenicity of the multipeptide IMA950/poly-ICLC vaccine in newly diagnosed adult malignant astrocytoma patients. *Neuro Oncol*. 2019 Feb 12. doi: 10.1093/neuonc/noz040. [Epub ahead of print] PubMed PMID: 30753611; PubMed Central PMCID: PMC6620642.
- 73: Schuepbach WMM, Tonder L, Schnitzler A, Krack P, Rau J, Hartmann A, Hälbig TD, Pineau F, Falk A, Paschen L, Paschen S, Volkmann J, Dafsari HS, Barbe MT, Fink GR, Kühn A, Kupsch A, Schneider GH, Seigneuret E, Fraix V, Kistner A, Chaynes PP, Ory-Magne F, Brefel-Courbon C, Vesper J, Wojtecki L, Derrey S, Maltête D, Damier P, Derkinderen P, Sixel-Döring F, Trenkwalder C, Gharabaghi A, Wächter T, Weiss D, Pinsker MO, Regis JM, Witjas T, Thobois S, Mertens P, Knudsen K, Schade-Brittinger C, Houeto JL, Agid Y, Vidailhet M, Timmermann L, Deuschl G; EARLYSTIM study group. Quality of life predicts outcome of deep brain stimulation in early Parkinson's disease. *Neurology*. 2019 Mar

5;92(10):e1109-e1120. doi: 10.1212/WNL.0000000000007037. Epub 2019 Feb 8. Erratum in: Neurology. 2019 Jun 11;92(24):1166. PubMed PMID: 30737338; PubMed Central PMCID: PMC6442017.

74: Dong M, Zeng LN, Zhang Q, Ungvari GS, Ng CH, Chiu HFK, Si TM, Sim K, Avasthi A, Grover S, Chong MY, Chee KY, Kanba S, Lee MS, Yang SY, Udomrattan P, Kallivayalil RA, Tanra AJ, Maramis MM, Shen WW, Sartorius N, Mahendran R, Tan CH, Shinfuku N, Xiang YT. Concurrent antipsychotic use in older adults treated with antidepressants in Asia. *Psychogeriatrics*. 2019 Jul;19(4):333-339. doi: 10.1111/psyg.12416. Epub 2019 Feb 7. PubMed PMID: 30734411.

75: Premi E, Calhoun VD, Diano M, Gazzina S, Cosseddu M, Alberici A, Archetti S, Paternicò D, Gasparotti R, van Swieten J, Galimberti D, Sanchez-Valle R, Laforce R Jr, Moreno F, Synofzik M, Graff C, Masellis M, Tartaglia MC, Rowe J, Vandenberghe R, Finger E, Tagliavini F, de Mendonça A, Santana I, Butler C, Ducharme S, Gerhard A, Danek A, Levin J, Otto M, Frisoni G, Cappa S, Sorbi S, Padovani A, Rohrer JD, Borroni B; Genetic FTD Initiative, GENFI. The inner fluctuations of the brain in presymptomatic Frontotemporal Dementia: The chronnectome fingerprint. *Neuroimage*. 2019 Apr 1;189:645-654. doi: 10.1016/j.neuroimage.2019.01.080. Epub 2019 Feb 1. PubMed PMID: 30716457; PubMed Central PMCID: PMC6669888.

76: Rüegg EM, Bartoli A, Rilliet B, Scolozzi P, Montandon D, Pittet-Cuénod B. Management of median and paramedian craniofacial clefts. *J Plast Reconstr Aesthet Surg*. 2019 Apr;72(4):676-684. doi: 10.1016/j.bjps.2019.01.001. Epub 2019 Jan 9. PubMed PMID: 30691993.

77: Meling TR, Da Broi M, Scheie D, Helseth E, Smoll NR. Meningioma Surgery-Are We Making Progress? *World Neurosurg*. 2019 May;125:e205-e213. doi: 10.1016/j.wneu.2019.01.042. Epub 2019 Jan 24. PubMed PMID: 30684722.

78: Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT; Swiss SOS Group. Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry. *Acta Neurochir (Wien)*. 2019 Apr;161(4):769-779. doi: 10.1007/s00701-019-03812-9. Epub 2019 Jan 25. Erratum in: *Acta Neurochir (Wien)*. 2019 Feb 23;:. PubMed PMID: 30680461.

79: Shahjouei S, Vafaei Sadr A, Khorasani S, Nejat F, Habibi Z, Akbari Sari A. Health-Related Quality of Life of Pediatric Spinal Surgery Complications. *Value Health Reg Issues*. 2019 May;18:74-77. doi: 10.1016/j.vhri.2018.11.005. Epub 2019 Jan 9. PubMed PMID: 30639949.

80: Molliqaj G, Dammann P, Schaller K, Sure U, Tessitore E. Management of Craniovertebral Junction Tuberculosis Presenting with Atlantoaxial Dislocation. *Acta Neurochir Suppl*. 2019;125:337-344. doi: 10.1007/978-3-319-62515-7_49. Review. PubMed PMID: 30610343.

81: Novello-Siegenthaler A, Hamdani M, Iselin-Chaves I, Fournier R. Ultrasound-guided continuous femoral nerve block: a randomized trial on the influence of femoral nerve catheter orifice configuration (six-hole versus end-hole) on post-operative analgesia after total knee arthroplasty. *BMC Anesthesiol*. 2018 Dec 19;18(1):191. doi: 10.1186/s12871-018-0648-8. PubMed PMID: 30567487; PubMed Central PMCID: PMC6300902.

82: 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 Sep;42(3):705-714. doi: 10.1007/s10143-018-01066-0. Epub 2018 Dec 15. PubMed PMID: 30554294.

83: Abbas M, de Kraker MEA, Aghayev E, Astagneau P, Aupee M, Behnke M, Bull A, Choi HJ, de Greeff SC, Elgohari S, Gastmeier P, Harrison W, Koek MBG, Lamagni T, Limon E, Løwer HL, Lytykäinen O, Marimuthu K, Marquess J, McCann R, Prantner I, Presterl E, Pujol M, Reilly J, Roberts C, Segagni Lusignani L, Si D, Szilágyi E, Tanguy J, Tempone S, Troillet N, Worth LJ, Pittet D, Harbarth S. Impact of participation in a surgical site infection surveillance network: results from a large international cohort study. *J Hosp Infect.* 2019 Jul;102(3):267-276. doi: 10.1016/j.jhin.2018.12.003. Epub 2018 Dec 7. PubMed PMID: 30529703.

84: Hossain I, Mohammadian M, Takala RSK, Tenovuo O, Lagerstedt L, Ala-Seppälä H, Frantzén J, van Gils M, Hutchinson P, Katila AJ, Maanpää HR, Menon DK, Newcombe VF, Tallus J, Hrusovsky K, Wilson DH, Blennow K, Sanchez JC, Zetterberg H, Posti JP. Early Levels of Glial Fibrillary Acidic Protein and Neurofilament Light Protein in Predicting the Outcome of Mild Traumatic Brain Injury. *J Neurotrauma.* 2019 May 15;36(10):1551-1560. doi: 10.1089/neu.2018.5952. Epub 2019 Jan 8. PubMed PMID: 30489229.

85: Pennells L, Kaptoge S, Wood A, Sweeting M, Zhao X, White I, Burgess S, Willeit P, Bolton T, Moons KGM, van der Schouw YT, Selmer R, Khaw KT, Gudnason V, Assmann G, Amouyel P, Salomaa V, Kivimaki M, Nordestgaard BG, Blaha MJ, Kuller LH, Brenner H, Gillum RF, Meisinger C, Ford I, Knuiman MW, Rosengren A, Lawlor DA, Völzke H, Cooper C, Marín Ibañez A, Casiglia E, Kauhanen J, Cooper JA, Rodriguez B, Sundström J, Barrett-Connor E, Dankner R, Nietert PJ, Davidson KW, Wallace RB, Blazer DG, Björkelund C, Donfrancesco C, Krumholz HM, Nissinen A, Davis BR, Coady S, Whincup PH, Jørgensen T, Ducimetiere P, Trevisan M, Engström G, Crespo CJ, Meade TW, Visser M, Kromhout D, Kiechl S, Daimon M, Price JF, Gómez de la Cámara A, Wouter Jukema J, Lamarche B, Onat A, Simons LA, Kavousi M, Ben-Shlomo Y, Gallacher J, Dekker JM, Arima H, Shara N, Tipping RW, Roussel R, Brunner Ej, Koenig W, Sakurai M, Pavlovic J, Gansevoort RT, Nagel D, Goldbourt U, Barr ELM, Palmieri L, Njølstad I, Sato S, Monique Verschuren WM, Varghese CV, Graham I, Onuma O, Greenland P, Woodward M, Ezzati M, Psaty BM, Sattar N, Jackson R, Ridker PM, Cook NR, D'Agostino RB, Thompson SG, Danesh J, Di Angelantonio E; Emerging Risk Factors Collaboration. Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. *Eur Heart J.* 2019 Feb 14;40(7):621-631. doi: 10.1093/eurheartj/ehy653. PubMed PMID: 30476079; PubMed Central PMCID: PMC6374687.

86: König M, Osnes T, Jebson P, Meling TR. Craniofacial resection of malignant tumors of the anterior skull base: a case series and a systematic review. *Acta Neurochir (Wien).* 2018 Dec;160(12):2339-2348. doi: 10.1007/s00701-018-3716-4. Epub 2018 Nov 7. PubMed PMID: 30402666.

87: Wagner FB, Mignardot JB, Le Goff-Mignardot CG, Demesmaeker R, Komi S, Capogrosso M, Rowald A, Seáñez I, Caban M, Pirondini E, Vat M, McCracken LA, Heimgartner R, Fodor I, Watrin A, Seguin P, Paoles E, Van Den Keybus K, Eberle G, Schurch B, Pralong E, Becce F, Prior J, Buse N, Buschman R, Neufeld E, Kuster N, Carda S, von Zitzewitz J, Delattre V, Denison T, Lambert H, Minassian K, Bloch J, Courtine G. Targeted neurotechnology restores walking in humans with spinal cord injury. *Nature.* 2018 Nov;563(7729):65-71. doi: 10.1038/s41586-018-0649-2. Epub 2018 Oct 31. PubMed PMID: 30382197.

88: Lin N, Vutskits L, Bebawy JF, Gelb AW. Perspectives on Dexmedetomidine Use for Neurosurgical Patients. *J Neurosurg Anesthesiol.* 2019 Oct;31(4):366-377. doi: 10.1097/ANA.0000000000000554. PubMed PMID: 30363004.

89: Perin A, Galbiati TF, Gambatesa E, Ayadi R, Orena EF, Cuomo V, Riker NI, Falsitta LV, Schembri S, Rizzo S; European Neurosurgery Simulation Study Group (ENSSG), Luciano C, Cappabianca P, Meling TR, Schaller K, DiMeco F. Filling the gap between the OR and virtual simulation: a European study on a

basic neurosurgical procedure. *Acta Neurochir (Wien)*. 2018 Nov;160(11):2087-2097. doi: 10.1007/s00701-018-3676-8. Epub 2018 Oct 1. PubMed PMID: 30276545.

90: Rousseau G, Johnson WD, Park KB, Arráez Sánchez M, Servadei F, Vaughan KA. Global neurosurgery: current and potential impact of neurosurgeons at the World Health Organization and the World Health Assembly. Executive summary of the World Federation of Neurosurgical Societies-World Health Organization Liaison Committee at the 71st World Health Assembly. *Neurosurg Focus*. 2018 Oct;45(4):E18. doi: 10.3171/2018.7.FOCUS18295. PubMed PMID: 30269578.

91: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, de Saint Martin A, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorbets S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks EH, Jansen FE, Braun K, de Jong D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Crichton G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordlijr DR, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, de Bellescize J, Catenoix H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaits CJ, Weckhuysen S, Poduri A, Lemke JR, Möller RS, Baulac S. Correction: The landscape of epilepsy-related GATOR1 variants. *Genet Med*. 2019 Aug;21(8):1896. doi: 10.1038/s41436-018-0325-9. PubMed PMID: 30262923.

92: Martínez-Fernández R, Kibleur A, Chabardès S, Fraix V, Castrioto A, Lhommée E, Moro E, Lescoules L, Pelissier P, David O, Krack P. Different effects of levodopa and subthalamic stimulation on emotional conflict in Parkinson's disease. *Hum Brain Mapp*. 2018 Dec;39(12):5014-5027. doi: 10.1002/hbm.24341. Epub 2018 Sep 26. PubMed PMID: 30259598.

93: Studerus-Germann AM, Gautschi OP, Bontempi P, Thiran JP, Daducci A, Romascano D, von Ow D, Hildebrandt G, von Hessling A, Engel DC. Central nervous system microbleeds in the acute phase are associated with structural integrity by DTI one year after mild traumatic brain injury: A longitudinal study. *Neurol Neurochir Pol*. 2018 Nov - Dec;52(6):710-719. doi: 10.1016/j.pjnns.2018.08.011. Epub 2018 Sep 13. PubMed PMID: 30245171.

94: Chnafa C, Bouillot P, Brina O, Najafi M, Delattre BMA, Vargas MI, Pereira VM, Steinman DA. Errors in power-law estimations of inflow rates for intracranial aneurysm CFD. *J Biomech*. 2018 Oct 26;80:159-165. doi: 10.1016/j.jbiomech.2018.09.006. Epub 2018 Sep 13. PubMed PMID: 30243498.

95: Boëx C, Tyrand R, Horvath J, Fleury V, Sadri S, Corniola M, Burkhard PR, Momjian S. What Is the Best Electrophysiologic Marker of the Outcome of Subthalamic Nucleus Stimulation in Parkinson's disease? *World Neurosurg*. 2018 Dec;120:e1217-e1224. doi: 10.1016/j.wneu.2018.09.047. Epub 2018 Sep 18. PubMed PMID: 30240865.

96: Zilli T, Scorsetti M, Zwahlen D, Franzese C, Förster R, Gajaj-Levra N, Koutsouvelis N, Bertaut A, Zimmermann M, D'Agostino GR, Alongi F, Guckenberger M, Miralbell R. ONE SHOT - single shot radiotherapy for localized prostate cancer: study protocol of a single arm, multicenter phase I/II trial. *Radiat Oncol*. 2018 Sep 4;13(1):166. doi: 10.1186/s13014-018-1112-0. Erratum in: *Radiat Oncol*. 2018 Sep 19;13(1):182. PubMed PMID: 30180867; PubMed Central PMCID: PMC6123974.

97: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, Martin AS, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorbets S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks E, Jansen F, Braun K, Jong

D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Crichton G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordli Jr DR, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, Bellescize J, Catenoix H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaitsis CJ, Weckhuysen S, Poduri A, Lemke JR, Möller RS, Baulac S. Correction to: The landscape of epilepsy-related GATOR1 variants. *Genet Med.* 2019 Jul;21(7):1671. doi: 10.1038/s41436-018-0284-1. PubMed PMID: 30158694.

98: Haldeman S, Johnson CD, Chou R, Nordin M, Côté P, Hurwitz EL, Green BN, Cedraschi C, Acaroglu E, Kopansky-Giles D, Ameis A, Adjei-Kwayisi A, Ayhan S, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dunn R, Goertz C, Griffith EA, Hondas M, Kane EJ, Lemeunier N, Mayer J, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Randhawa K, Shearer H, Sönmez E, Torres C, Torres P, Verville L, Vlok A, Watters W 3rd, Wong CC, Yu H. The Global Spine Care Initiative: care pathway for people with spine-related concerns. *Eur Spine J.* 2018 Sep;27(Suppl 6):901-914. doi: 10.1007/s00586-018-5721-y. Epub 2018 Aug 27. PubMed PMID: 30151811.

99: Haldeman S, Nordin M, Chou R, Côté P, Hurwitz EL, Johnson CD, Randhawa K, Green BN, Kopansky-Giles D, Acaroglu E, Ameis A, Cedraschi C, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondas M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities. *Eur Spine J.* 2018 Sep;27(Suppl 6):776-785. doi: 10.1007/s00586-018-5722-x. Epub 2018 Aug 27. PubMed PMID: 30151809.

100: Johnson CD, Haldeman S, Nordin M, Chou R, Côté P, Hurwitz EL, Green BN, Kopansky-Giles D, Randhawa K, Cedraschi C, Ameis A, Acaroglu E, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondas M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: methodology, contributors, and disclosures. *Eur Spine J.* 2018 Sep;27(Suppl 6):786-795. doi: 10.1007/s00586-018-5723-9. Epub 2018 Aug 27. PubMed PMID: 30151808.

101: Johnson CD, Haldeman S, Chou R, Nordin M, Green BN, Côté P, Hurwitz EL, Kopansky-Giles D, Acaroglu E, Cedraschi C, Ameis A, Randhawa K, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondas M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: model of care and implementation. *Eur Spine J.* 2018 Sep;27(Suppl 6):925-945. doi: 10.1007/s00586-018-5720-z. Epub 2018 Aug 27. PubMed PMID: 30151805.

102: Kopansky-Giles D, Johnson CD, Haldeman S, Chou R, Côté P, Green BN, Nordin M, Acaroglu E, Ameis A, Cedraschi C, Hurwitz EL, Ayhan S, Borenstein D, Brady O, Brooks P, Davatchi F, Dunn R, Goertz C, Hajjaj-Hassouni N, Hartvigsen J, Hondras M, Lemeunier N, Mayer J, Mior S, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Randhawa K, Torres C, Torres P, Vlok A, Wong CC. The Global Spine Care Initiative: resources to implement a spine care program. *Eur Spine J.* 2018 Sep;27(Suppl 6):915-924. doi: 10.1007/s00586-018-5725-7. Epub 2018 Aug 27. PubMed PMID: 30151804.

103: 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 group. Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery.* 2019 Jun 1;84(6):E334-E344. doi: 10.1093/neuros/nyy331. PubMed PMID: 30113674.

104: Lenga P, Hohaus C, Hong B, Kursumovic A, Maldaner N, Burkhardt JK, Bijlenga P, Rüfenacht DA, Schmidt NO, Vajkoczy P, Dengler J. Giant intracranial aneurysms of the posterior circulation and their relation to the brainstem: analysis of risk factors for neurological deficits. *J Neurosurg.* 2018 Aug 10;131(2):403-409. doi: 10.3171/2018.4.JNS172343. PubMed PMID: 30095339.

105: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, de Saint Martin A, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorbets S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks E, Jansen FE, Braun K, de Jong D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Crichiutti G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordli DR Jr, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, de Bellescize J, Catenoix H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaitis CJ, Weckhuysen S, Poduri A, Lemke JR, Møller RS, Baulac S. The landscape of epilepsy-related GATOR1 variants. *Genet Med.* 2019 Feb;21(2):398-408. doi: 10.1038/s41436-018-0060-2. Epub 2018 Aug 10. Erratum in: *Genet Med.* 2018 Aug 29;.. *Genet Med.* 2018 Sep 27;.. PubMed PMID: 30093711; PubMed Central PMCID: PMC6292495.

106: Tronnier VM, Eldabe S, Franke J, Huygen F, Rigoard P, de Andres Ares J, Assaker R, Gomez-Rice A, La Grua M, Moens M, Moke L, Perruchoud C, Quraishi NA, Rothenfluh DA, Tabatabaei P, Van Boxem K, Vleggeert-Lankamp C, Zoëga B, Stovelaar HJ. The appropriate management of persisting pain after spine surgery: a European panel study with recommendations based on the RAND/UCLA method. *Eur Spine J.* 2019 Jan;28(1):31-45. doi: 10.1007/s00586-018-5711-0. Epub 2018 Aug 4. PubMed PMID: 30078053.

107: Bonizzato M, Pidpruzhnykova G, DiGiovanna J, Shkorbatova P, Pavlova N, Micera S, Courtine G. Brain-controlled modulation of spinal circuits improves recovery from spinal cord injury. *Nat Commun.* 2018 Aug 1;9(1):3015. doi: 10.1038/s41467-018-05282-6. PubMed PMID: 30068906; PubMed Central PMCID: PMC6070513.

108: Bernasconi F, Noel JP, Park HD, Faivre N, Seeck M, Spinelli L, Schaller K, Blanke O, Serino A. Audio-Tactile and Peripersonal Space Processing Around the Trunk in Human Parietal and Temporal Cortex: An Intracranial EEG Study. *Cereb Cortex.* 2018 Sep 1;28(9):3385-3397. doi: 10.1093/cercor/bhy156. PubMed PMID: 30010843; PubMed Central PMCID: PMC6095214.

- 109: Lagerstedt L, Egea-Guerrero JJ, Bustamante A, Rodríguez-Rodríguez A, El Rahal A, Quintana-Diaz M, García-Armengol R, Prica CM, Anderegggen E, Rinaldi L, Sarrafzadeh A, Schaller K, Montaner J, Sanchez JC. Combining H-FABP and GFAP increases the capacity to differentiate between CT-positive and CT-negative patients with mild traumatic brain injury. *PLoS One.* 2018 Jul 9;13(7):e0200394. doi: 10.1371/journal.pone.0200394. eCollection 2018. PubMed PMID: 29985933; PubMed Central PMCID: PMC6037378.
- 110: Diagbouga MR, Morel S, Bijlenga P, Kwak BR. Role of hemodynamics in initiation/growth of intracranial aneurysms. *Eur J Clin Invest.* 2018 Sep;48(9):e12992. doi: 10.1111/eci.12992. Epub 2018 Jul 20. Review. PubMed PMID: 29962043.
- 111: Weber DC, Ares C, Villa S, Peerdeman SM, Renard L, Baumert BG, Lucas A, Veninga T, Pica A, Jefferies S, Ricardi U, Miralbell R, Stelmes JJ, Liu Y, Collette L, Collette S. Adjuvant postoperative high-dose radiotherapy for atypical and malignant meningioma: A phase-II parallel non-randomized and observation study (EORTC 22042-26042). *Radiother Oncol.* 2018 Aug;128(2):260-265. doi: 10.1016/j.radonc.2018.06.018. Epub 2018 Jun 28. PubMed PMID: 29960684.
- 112: Durner G, Piano M, Lenga P, Mielke D, Hohaus C, Guhl S, Maldaner N, Burkhardt JK, Pedro MT, Lehmberg J, Rufenacht D, Bijlenga P, Etminan N, Krauss JK, Boccardi E, Hänggi D, Vajkoczy P, Dengler J; Giant Intracranial Aneurysm Study Group. Cranial nerve deficits in giant cavernous carotid aneurysms and their relation to aneurysm morphology and location. *Acta Neurochir (Wien).* 2018 Aug;160(8):1653-1660. doi: 10.1007/s00701-018-3580-2. Epub 2018 Jun 9. PubMed PMID: 29948299.
- 113: Biasiucci A, Leeb R, Iturrate I, Perdikis S, Al-Khadairy A, Corbet T, Schnider A, Schmidlin T, Zhang H, Bassolino M, Viceic D, Vuadens P, Guggisberg AG, Millán JDR. Brain-actuated functional Electrostimulation elicits lasting arm motor recovery after stroke. *Nat Commun.* 2018 Jun 20;9(1):2421. doi: 10.1038/s41467-018-04673-z. PubMed PMID: 29925890; PubMed Central PMCID: PMC6010454.
- 114: Dubouloz A, Rouzaud M, Tsvang L, Verbakel W, Björkqvist M, Linthout N, Lencart J, Pérez-Moreno JM, Ozen Z, Escude L, Zilli T, Miralbell R. Urethra-sparing stereotactic body radiotherapy for prostate cancer: how much can the rectal wall dose be reduced with or without an endorectal balloon? *Radiat Oncol.* 2018 Jun 19;13(1):114. doi: 10.1186/s13014-018-1059-1. PubMed PMID: 29921291; PubMed Central PMCID: PMC6008922.
- 115: Reinbold CS, Forstner AJ, Hecker J, Fullerton JM, Hoffmann P, Hou L, Heilbronner U, Degenhardt F, Adli M, Akiyama K, Akula N, Ardau R, Arias B, Backlund L, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Marie-Claire C, Cervantes P, Chen GB, Chen HC, Chillotti C, Clark SR, Colom F, Cousins DA, Cruceanu C, Czerski PM, Dayer A, Étain B, Falkai P, Frisén L, Gard S, Garnham JS, Goes FS, Grof P, Gruber O, Hashimoto R, Hauser J, Herms S, Jamain S, Jiménez E, Kahn JP, Kassem L, Kittel-Schneider S, Kliwicki S, König B, Kusumi I, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, López Jaramillo CA, MacQueen G, Manchia M, Martinsson L, Mattheisen M, McCarthy MJ, McElroy SL, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Ösby U, Ozaki N, Perlis RH, Pfennig A, Reich-Erkelenz D, Rouleau GA, Schofield PR, Schubert KO, Schweizer BW, Seemüller F, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Smoller JW, Squassina A, Stamm TJ, Stopkova P, Tighe SK, Tortorella A, Turecki G, Volkert J, Witt SH, Wright AJ, Young LT, Zandi PP, Potash JB, DePaulo JR, Bauer M, Reininghaus E, Novák T, Aubry JM, Maj M, Baune BT, Mitchell PB, Vieta E, Frye MA, Rybakowski JK, Kuo PH, Kato T, Grigoroiu-Serbanescu M, Reif A, Del Zompo M, Bellivier F, Schalling M, Wray NR, Kelsoe JR, Alda M, McMahon FJ, Schulze TG, Rietschel M, Nöthen MM, Cichon S. Analysis of the Influence of microRNAs in Lithium Response in Bipolar Disorder. *Front Psychiatry.* 2018 May 31;9:207. doi: 10.3389/fpsyg.2018.00207. eCollection 2018. PubMed PMID: 29904359; PubMed Central PMCID: PMC5991073.

- 116: Baud MO, Perneger T, Rácz A, Pensel MC, Elger C, Rydenhag B, Malmgren K, Cross JH, McKenna G, Tisdall M, Lamberink HJ, Rheims S, Ryvlin P, Isnard J, Mauguière F, Arzimanoglou A, Akkol S, Deniz K, Ozkara C, Lossius M, Rektor I, Kälviäinen R, Vanhatalo LM, Dimova P, Minkin K, Staack AM, Steinhoff BJ, Kalina A, Krsek P, Marusic P, Jordan Z, Fabo D, Carrette E, Boon P, Rocka S, Mameniškiené R, Vulliemoz S, Pittau F, Braun KPJ, Seeck M. European trends in epilepsy surgery. *Neurology*. 2018 Jul 10;91(2):e96-e106. doi: 10.1212/WNL.0000000000005776. Epub 2018 Jun 13. PubMed PMID: 29898967.
- 117: Bouillot P, Brina O, Delattre BMA, Ouared R, Pellaton A, Yilmaz H, Machi P, Lovblad KO, Farhat M, Pereira VM, Vargas MI. Neurovascular stent artifacts in 3D-TOF and 3D-PCMRI: Influence of stent design on flow measurement. *Magn Reson Med*. 2019 Jan;81(1):560-572. doi: 10.1002/mrm.27352. Epub 2018 Jun 12. PubMed PMID: 29893989.
- 118: Grassi G, Figee M, Ooms P, Righi L, Nakamae T, Pallanti S, Schuurman R, Denys D. Impulsivity and decision-making in obsessive-compulsive disorder after effective deep brain stimulation or treatment as usual. *CNS Spectr*. 2018 Oct;23(5):333-339. doi: 10.1017/S1092852918000846. Epub 2018 Jun 4. PubMed PMID: 29860948.
- 119: Hampel H, Mesulam MM, Cuello AC, Farlow MR, Giacobini E, Grossberg GT, Khachaturian AS, Vergallo A, Cavedo E, Snyder PJ, Khachaturian ZS. The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. *Brain*. 2018 Jul 1;141(7):1917-1933. doi: 10.1093/brain/awy132. Review. PubMed PMID: 29850777; PubMed Central PMCID: PMC6022632.
- 120: Pittau F, Baud MO, Jorge J, Xin L, Grouiller F, Iannotti GR, Seeck M, Lazeyras F, Vulliémoz S, Vargas MI. MP2RAGE and Susceptibility-Weighted Imaging in Lesional Epilepsy at 7T. *J Neuroimaging*. 2018 Jul;28(4):365-369. doi: 10.1111/jon.12523. Epub 2018 May 24. PubMed PMID: 29797439.
- 121: Rochwerg B, Almenawer SA, Siemieniuk RAC, Vandvik PO, Agoritsas T, Lytvyn L, Alhazzani W, Archambault P, D'Aragon F, Farhoumand PD, Guyatt G, Laake JH, Beltrán-Arroyave C, McCredie V, Price A, Chabot C, Zervakis T, Badhiwala J, St-Onge M, Szczeklik W, Møller MH, Lamontagne F. Atraumatic (pencil-point) versus conventional needles for lumbar puncture: a clinical practice guideline. *BMJ*. 2018 May 22;361:k1920. doi: 10.1136/bmj.k1920. PubMed PMID: 29789372; PubMed Central PMCID: PMC6364256.
- 122: Berg P, Saalfeld S, Janiga G, Brina O, Cancelliere NM, Machi P, Pereira VM. Virtual stenting of intracranial aneurysms: A pilot study for the prediction of treatment success based on hemodynamic simulations. *Int J Artif Organs*. 2018 Nov;41(11):698-705. doi: 10.1177/0391398818775521. Epub 2018 May 21. PubMed PMID: 29783867.
- 123: Tschopp C, Tramèr MR, Schneider A, Zaarour M, Elia N. Benefit and Harm of Adding Epinephrine to a Local Anesthetic for Neuraxial and Locoregional Anesthesia: A Meta-analysis of Randomized Controlled Trials With Trial Sequential Analyses. *Anesth Analg*. 2018 Jul;127(1):228-239. doi: 10.1213/ANE.0000000000003417. PubMed PMID: 29782398.
- 124: 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; MoCA-DCI study group. 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*. 2019 May 1;84(5):1124-1132. doi: 10.1093/neuros/nyy155. PubMed PMID: 29762759.
- 125: Dewan MC, Rattani A, Baticulon RE, Faruque S, Johnson WD, Dempsey RJ, Haglund MM, Alkire BC,

- Park KB, Warf BC, Shrime MG. Operative and consultative proportions of neurosurgical disease worldwide: estimation from the surgeon perspective. *J Neurosurg.* 2018 May 1:1-9. doi: 10.3171/2017.10.JNS17347. [Epub ahead of print] PubMed PMID: 29749918.
- 126: Li T, Horta M, Mascaro JS, Bijanki K, Arnal LH, Adams M, Barr RG, Rilling JK. Explaining individual variation in paternal brain responses to infant cries. *Physiol Behav.* 2018 Sep 1;193(Pt A):43-54. doi: 10.1016/j.physbeh.2017.12.033. Epub 2018 May 3. PubMed PMID: 29730041; PubMed Central PMCID: PMC6015531.
- 127: Dewan MC, Rattani A, Fiegen G, Arreaz MA, Servadei F, Boop FA, Johnson WD, Warf BC, Park KB; We would like to thank the following individuals for their dedication and contribution to identifying the global neurosurgical deficit. Collaborators are listed in alphabetical order:. Global neurosurgery: the current capacity and deficit in the provision of essential neurosurgical care. Executive Summary of the Global Neurosurgery Initiative at the Program in Global Surgery and Social Change. *J Neurosurg.* 2018 Apr 1:1-10. doi: 10.3171/2017.11.JNS171500. [Epub ahead of print] PubMed PMID: 29701548.
- 128: Milekovic T, Sarma AA, Bacher D, Simeral JD, Saab J, Pandarinath C, Sorice BL, Blabe C, Oakley EM, Tringale KR, Eskandar E, Cash SS, Henderson JM, Shenoy KV, Donoghue JP, Hochberg LR. Stable long-term BCI-enabled communication in ALS and locked-in syndrome using LFP signals. *J Neurophysiol.* 2018 Jul 1;120(1):343-360. doi: 10.1152/jn.00493.2017. Epub 2018 Apr 25. PubMed PMID: 29694279; PubMed Central PMCID: PMC6093965.
- 129: Morel S, Diagbouga MR, Dupuy N, Sutter E, Braunerreuther V, Pelli G, Corniola M, Gondar R, Jägersberg M, Isidor N, Schaller K, Bochaton-Piallat ML, Bijlenga P, Kwak BR. Correlating Clinical Risk Factors and Histological Features in Ruptured and Unruptured Human Intracranial Aneurysms: The Swiss AneuX Study. *J Neuropathol Exp Neurol.* 2018 Jul 1;77(7):555-566. doi: 10.1093/jnen/nly031. PubMed PMID: 29688417; PubMed Central PMCID: PMC6005054.
- 130: Bartoli A, Tyrand R, Vargas MI, Momjian S, Boëx C. Low Frequency Microstimulation Is Locally Excitatory in Patients With Epilepsy. *Front Neural Circuits.* 2018 Apr 4;12:22. doi: 10.3389/fncir.2018.00022. eCollection 2018. PubMed PMID: 29670511; PubMed Central PMCID: PMC5893788.
- 131: Machi P, Ulm AJ, Bernava G, Brina O, Lovblad KO, Jourdan F. Experimental evaluation of the NeVa™ thrombectomy device a novel stent retriever conceived to improve efficacy of organized clot removal. *J Neuroradiol.* 2019 May;46(3):163-167. doi: 10.1016/j.neurad.2018.03.005. Epub 2018 Apr 3. PubMed PMID: 29625154.
- 132: Momin S, Mahlknecht P, Georgiev D, Foltyne T, Zrinzo L, Hariz M, Zacharia A, Limousin P. Impact of Subthalamic Deep Brain Stimulation Frequency on Upper Limb Motor Function in Parkinson's Disease. *J Parkinsons Dis.* 2018;8(2):267-271. doi: 10.3233/JPD-171150. PubMed PMID: 29614696; PubMed Central PMCID: PMC6004920.
- 133: Gutzwiller EM, Cabrilo I, Radovanovic I, Schaller K, Boëx C. Intraoperative monitoring with visual evoked potentials for brain surgeries. *J Neurosurg.* 2018 Mar 30;130(2):654-660. doi: 10.3171/2017.8.JNS171168. PubMed PMID: 29600911.
- 134: van Mierlo P, Strobbe G, Keereman V, Birot G, Gadeyne S, Gschwind M, Carrette E, Meurs A, Van Roost D, Vonck K, Seeck M, Vulliémoz S, Boon P. Automated long-term EEG analysis to localize the epileptogenic zone. *Epilepsia Open.* 2017 Jun 30;2(3):322-333. doi: 10.1002/epi4.12066. eCollection 2017 Sep. PubMed PMID: 29588961; PubMed Central PMCID: PMC5862106.
- 135: Asboth L, Friedli L, Beauparlant J, Martinez-Gonzalez C, Anil S, Rey E, Baud L, Pidpruzhnykova G,

Anderson MA, Shkorbatova P, Batti L, Pagès S, Kreider J, Schneider BL, Barraud Q, Courtine G. Cortico-reticulo-spinal circuit reorganization enables functional recovery after severe spinal cord contusion. *Nat Neurosci.* 2018 Apr;21(4):576-588. doi: 10.1038/s41593-018-0093-5. Epub 2018 Mar 19. PubMed PMID: 29556028.

136: Sheybani L, Birot G, Contestabile A, Seeck M, Kiss JZ, Schaller K, Michel CM, Quairiaux C. Electrophysiological Evidence for the Development of a Self-Sustained Large-Scale Epileptic Network in the Kainate Mouse Model of Temporal Lobe Epilepsy. *J Neurosci.* 2018 Apr 11;38(15):3776-3791. doi: 10.1523/JNEUROSCI.2193-17.2018. Epub 2018 Mar 19. PubMed PMID: 29555850; PubMed Central PMCID: PMC6705908.

137: Gautschi OP, Stienen MN, Corniola MV, Molliqaj G, Tessitore E. Almost complete resolution of a lumbar disc herniation after lateral interbody fusion without posterior open decompression. *J Neurosurg Sci.* 2018 Apr;62(2):232-233. doi: 10.23736/S0390-5616.16.03852-2. PubMed PMID: 29540049.

138: Verhoeven T, Coito A, Plomp G, Thomschewski A, Pittau F, Trinka E, Wiest R, Schaller K, Michel C, Seeck M, Dambre J, Vulliemoz S, van Mierlo P. Automated diagnosis of temporal lobe epilepsy in the absence of interictal spikes. *Neuroimage Clin.* 2017 Sep 28;17:10-15. doi: 10.1016/j.nicl.2017.09.021. eCollection 2018. PubMed PMID: 29527470; PubMed Central PMCID: PMC5842753.

139: Woost L, Bazin PL, Taubert M, Trampel R, Tardif CL, Garthe A, Kempermann G, Renner U, Stalla G, Ott DVM, Rjosk V, Obrig H, Villringer A, Roggenhofer E, Klein TA. Physical Exercise and Spatial Training: A Longitudinal Study of Effects on Cognition, Growth Factors, and Hippocampal Plasticity. *Sci Rep.* 2018 Mar 9;8(1):4239. doi: 10.1038/s41598-018-19993-9. PubMed PMID: 29523857; PubMed Central PMCID: PMC5844866.

140: Lagerstedt L, Egea-Guerrero JJ, Rodríguez-Rodríguez A, Bustamante A, Montaner J, El Rahal A, Anderegg E, Rinaldi L, Sarrafzadeh A, Schaller K, Sanchez JC. Early measurement of interleukin-10 predicts the absence of CT scan lesions in mild traumatic brain injury. *PLoS One.* 2018 Feb 21;13(2):e0193278. doi: 10.1371/journal.pone.0193278. eCollection 2018. PubMed PMID: 29466474; PubMed Central PMCID: PMC5821397.

141: Brainin M, Feigin V, Martins S, Matz K, Roy J, Sandercock P, Teuschl Y, Tuomilehto J, Wiseman A. Cut stroke in half: Polypill for primary prevention in stroke. *Int J Stroke.* 2018 Aug;13(6):633-647. doi: 10.1177/1747493018761190. Epub 2018 Feb 20. Review. PubMed PMID: 29461155.

142: Salomon R, Ronchi R, Dönz J, Bello-Ruiz J, Herbelin B, Faivre N, Schaller K, Blanke O. Insula mediates heartbeat related effects on visual consciousness. *Cortex.* 2018 Apr;101:87-95. doi: 10.1016/j.cortex.2018.01.005. Epub 2018 Jan 31. PubMed PMID: 29459283.

143: Lhommée E, Wojtecki L, Czernecki V, Witt K, Maier F, Tonder L, Timmermann L, Hälbig TD, Pineau F, Durif F, Witjas T, Pinsker M, Mehdorn M, Sixel-Döring F, Kupsch A, Krüger R, Elben S, Chabardès S, Thobois S, Brefel-Courbon C, Ory-Magne F, Regis JM, Maltête D, Sauvaget A, Rau J, Schnitzler A, Schüpbach M, Schade-Brittinger C, Deuschl G, Houeto JL, Krack P; EARLYSTIM study group. Behavioural outcomes of subthalamic stimulation and medical therapy versus medical therapy alone for Parkinson's disease with early motor complications (EARLYSTIM trial): secondary analysis of an open-label randomised trial. *Lancet Neurol.* 2018 Mar;17(3):223-231. doi: 10.1016/S1474-4422(18)30035-8. PubMed PMID: 29452685.

144: Jones EV, Bernardinelli Y, Zarruk JG, Chierzi S, Murai KK. SPARC and GluA1-Containing AMPA Receptors Promote Neuronal Health Following CNS Injury. *Front Cell Neurosci.* 2018 Feb 1;12:22. doi:

10.3389/fncel.2018.00022. eCollection 2018. PubMed PMID: 29449802; PubMed Central PMCID: PMC5799273.

145: Abbes M, Lhomée E, Thobois S, Klinger H, Schmitt E, Bichon A, Castrioto A, Xie J, Fraix V, Kistner A, Pélissier P, Seigneuret É, Chabardès S, Mertens P, Broussolle E, Moro E, Krack P. Subthalamic stimulation and neuropsychiatric symptoms in Parkinson's disease: results from a long-term follow-up cohort study. *J Neurol Neurosurg Psychiatry*. 2018 Aug;89(8):836-843. doi: 10.1136/jnnp-2017-316373. Epub 2018 Feb 7. PubMed PMID: 29436490.

146: Mégevand P, Seeck M. Electroencephalography, magnetoencephalography and source localization: their value in epilepsy. *Curr Opin Neurol*. 2018 Apr;31(2):176-183. doi: 10.1097/WCO.0000000000000545. Review. PubMed PMID: 29432218.

147: 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; Swiss SOS Study Group. Factors associated with clinical and radiological status on admission in patients with aneurysmal subarachnoid hemorrhage. *Neurosurg Rev*. 2018 Oct;41(4):1059-1069. doi: 10.1007/s10143-018-0952-2. Epub 2018 Feb 10. PubMed PMID: 29428981.

148: Lai M, Vassallo I, Lanz B, Poitry-Yamate C, Hamou MF, Cudalbu C, Gruetter R, Hegi ME. In vivo characterization of brain metabolism by (1)H MRS, (13)C MRS and (18)FDG PET reveals significant glucose oxidation of invasively growing glioma cells. *Int J Cancer*. 2018 Jul 1;143(1):127-138. doi: 10.1002/ijc.31299. Epub 2018 Feb 21. PubMed PMID: 29417580.

149: Allert N, Cheeran B, Deuschl G, Barbe MT, Csoti I, Ebke M, Glaser M, Kang JS, Kelm S, Krack P, Kroth J, Jobst U, Leisse M, Oliviero A, Nolte PN, Quick-Weller J, Strothjohann M, Tamás G, Werner M, Muthuraman M, Volkmann J, Fasano A, Groppa S. Postoperative rehabilitation after deep brain stimulation surgery for movement disorders. *Clin Neurophysiol*. 2018 Mar;129(3):592-601. doi: 10.1016/j.clinph.2017.12.035. Epub 2018 Jan 10. Review. PubMed PMID: 29414403.

150: Kulcsár Z, Machi P, Schaller K, Lovblad KO, Bijlenga P. Trans-venous embolization of a basal ganglia ruptured arteriovenous malformation with open surgical arterial control: A hybrid technique. *J Neuroradiol*. 2018 May;45(3):202-205. doi: 10.1016/j.neurad.2017.12.021. Epub 2018 Feb 2. PubMed PMID: 29410371.

151: Delaunay T, Violland M, Boisgerault N, Dutoit S, Vignard V, Münz C, Gannage M, Dréno B, Vaivode K, Pjanova D, Labarrière N, Wang Y, Chiocca EA, Boeuf FL, Bell JC, Erbs P, Tangy F, Grégoire M, Fonteneau JF. Oncolytic viruses sensitize human tumor cells for NY-ESO-1 tumor antigen recognition by CD4+ effector T cells. *Oncimmunology*. 2017 Dec 26;7(3):e1407897. doi: 10.1080/2162402X.2017.1407897. eCollection 2018. PubMed PMID: 29399408; PubMed Central PMCID: PMC5790392.

152: Preusser M, Winkler F, Valiente M, Manegold C, Moyal E, Widhalm G, Tonn JC, Zielinski C. Recent advances in the biology and treatment of brain metastases of non-small cell lung cancer: summary of a multidisciplinary roundtable discussion. *ESMO Open*. 2018 Jan 26;3(1):e000262. doi: 10.1136/esmoopen-2017-000262. eCollection 2018. Review. PubMed PMID: 29387475; PubMed Central PMCID: PMC5786916.

153: Bartoli A, Fasel JH, Schaller K, Jägersberg M. Endoscopic Transcranial Duraplasty for Rhinoliquorrhea: A Cadaveric Study. *Oper Neurosurg (Hagerstown)*. 2018 Feb 1;14(2):188-193. doi: 10.1093/ons/oxp084. PubMed PMID: 29351678.

154: 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; Swiss SOS study group. 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 Dec 1;83(6):1286-1293. doi: 10.1093/neuros/nyx609. PubMed PMID: 29351673.

155: Jaja BNR, Saposnik G, Lingsma HF, Macdonald E, Thorpe KE, Mamdani M, Steyerberg EW, Molyneux A, Manoel ALO, Schatlo B, Hanggi D, Hasan D, Wong GKC, Etminan N, Fukuda H, Torner J, Schaller KL, Suarez JI, Stienen MN, Vergouwen MDI, Rinkel GJE, Spears J, Cusimano MD, Todd M, Le Roux P, Kirkpatrick P, Pickard J, van den Bergh WM, Murray G, Johnston SC, Yamagata S, Mayer S, Schweizer TA, Macdonald RL; SAHIT collaboration. Development and validation of outcome prediction models for aneurysmal subarachnoid haemorrhage: the SAHIT multinational cohort study. *BMJ*. 2018 Jan 18;360:j5745. doi: 10.1136/bmj.j5745. Erratum in: *BMJ*. 2018 Sep 26;362:k4079. PubMed PMID: 29348138.

156: Martinez-Ramirez D, Jimenez-Shahed J, Leckman JF, Porta M, Servello D, Meng FG, Kuhn J, Huys D, Baldermann JC, Foltnie T, Hariz MI, Joyce EM, Zrinzo L, Kefalopoulou Z, Silburn P, Coyne T, Mogilner AY, Pourfar MH, Khandhar SM, Auyeung M, Ostrem JL, Visser-Vandewalle V, Welter ML, Mallet L, Karachi C, Houeto JL, Klassen BT, Ackermans L, Kaido T, Temel Y, Gross RE, Walker HC, Lozano AM, Walter BL, Mari Z, Anderson WS, Changizi BK, Moro E, Zauber SE, Schrock LE, Zhang JG, Hu W, Rizer K, Monari EH, Foote KD, Malaty IA, Deeb W, Gunduz A, Okun MS. Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome: The International Tourette Syndrome Deep Brain Stimulation Public Database and Registry. *JAMA Neurol*. 2018 Mar 1;75(3):353-359. doi: 10.1001/jamaneurol.2017.4317. Erratum in: *JAMA Neurol*. 2018 Mar;75(3):384. PubMed PMID: 29340590; PubMed Central PMCID: PMC5885852.

157: Punchak M, Mukhopadhyay S, Sachdev S, Hung YC, Peeters S, Rattani A, Dewan M, Johnson WD, Park KB. Neurosurgical Care: Availability and Access in Low-Income and Middle-Income Countries. *World Neurosurg*. 2018 Apr;112:e240-e254. doi: 10.1016/j.wneu.2018.01.029. Epub 2018 Jan 8. PubMed PMID: 29325943.

158: Dutoit V, Migliorini D, Ranzanici G, Marinari E, Widmer V, Lobrinus JA, Momjian S, Costello J, Walker PR, Okada H, Weinschenk T, Herold-Mende C, Dietrich PY. Antigenic expression and spontaneous immune responses support the use of a selected peptide set from the IMA950 glioblastoma vaccine for immunotherapy of grade II and III glioma. *Oncoimmunology*. 2017 Nov 7;7(2):e1391972. doi: 10.1080/2162402X.2017.1391972. eCollection 2018. PubMed PMID: 29308320; PubMed Central PMCID: PMC5749651.

159: Llibre Rodriguez JJ, Prina AM, Acosta D, Guerra M, Huang Y, Jacob KS, Jimenez-Velasquez IZ, Salas A, Sosa AL, Williams JD, Jotheeswaran AT, Acosta I, Liu Z, Prince MJ. The Prevalence and Correlates of Frailty in Urban and Rural Populations in Latin America, China, and India: A 10/66 Population-Based Survey. *J Am Med Dir Assoc*. 2018 Apr;19(4):287-295.e4. doi: 10.1016/j.jamda.2017.09.026. Epub 2018 Jan 3. PubMed PMID: 29306607.

160: Nikolaev SI, Vetiska S, Bonilla X, Boudreau E, Jauhainen S, Rezai Jahromi B, Khyzha N, DiStefano PV, Suutarinen S, Kiehl TR, Mendes Pereira V, Herman AM, Krings T, Andrade-Barazarte H, Tung T, Valiante T, Zadeh G, Tymianski M, Rauramaa T, Ylä-Herttuala S, Wythe JD, Antonarakis SE, Frösen J, Fish JE, Radovanovic I. Somatic Activating KRAS Mutations in Arteriovenous Malformations of the Brain. *N Engl J Med*. 2018 Jan 18;378(3):250-261. doi: 10.1056/NEJMoa1709449. Epub 2018 Jan 3. PubMed PMID: 29298116.

- 161: Guatta R, Scolozzi P. Bone Recontouring by Guided Surgical Navigation Integrating "Mirroring" Computational Planning in the Management of Severe Fronto-orbital Asymmetry in Fibrous Dysplasia. *J Neurol Surg A Cent Eur Neurosurg.* 2018 Mar;79(2):181-185. doi: 10.1055/s-0037-1615286. Epub 2018 Jan 2. PubMed PMID: 29294508.
- 162: Mégevand P, Woodtli A, Yulzari A, Cosgrove GR, Momjian S, Stimec BV, Corniola MV, Fasel JHD. Surgical Training for the Implantation of Neocortical Microelectrode Arrays Using a Formaldehyde-fixed Human Cadaver Model. *J Vis Exp.* 2017 Nov 19;(129). doi: 10.3791/56584. PubMed PMID: 29286458; PubMed Central PMCID: PMC5755428.
- 163: Bouthour W, Wegrzyk J, Momjian S, Péron J, Fleury V, Tomkova Chaoui E, Horvath J, Boëx C, Lüscher C, Burkhardt PR, Krack P, Zacharia A. Short pulse width in subthalamic stimulation in Parkinson's disease: a randomized, double-blind study. *Mov Disord.* 2018 Jan;33(1):169-173. doi: 10.1002/mds.27265. Epub 2017 Dec 21. PubMed PMID: 29266392.
- 164: Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schöni D, Valsecchi D, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Zumofen DW; Swiss SOS Study Group. Predictors of Occurrence and Anatomic Distribution of Multiple Aneurysms in Patients with Aneurysmal Subarachnoid Hemorrhage. *World Neurosurg.* 2018 Mar;111:e199-e205. doi: 10.1016/j.wneu.2017.12.046. Epub 2017 Dec 16. PubMed PMID: 29258940.
- 165: Stienen MN, Joswig H, Chau I, Neidert MC, Bellut D, Wälchli T, Schaller K, Gautschi OP. Efficacy of intraoperative epidural triamcinolone application in lumbar microdiscectomy: a matched-control study. *J Neurosurg Spine.* 2018 Mar;28(3):291-299. doi: 10.3171/2017.6.SPINE161372. Epub 2017 Dec 15. PubMed PMID: 29243999.
- 166: Cossu G, Lebon S, Seeck M, Pralong E, Messerer M, Roulet-Perez E, Daniel RT. Periinsular anterior quadrantotomy: technical note. *J Neurosurg Pediatr.* 2018 Feb;21(2):124-132. doi: 10.3171/2017.8.PEDS17339. Epub 2017 Dec 8. PubMed PMID: 29219786.
- 167: Maldaner N, Burkhardt JK, Stienen MN, Goldberg J, Bervini D, Bijlenga P, Croci D, Zumofen D, D'Alonzo D, Marbacher S, Maduri R, Daniel RT, Serra C, Esposito G, Neidert MC, Bozinov O, Regli L. Decision-making and neurosurgeons' agreement in the management of aneurysmal subarachnoid hemorrhage based on computed tomography angiography. *Acta Neurochir (Wien).* 2018 Feb;160(2):253-260. doi: 10.1007/s00701-017-3415-6. Epub 2017 Dec 7. PubMed PMID: 29214402.
- 168: Machi P, Ouared R, Brina O, Bouillot P, Yilmaz H, Vargas MI, Gondar R, Bijlenga P, Lovblad KO, Kulcsár Z. Hemodynamics of Focal Versus Global Growth of Small Cerebral Aneurysms. *Clin Neuroradiol.* 2019 Jun;29(2):285-293. doi: 10.1007/s00062-017-0640-6. Epub 2017 Dec 5. PubMed PMID: 29209882.
- 169: Nguyen TAK, Cavuscens S, Ranieri M, Schwarz K, Guinand N, van de Berg R, van den Boogert T, Lucieer F, van Hoof M, Guyot JP, Kingma H, Micera S, Perez Fornos A. Characterization of Cochlear, Vestibular and Cochlear-Vestibular Electrically Evoked Compound Action Potentials in Patients with a Vestibulo-Cochlear Implant. *Front Neurosci.* 2017 Nov 21;11:645. doi: 10.3389/fnins.2017.00645. eCollection 2017. PubMed PMID: 29209162; PubMed Central PMCID: PMC5702472.
- 170: Huggins JE, Guger C, Ziat M, Zander TO, Taylor D, Tangermann M, Soria-Frisch A, Simeral J, Scherer R, Rupp R, Ruffini G, Robinson DKR, Ramsey NF, Nijholt A, Müller-Putz G, McFarland DJ, Mattia D, Lance BJ, Kindermans PJ, Iturrate I, Herff C, Gupta D, Do AH, Collinger JL, Chavarriaga R, Chase SM, Bleichner MG, Batista A, Anderson CW, Aarnoutse EJ. Workshops of the Sixth International Brain-

Computer Interface Meeting: brain-computer interfaces past, present, and future. *Brain Comput Interfaces* (Abingdon). 2017;4(1-2):3-36. doi: 10.1080/2326263X.2016.1275488. Epub 2017 Jan 30. PubMed PMID: 29152523; PubMed Central PMCID: PMC5693371.

171: Castrioto A, Carnicella S, Fraix V, Chabardes S, Moro E, Krack P. Reversing dopaminergic sensitization. *Mov Disord*. 2017 Dec;32(12):1679-1683. doi: 10.1002/mds.27213. Epub 2017 Nov 18. Review. PubMed PMID: 29150871.

172: Tuleasca C, Witjas T, Van de Ville D, Najdenovska E, Verger A, Girard N, Champoudry J, Thiran JP, Cuadra MB, Levivier M, Guedj E, Régis J. Right Brodmann area 18 predicts tremor arrest after Vim radiosurgery: a voxel-based morphometry study. *Acta Neurochir (Wien)*. 2018 Mar;160(3):603-609. doi: 10.1007/s00701-017-3391-x. Epub 2017 Nov 11. PubMed PMID: 29128955.

173: Perin A, Prada FU, Moraldo M, Schiappacasse A, Galbiati TF, Gambatesa E, d'Orio P, Riker NI, Basso C, Santoro M, Meling TR, Schaller K, DiMeco F. USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. *Oper Neurosurg (Hagerstown)*. 2018 May 1;14(5):572-578. doi: 10.1093/ons/oxz144. PubMed PMID: 29106668.

174: Ellenberger C, Garofano N, Barcelos G, Diaper J, Pavlovic G, Licker M. Assessment of Haemostasis in patients undergoing emergent neurosurgery by rotational Elastometry and standard coagulation tests: a prospective observational study. *BMC Anesthesiol*. 2017 Oct 24;17(1):146. doi: 10.1186/s12871-017-0440-1. PubMed PMID: 29065860; PubMed Central PMCID: PMC5655946.

175: Staljanssens W, Strobbe G, Van Holen R, Keereman V, Gadeyne S, Carrette E, Meurs A, Pittau F, Momjian S, Seeck M, Boon P, Vandenberghe S, Vulliemoz S, Vonck K, van Mierlo P. EEG source connectivity to localize the seizure onset zone in patients with drug resistant epilepsy. *Neuroimage Clin*. 2017 Sep 14;16:689-698. doi: 10.1016/j.nicl.2017.09.011. eCollection 2017. PubMed PMID: 29034162; PubMed Central PMCID: PMC5633847.

176: Hampel H, Mesulam MM, Cuello AC, Khachaturian AS, Farlow MR, Snyder PJ, Giacobini E, Khachaturian ZS; Cholinergic System Working Group. WITHDRAWN: Revisiting the cholinergic hypothesis in Alzheimer's disease: Emerging evidence from translational and clinical research. *Alzheimers Dement*. 2017 Oct 10. pii: S1552-5260(17)33719-6. doi: 10.1016/j.jalz.2017.08.016. [Epub ahead of print] PubMed PMID: 29028480.

177: Mackay A, Burford A, Carvalho D, Izquierdo E, Fazal-Salom J, Taylor KR, Bjerke L, Clarke M, Vinci M, Nandhabalan M, Temelso S, Popov S, Molinari V, Raman P, Waanders AJ, Han HJ, Gupta S, Marshall L, Zacharoulis S, Vaidya S, Mandeville HC, Bridges LR, Martin AJ, Al-Sarraj S, Chandler C, Ng HK, Li X, Mu K, Trabelsi S, Brahim DH, Kisliakov AN, Konovalov DM, Moore AS, Carcaboso AM, Sunol M, de Torres C, Cruz O, Mora J, Shats LI, Stavale JN, Bidinotto LT, Reis RM, Entz-Werle N, Farrell M, Cryan J, Crimmins D, Caird J, Pears J, Monje M, Debily MA, Castel D, Grill J, Hawkins C, Nikbakht H, Jabado N, Baker SJ, Pfister SM, Jones DTW, Fouladi M, von Bueren AO, Baudis M, Resnick A, Jones C. Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. *Cancer Cell*. 2017 Oct 9;32(4):520-537.e5. doi: 10.1016/j.ccr.2017.08.017. Epub 2017 Sep 28. PubMed PMID: 28966033; PubMed Central PMCID: PMC5637314.

178: Tuleasca C, Witjas T, Najdenovska E, Verger A, Girard N, Champoudry J, Thiran JP, Van de Ville D, Cuadra MB, Levivier M, Guedj E, Régis J. Assessing the clinical outcome of Vim radiosurgery with voxel-based morphometry: visual areas are linked with tremor arrest! *Acta Neurochir (Wien)*. 2017 Nov;159(11):2139-2144. doi: 10.1007/s00701-017-3317-7. Epub 2017 Sep 23. PubMed PMID: 28942466.

- 179: Hartveit E, Zandt BJ, Madsen E, Castilho Á, Mørkve SH, Veruki ML. AMPA receptors at ribbon synapses in the mammalian retina: kinetic models and molecular identity. *Brain Struct Funct.* 2018 Mar;223(2):769-804. doi: 10.1007/s00429-017-1520-1. Epub 2017 Sep 21. PubMed PMID: 28936725.
- 180: Scolozzi P, Bijlenga P. Removal of recurrent intraorbital tumour using a system of augmented reality. *Br J Oral Maxillofac Surg.* 2017 Nov;55(9):962-964. doi: 10.1016/j.bjoms.2017.08.360. Epub 2017 Sep 13. PubMed PMID: 28918184.
- 181: Noubiap JJ, Mengnjo MK, Nicastro N, Kamtchum-Tatuene J. Neurologic complications of sickle cell disease in Africa: A systematic review and meta-analysis. *Neurology.* 2017 Oct 3;89(14):1516-1524. doi: 10.1212/WNL.000000000004537. Epub 2017 Sep 1. Review. PubMed PMID: 28864674; PubMed Central PMCID: PMC5631172.
- 182: Soleman J, Roth J, Bartoli A, Rosenthal D, Korn A, Constantini S. Syringo-Subarachnoid Shunt for the Treatment of Persistent Syringomyelia Following Decompression for Chiari Type I Malformation: Surgical Results. *World Neurosurg.* 2017 Dec;108:836-843. doi: 10.1016/j.wneu.2017.08.002. Epub 2017 Aug 12. PubMed PMID: 28807779.
- 183: van den Bent MJ, Baumert B, Erridge SC, Vogelbaum MA, Nowak AK, Sanson M, Brandes AA, Clement PM, Baurain JF, Mason WP, Wheeler H, Chinot OL, Gill S, Griffin M, Brachman DG, Taal W, Rudà R, Weller M, McBain C, Reijneveld J, Enting RH, Weber DC, Lesimple T, Clenton S, Gijtenbeek A, Pascoe S, Herrlinger U, Hau P, Dhermain F, van Heuvel I, Stupp R, Aldape K, Jenkins RB, Dubbink HJ, Dinjens WNM, Wesseling P, Nuyens S, Golfinopoulos V, Gorlia T, Wick W, Kros JM. Interim results from the CATNON trial (EORTC study 26053-22054) of treatment with concurrent and adjuvant temozolomide for 1p/19q non-co-deleted anaplastic glioma: a phase 3, randomised, open-label intergroup study. *Lancet.* 2017 Oct 7;390(10103):1645-1653. doi: 10.1016/S0140-6736(17)31442-3. Epub 2017 Aug 8. Erratum in: *Lancet.* 2017 Oct 7;390(10103):1644. PubMed PMID: 28801186; PubMed Central PMCID: PMC5806535.
- 184: Carpentier N, Cecchin T, Koessler L, Louis-Dorr V, Jonas J, Vignal JP, Carpentier M, Szurhaj W, Bourgin P, Maillard L. Stereo-electroencephalography identifies N2 sleep and spindles in human hippocampus. *Clin Neurophysiol.* 2017 Sep;128(9):1696-1706. doi: 10.1016/j.clinph.2017.06.248. Epub 2017 Jul 8. PubMed PMID: 28755545.
- 185: Centeno M, Tierney TM, Perani S, Shamshiri EA, St Pier K, Wilkinson C, Konn D, Vulliemoz S, Grouiller F, Lemieux L, Pressler RM, Clark CA, Cross JH, Carmichael DW. Combined electroencephalography-functional magnetic resonance imaging and electrical source imaging improves localization of pediatric focal epilepsy. *Ann Neurol.* 2017 Aug;82(2):278-287. doi: 10.1002/ana.25003. Epub 2017 Aug 9. PubMed PMID: 28749544.
- 186: Delaidelli A, Moiraghi A. Respiration: A New Mechanism for CSF Circulation? *J Neurosci.* 2017 Jul 26;37(30):7076-7078. doi: 10.1523/JNEUROSCI.1155-17.2017. PubMed PMID: 28747391; PubMed Central PMCID: PMC6705733.
- 187: Bouthour W, Krack P, Lüscher C. A deeply superficial brain stimulation. *Mov Disord.* 2017 Sep;32(9):1326. doi: 10.1002/mds.27111. Epub 2017 Jul 22. PubMed PMID: 28734052.
- 188: Welter ML, Houeto JL, Thobois S, Bataille B, Guenot M, Worbe Y, Hartmann A, Czernecki V, Bardinet E, Yelnik J, du Montcel ST, Agid Y, Vidailhet M, Cornu P, Tanguy A, Ansquer S, Jaafari N, Poulet E, Serra G, Burbaud P, Cuny E, Aouizerate B, Pollak P, Chabardes S, Polosan M, Borg M, Fontaine D, Giordana B, Raoul S, Rouaud T, Sauvaget A, Jalénques I, Karachi C, Mallet L; STIC study group. Anterior pallidal deep brain stimulation for Tourette's syndrome: a randomised, double-blind,

controlled trial. *Lancet Neurol.* 2017 Aug;16(8):610-619. doi: 10.1016/S1474-4422(17)30160-6. Epub 2017 Jun 20. PubMed PMID: 28645853.

189: Gembruch O, Dammann P, Schoemberg T, Ahmadipour Y, Payer M, Sure U, Tessitore E, Özkan N. Ventral C1 Fracture Combined with Congenital Posterior Cleft: What to Do? *J Neurol Surg A Cent Eur Neurosurg.* 2018 Jan;79(1):66-72. doi: 10.1055/s-0037-1603636. Epub 2017 Jun 22. PubMed PMID: 28641334.

190: Bally JF, Vargas MI, Horvath J, Fleury V, Burkhard P, Momjian S, Pollak P, Boex C. Localization of Deep Brain Stimulation Contacts Using Corticospinal/Corticobulbar Tracts Stimulation. *Front Neurol.* 2017 May 31;8:239. doi: 10.3389/fneur.2017.00239. eCollection 2017. PubMed PMID: 28620349; PubMed Central PMCID: PMC5450375.

191: Obeso JA, Martinez-Fernandez R, Del Álamo M, Krack P. To lesion or not to lesion: That was the question (Reply to "stereotactic ablative surgery does not just mean 'adding another lesion'"). *Mov Disord.* 2017 Jul;32(7):1113-1114. doi: 10.1002/mds.27066. Epub 2017 Jun 14. PubMed PMID: 28612948.

192: Allali G, Laidet M, Armand S, Momjian S, Marques B, Saj A, Assal F. A combined cognitive and gait quantification to identify normal pressure hydrocephalus from its mimics: The Geneva's protocol. *Clin Neurol Neurosurg.* 2017 Sep;160:5-11. doi: 10.1016/j.clineuro.2017.06.001. Epub 2017 Jun 6. PubMed PMID: 28605723.

193: Kovacs GG, Xie SX, Lee EB, Robinson JL, Caswell C, Irwin DJ, Toledo JB, Johnson VE, Smith DH, Alafuzoff I, Attems J, Bencze J, Bieniek KF, Bigio EH, Bodi I, Budka H, Dickson DW, Dugger BN, Duyckaerts C, Ferrer I, Forrest SL, Gelpi E, Gentleman SM, Giaccone G, Grinberg LT, Halliday GM, Hatanpaa KJ, Hof PR, Hofer M, Hortobágyi T, Ironside JW, King A, Kofler J, Kövari E, Kril JJ, Love S, Mackenzie IR, Mao Q, Matej R, McLean C, Munoz DG, Murray ME, Neltner J, Nelson PT, Ritchie D, Rodriguez RD, Rohan Z, Rozemuller A, Sakai K, Schultz C, Seilhean D, Smith V, Tacik P, Takahashi H, Takao M, Rudolf Thal D, Weis S, Wharton SB, White CL 3rd, Woulfe JM, Yamada M, Trojanowski JQ. Multisite Assessment of Aging-Related Tau Astroglialopathy (ARTAG). *J Neuropathol Exp Neurol.* 2017 Jul 1;76(7):605-619. doi: 10.1093/jnen/nlx041. PubMed PMID: 28591867; PubMed Central PMCID: PMC6251511.

194: Park HD, Bernasconi F, Salomon R, Tallon-Baudry C, Spinelli L, Seeck M, Schaller K, Blanke O. Neural Sources and Underlying Mechanisms of Neural Responses to Heartbeats, and their Role in Bodily Self-consciousness: An Intracranial EEG Study. *Cereb Cortex.* 2018 Jul 1;28(7):2351-2364. doi: 10.1093/cercor/bhx136. PubMed PMID: 28591822.

195: Vargas MI, Boto J, Dammann P, Lovblad KO. High-Resolution Hybrid Imaging Could Improve Cordotomy Lesions and Outcomes. *AJNR Am J Neuroradiol.* 2017 Oct;38(10):E78. doi: 10.3174/ajnr.A5269. Epub 2017 Jun 1. PubMed PMID: 28572148.

196: Boehlen F, Burkhard PR, Momjian S, Fontana P. Subthalamic nucleus deep brain stimulation for Parkinson's disease in a patient with severe haemophilia A. *Haemophilia.* 2017 May;23(3):e246-e248. doi: 10.1111/hae.13235. PubMed PMID: 28520203.

197: Dammann P, Jägersberg M, Kulcsar Z, Radovanovic I, Schaller K, Bijlenga P. Clipping of ruptured intracranial aneurysms in a hybrid room environment-a case-control study. *Acta Neurochir (Wien).* 2017 Jul;159(7):1291-1298. doi: 10.1007/s00701-017-3212-2. Epub 2017 May 17. PubMed PMID: 28516365.

198: Jägersberg M, El Rahal A, Dammann P, Merkler D, Weber DC, Schaller K. Clival chordoma: a

single-centre outcome analysis. *Acta Neurochir (Wien)*. 2017 Oct;159(10):1815-1823. doi: 10.1007/s00701-017-3163-7. Epub 2017 May 7. PubMed PMID: 28478512.

199: Molliqaj G, Schatlo B, Alaid A, Solomiichuk V, Rohde V, Schaller K, Tessitore E. Accuracy of robot-guided versus freehand fluoroscopy-assisted pedicle screw insertion in thoracolumbar spinal surgery. *Neurosurg Focus*. 2017 May;42(5):E14. doi: 10.3171/2017.3.FOCUS179. PubMed PMID: 28463623.

200: Solomiichuk V, Fleischhammer J, Molliqaj G, Warda J, Alaid A, von Eckardstein K, Schaller K, Tessitore E, Rohde V, Schatlo B. Robotic versus fluoroscopy-guided pedicle screw insertion for metastatic spinal disease: a matched-cohort comparison. *Neurosurg Focus*. 2017 May;42(5):E13. doi: 10.3171/2017.3.FOCUS1710. PubMed PMID: 28463620.

1: Hossain I, Mohammadian M, Takala RS, Tenovuo O, Lagerstedt L, Ala-Seppälä HM, Frantzén J, Van Gils M, Hutchinson PJ, Katila AJ, Maanpää HR, Menon D, Newcombe V, Tallus J, Hrusovsky K, Wilson D, Blennow K, Sanchez JC, Zetterberg H, Posti JP. **Early levels of GFAP and NF-L in predicting the outcome of mild TBI**. *J Neurotrauma*. 2018 Nov 29. doi: 10.1089/neu.2018.5952. [Epub ahead of print] PubMed PMID: 30489229.

2: Pennells L, Kaptoge S, Wood A, Sweeting M, Zhao X, White I, Burgess S, Willeit P, Bolton T, Moons KGM, van der Schouw YT, Selmer R, Khaw KT, Gudnason V, Assmann G, Amouyel P, Salomaa V, Kivimaki M, Nordestgaard BG, Blaha MJ, Kuller LH, Brenner H, Gillum RF, Meisinger C, Ford I, Knuiman MW, Rosengren A, Lawlor DA, Völzke H, Cooper C, Marín Ibañez A, Casiglia E, Kauhanen J, Cooper JA, Rodriguez B, Sundström J, Barrett-Connor E, Dankner R, Nietert PJ, Davidson KW, Wallace RB, Blazer DG, Björkelund C, Donfrancesco C, Krumholz HM, Nissinen A, Davis BR, Coady S, Whincup PH, Jørgensen T, Ducimetiere P, Trevisan M, Engström G, Crespo CJ, Meade TW, Visser M, Kromhout D, Kiechl S, Daimon M, Price JF, Gómez de la Cámara A, Wouter Jukema J, Lamarche B, Onat A, Simons LA, Kavousi M, Ben-Shlomo Y, Gallacher J, Dekker JM, Arima H, Shara N, Tipping RW, Roussel R, Brunner EJ, Koenig W, Sakurai M, Pavlovic J, Gansevoort RT, Nagel D, Goldbourt U, Barr ELM, Palmieri L, Njølstad I, Sato S, Monique Verschuren WM, Varghese CV, Graham I, Onuma O, Greenland P, Woodward M, Ezzati M, Psaty BM, Sattar N, Jackson R, Ridker PM, Cook NR, D'Agostino RB Sr, Thompson SG, Danesh J, Di Angelantonio E; Emerging Risk Factors Collaboration . Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. *Eur Heart J*. 2018 Nov 22. doi: 10.1093/euroheartj/ehy653. [Epub ahead of print] PubMed PMID: 30476079.

3: König M, Osnes T, Jebson P, Meling TR. Craniofacial resection of malignant tumors of the anterior skull base: a case series and a systematic review. *Acta Neurochir (Wien)*. 2018 Dec;160(12):2339-2348. doi: 10.1007/s00701-018-3716-4. Epub 2018 Nov 7. PubMed PMID: 30402666.

4: Tuleasca C, Régis J, Najdenovska E, Witjas T, Girard N, Thiran JP, Cuadra MB, Levivier M, Van De Ville D. Letter: Deep Brain Stimulation of the Pedunculopontine Nucleus Area in Parkinson's disease: Magnetic Resonance Imaging-Based Anatomoclinical Correlations and Optimal Target. *Neurosurgery*. 2018 Nov 2. doi: 10.1093/neuros/nyy516. [Epub ahead of print] PubMed PMID: 30395324.

5: Wagner FB, Mignardot JB, Le Goff-Mignardot CG, Demesmaeker R, Komi S, Capogrosso M, Rowald A, Seáñez I, Caban M, Pirondini E, Vat M, McCracken LA, Heimgartner R, Fodor I, Watrin A, Seguin P, Paolés E, Van Den Keybus K, Eberle G, Schurch B, Pralong E, Becce F, Prior J, Buse N, Buschman R, Neufeld E, Kuster N, Carda S, von Zitzewitz J, Delattre V, Denison T, Lambert H, Minassian K, Bloch J, Courtine G. Targeted neurotechnology restores walking in humans with spinal cord injury. *Nature*.

2018 Nov;563(7729):65-71. doi: 10.1038/s41586-018-0649-2. Epub 2018 Oct 31. PubMed PMID: 30382197.

6: Detmer FJ, Fajardo-Jiménez D, Mut F, Juchler N, Hirsch S, Pereira VM, Bijlenga P, Cebral JR. [External validation](#) of cerebral [aneurysm rupture](#) probability model with data from two patient cohorts. *Acta Neurochir (Wien)*. 2018 Dec;160(12):2425-2434. doi: 10.1007/s00701-018-3712-8. Epub 2018 Oct 30. PubMed PMID: 30374656.

7: Lin N, Vutskits L, Bebawy JF, Gelb AW. Perspectives on Dexmedetomidine Use for Neurosurgical Patients. *J Neurosurg Anesthesiol*. 2018 Oct 22. doi: 10.1097/ANA.0000000000000554. [Epub ahead of print] PubMed PMID: 30363004.

8: Roccio M, Perny M, Ealy M, Widmer HR, Heller S, Senn P. Molecular characterization and prospective isolation of human fetal cochlear hair cell progenitors. *Nat Commun*. 2018 Oct 2;9(1):4027. doi: 10.1038/s41467-018-06334-7. PubMed PMID: 30279445; PubMed Central PMCID: PMC6168603.

9: Perin A, Galbiati TF, Gambatesa E, Ayadi R, Orena EF, Cuomo V, Riker NI, Falsitta LV, Schembri S, Rizzo S; European Neurosurgery Simulation Study Group (ENSSG), Luciano C, Cappabianca P, Meling TR, Schaller K, DiMeco F. Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. *Acta Neurochir (Wien)*. 2018 Nov;160(11):2087-2097. doi: 10.1007/s00701-018-3676-8. Epub 2018 Oct 1. PubMed PMID: 30276545.

10: Rousseau G, Johnson WD, Park KB, Arráez Sánchez M, Servadei F, Vaughan KA. Global neurosurgery: current and potential impact of neurosurgeons at the World Health Organization and the World Health Assembly. Executive summary of the World Federation of Neurosurgical Societies-World Health Organization Liaison Committee at the 71st World Health Assembly. *Neurosurg Focus*. 2018 Oct;45(4):E18. doi: 10.3171/2018.7.FOCUS18295. PubMed PMID: 30269578.

11: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, de Saint Martin A, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorbets S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks EH, Jansen FE, Braun K, de Jong D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Crichtiutti G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordlijr DR, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, de Bellescize J, Catenoinx H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaits CJ, Weckhuysen S, Poduri A, Lemke JR, Möller RS, Baulac S. Correction: The landscape of epilepsy-related GATOR1 variants. *Genet Med*. 2018 Sep 27. doi: 10.1038/s41436-018-0325-9. [Epub ahead of print] PubMed PMID: 30262923.

12: Martínez-Fernández R, Kibleur A, Chabardès S, Fraix V, Castrioto A, Lhomée E, Moro E, Lescoules L, Pelissier P, David O, Krack P. Different effects of levodopa and subthalamic stimulation on emotional conflict in Parkinson's disease. *Hum Brain Mapp*. 2018 Dec;39(12):5014-5027. doi: 10.1002/hbm.24341. Epub 2018 Sep 26. PubMed PMID: 30259598.

13: Studerus-Germann AM, Gautschi OP, Bontempi P, Thiran JP, Daducci A, Romascano D, von Ow D, Hildebrandt G, von Hessling A, Engel DC. Central nervous system microbleeds in the acute phase are associated with structural integrity by DTI one year after mild traumatic brain injury: A longitudinal study. *Neurol Neurochir Pol*. 2018 Sep 13. pii: S0028-3843(18)30242-1. doi: 10.1016/j.pjnns.2018.08.011. [Epub ahead of print] PubMed PMID: 30245171.

- 14: Chnafa C, Bouillot P, Brina O, Najafi M, Delattre BMA, Vargas MI, Pereira VM, Steinman DA. Errors in power-law estimations of inflow rates for intracranial aneurysm CFD. *J Biomech.* 2018 Oct 26;80:159-165. doi: 10.1016/j.jbiomech.2018.09.006. Epub 2018 Sep 13. PubMed PMID: 30243498.
- 15: Boëx C, Tyrand R, Horvath J, Fleury V, Sadri S, Corniola M, Burkhardt PR, Momjian S. What Is the Best Electrophysiologic Marker of the Outcome of Subthalamic Nucleus Stimulation in Parkinson's disease? *World Neurosurg.* 2018 Dec;120:e1217-e1224. doi: 10.1016/j.wneu.2018.09.047. Epub 2018 Sep 18. PubMed PMID: 30240865.
- 16: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, Martin AS, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorberts S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks E, Jansen F, Braun K, Jong D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Criciutti G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordlijr DR, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, Bellescize J, Catenoix H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaits CJ, Weckhuysen S, Poduri A, Lemke JR, Møller RS, Baulac S. Correction to: The landscape of epilepsy-related GATOR1 variants. *Genet Med.* 2018 Aug 29. doi: 10.1038/s41436-018-0284-1. [Epub ahead of print] PubMed PMID: 30158694.
- 17: Haldeman S, Johnson CD, Chou R, Nordin M, Côté P, Hurwitz EL, Green BN, Cedraschi C, Acaroglu E, Kopansky-Giles D, Ameis A, Adjei-Kwayisi A, Ayhan S, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dunn R, Goertz C, Griffith EA, Hondras M, Kane EJ, Lemeunier N, Mayer J, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Randhawa K, Shearer H, Sönmez E, Torres C, Torres P, Verville L, Vlok A, Watters W 3rd, Wong CC, Yu H. The Global Spine Care Initiative: care pathway for people with spine-related concerns. *Eur Spine J.* 2018 Sep;27(Suppl 6):901-914. doi: 10.1007/s00586-018-5721-y. Epub 2018 Aug 27. PubMed PMID: 30151811.
- 18: Haldeman S, Nordin M, Chou R, Côté P, Hurwitz EL, Johnson CD, Randhawa K, Green BN, Kopansky-Giles D, Acaroglu E, Ameis A, Cedraschi C, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondras M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities. *Eur Spine J.* 2018 Sep;27(Suppl 6):776-785. doi: 10.1007/s00586-018-5722-x. Epub 2018 Aug 27. PubMed PMID: 30151809.
- 19: Johnson CD, Haldeman S, Nordin M, Chou R, Côté P, Hurwitz EL, Green BN, Kopansky-Giles D, Randhawa K, Cedraschi C, Ameis A, Acaroglu E, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondras M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: methodology, contributors, and disclosures. *Eur Spine J.* 2018 Sep;27(Suppl

6):786-795. doi: 10.1007/s00586-018-5723-9. Epub 2018 Aug 27. PubMed PMID: 30151808.

20: Johnson CD, Haldeman S, Chou R, Nordin M, Green BN, Côté P, Hurwitz EL, Kopansky-Giles D, Acaroglu E, Cedraschi C, Ameis A, Randhawa K, Aartun E, Adjei-Kwayisi A, Ayhan S, Aziz A, Bas T, Blyth F, Borenstein D, Brady O, Brooks P, Camilleri C, Castellote JM, Clay MB, Davatchi F, Dudler J, Dunn R, Eberspaecher S, Emmerich J, Farcy JP, Fisher-Jeffes N, Goertz C, Grevitt M, Griffith EA, Hajjaj-Hassouni N, Hartvigsen J, Hondras M, Kane EJ, Laplante J, Lemeunier N, Mayer J, Mior S, Mmopelwa T, Modic M, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Rajasekaran S, Shearer H, Smuck M, Sönmez E, Tavares P, Taylor-Vaisey A, Torres C, Torres P, van der Horst A, Verville L, Vialle E, Kumar GV, Vlok A, Watters W 3rd, Wong CC, Wong JJ, Yu H, Yüksel S. The Global Spine Care Initiative: model of care and implementation. *Eur Spine J.* 2018 Sep;27(Suppl 6):925-945. doi: 10.1007/s00586-018-5720-z. Epub 2018 Aug 27. PubMed PMID: 30151805.

21: Kopansky-Giles D, Johnson CD, Haldeman S, Chou R, Côté P, Green BN, Nordin M, Acaroglu E, Ameis A, Cedraschi C, Hurwitz EL, Ayhan S, Borenstein D, Brady O, Brooks P, Davatchi F, Dunn R, Goertz C, Hajjaj-Hassouni N, Hartvigsen J, Hondras M, Lemeunier N, Mayer J, Mior S, Moss J, Mullerpatan R, Muteti E, Mwaniki L, Ngandeu-Singwe M, Outerbridge G, Randhawa K, Torres C, Torres P, Vlok A, Wong CC. The Global Spine Care Initiative: resources to implement a spine care program. *Eur Spine J.* 2018 Sep;27(Suppl 6):915-924. doi: 10.1007/s00586-018-5725-7. Epub 2018 Aug 27. PubMed PMID: 30151804.

22: Barthélémy EJ, Park KB, Johnson W. Neurosurgery and Sustainable Development Goals. *World Neurosurg.* 2018 Dec;120:143-152. doi: 10.1016/j.wneu.2018.08.070. Epub 2018 Aug 23. PubMed PMID: 30144610.

23: 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 group. Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery.* 2018 Aug 3. doi: 10.1093/neuros/nyy331. [Epub ahead of print] PubMed PMID: 30113674.

24: Lenga P, Hohaus C, Hong B, Kursumovic A, Maldaner N, Burkhardt JK, Bijlenga P, Rüfenacht DA, Schmidt NO, Vajkoczy P, Dengler J; Giant Intracranial Aneurysm Registry Study Group. Giant intracranial aneurysms of the posterior circulation and their relation to the brainstem: analysis of risk factors for neurological deficits. *J Neurosurg.* 2018 Aug 10:1-7. doi: 10.3171/2018.4.JNS172343. [Epub ahead of print] PubMed PMID: 30095339.

25: Baldassari S, Picard F, Verbeek NE, van Kempen M, Brilstra EH, Lesca G, Conti V, Guerrini R, Bisulli F, Licchetta L, Pippucci T, Tinuper P, Hirsch E, de Saint Martin A, Chelly J, Rudolf G, Chipaux M, Ferrand-Sorbets S, Dorfmüller G, Sisodiya S, Balestrini S, Schoeler N, Hernandez-Hernandez L, Krithika S, Oegema R, Hagebeuk E, Gunning B, Deckers C, Berghuis B, Wegner I, Niks E, Jansen FE, Braun K, de Jong D, Rubboli G, Talvik I, Sander V, Uldall P, Jacquemont ML, Nava C, Leguern E, Julia S, Gambardella A, d'Orsi G, Criciutti G, Faivre L, Darmency V, Benova B, Krsek P, Biraben A, Lebre AS, Jennesson M, Sattar S, Marchal C, Nordli DR Jr, Lindstrom K, Striano P, Lomax LB, Kiss C, Bartolomei F, Lepine AF, Schoonjans AS, Stouffs K, Jansen A, Panagiotakaki E, Ricard-Mousnier B, Thevenon J, de Bellescize J, Catenox H, Dorn T, Zenker M, Müller-Schlüter K, Brandt C, Krey I, Polster T, Wolff M, Balci M, Rostasy K, Achaz G, Zacher P, Becher T, Cloppenborg T, Yuskaitis CJ, Weckhuysen S, Poduri A, Lemke JR, Møller RS, Baulac S. The landscape of epilepsy-related GATOR1 variants. *Genet Med.* 2018 Aug 10. doi: 10.1038/s41436-018-0060-2. [Epub ahead of print] Erratum in: *Genet Med.* 2018 Aug 29;. Genet Med. 2018 Sep 27;:. PubMed PMID: 30093711.

- 26: Tronnier VM, Eldabe S, Franke J, Huygen F, Rigoard P, de Andres Ares J, Assaker R, Gomez-Rice A, La Grua M, Moens M, Moke L, Perruchoud C, Quraishi NA, Rothenfluh DA, Tabatabaei P, Van Boxem K, Vleggeert-Lankamp C, Zoëga B, Stoevelaar HJ. The appropriate management of persisting pain after spine surgery: a European panel study with recommendations based on the RAND/UCLA method. *Eur Spine J.* 2018 Aug 4. doi: 10.1007/s00586-018-5711-0. [Epub ahead of print] PubMed PMID: 30078053.
- 27: Bonizzato M, Pidpruzhnykova G, DiGiovanna J, Shkorbatova P, Pavlova N, Micera S, Courtine G. Brain-controlled modulation of spinal circuits improves recovery from spinal cord injury. *Nat Commun.* 2018 Aug 1;9(1):3015. doi: 10.1038/s41467-018-05282-6. PubMed PMID: 30068906; PubMed Central PMCID: PMC6070513.
- 28: Bernasconi F, Noel JP, Park HD, Faivre N, Seeck M, Spinelli L, Schaller K, Blanke O, Serino A. Audio-Tactile and Peripersonal Space Processing Around the Trunk in Human Parietal and Temporal Cortex: An Intracranial EEG Study. *Cereb Cortex.* 2018 Sep 1;28(9):3385-3397. doi: 10.1093/cercor/bhy156. PubMed PMID: 30010843; PubMed Central PMCID: PMC6095214.
- 29: Haegelen C, Baumgarten C, Houvenaghel JF, Zhao Y, Péron J, Drapier S, Jannin P, Morandi X. Functional atlases for analysis of motor and neuropsychological outcomes after medial globus pallidus and subthalamic stimulation. *PLoS One.* 2018 Jul 13;13(7):e0200262. doi: 10.1371/journal.pone.0200262. eCollection 2018. PubMed PMID: 30005077; PubMed Central PMCID: PMC6044526.
- 30: Lagerstedt L, Egea-Guerrero JJ, Bustamante A, Rodríguez-Rodríguez A, El Rahal A, Quintana-Diaz M, García-Armengol R, Prica CM, Anderegg E, Rinaldi L, Sarrafzadeh A, Schaller K, Montaner J, Sanchez JC. Combining H-FABP and GFAP increases the capacity to differentiate between CT-positive and CT-negative patients with mild traumatic brain injury. *PLoS One.* 2018 Jul 9;13(7):e0200394. doi: 10.1371/journal.pone.0200394. eCollection 2018. PubMed PMID: 29985933; PubMed Central PMCID: PMC6037378.
- 31: Diagbouga MR, Morel S, Bijlenga P, Kwak BR. Role of hemodynamics in initiation/growth of intracranial aneurysms. *Eur J Clin Invest.* 2018 Sep;48(9):e12992. doi: 10.1111/eci.12992. Epub 2018 Jul 20. Review. PubMed PMID: 29962043.
- 32: Weber DC, Ares C, Villa S, Peerdeman SM, Renard L, Baumert BG, Lucas A, Veninga T, Pica A, Jefferies S, Ricardi U, Miralbell R, Stelmes JJ, Liu Y, Collette L, Collette S. Adjuvant postoperative high-dose radiotherapy for atypical and malignant meningioma: A phase-II parallel non-randomized and observation study (EORTC 22042-26042). *Radiother Oncol.* 2018 Aug;128(2):260-265. doi: 10.1016/j.radonc.2018.06.018. Epub 2018 Jun 28. PubMed PMID: 29960684.
- 33: Brunori A, de Falco R, Delitala A, Schaller K, Schonauer C. Tailoring Endoscopic Approach to Colloid Cysts of the Third Ventricle: A Multicenter Experience. *World Neurosurg.* 2018 Sep;117:e457-e464. doi: 10.1016/j.wneu.2018.06.051. Epub 2018 Jun 26. PubMed PMID: 29959067.
- 34: Durner G, Piano M, Lenga P, Mielke D, Hohaus C, Guhl S, Maldaner N, Burkhardt JK, Pedro MT, Lehmberg J, Rufenacht D, Bijlenga P, Etminan N, Krauss JK, Boccardi E, Hänggi D, Vajkoczy P, Dengler J; Giant Intracranial Aneurysm Study Group. Cranial nerve deficits in giant cavernous carotid aneurysms and their relation to aneurysm morphology and location. *Acta Neurochir (Wien).* 2018 Aug;160(8):1653-1660. doi: 10.1007/s00701-018-3580-2. Epub 2018 Jun 9. PubMed PMID: 29948299.
- 35: Tuleasca C, Najdenovska E, Régis J, Witjas T, Girard N, Champaudry J, Faouzi M, Thiran JP, Cuadra MB, Levivier M, Van De Ville D. Pretherapeutic Motor Thalamus Resting-State Functional Connectivity with Visual Areas Predicts Tremor Arrest After Thalamotomy for Essential Tremor: Tracing the

Cerebello-thalamo-visuo-motor Network. *World Neurosurg.* 2018 Sep;117:e438-e449. doi: 10.1016/j.wneu.2018.06.049. Epub 2018 Jun 18. PubMed PMID: 29920392.

36: Reinbold CS, Forstner AJ, Hecker J, Fullerton JM, Hoffmann P, Hou L, Heilbronner U, Degenhardt F, Adli M, Akiyama K, Akula N, Ardau R, Arias B, Backlund L, Benabarre A, Bengesser S, Bhattacharjee AK, Biernacka JM, Birner A, Marie-Claire C, Cervantes P, Chen GB, Chen HC, Chillotti C, Clark SR, Colom F, Cousins DA, Cruceanu C, Czerski PM, Dayer A, Étain B, Falkai P, Frisén L, Gard S, Garnham JS, Goes FS, Grof P, Gruber O, Hashimoto R, Hauser J, Herms S, Jamain S, Jiménez E, Kahn JP, Kassem L, Kittel-Schneider S, Kliwicki S, König B, Kusumi I, Lackner N, Laje G, Landén M, Lavebratt C, Leboyer M, Leckband SG, López Jaramillo CA, MacQueen G, Manchia M, Martinsson L, Mattheisen M, McCarthy MJ, McElroy SL, Mitjans M, Mondimore FM, Monteleone P, Nievergelt CM, Ösby U, Ozaki N, Perlis RH, Pfennig A, Reich-Erkelenz D, Rouleau GA, Schofield PR, Schubert KO, Schweizer BW, Seemüller F, Severino G, Shekhtman T, Shilling PD, Shimoda K, Simhandl C, Slaney CM, Smoller JW, Squassina A, Stamm TJ, Stopkova P, Tighe SK, Tortorella A, Turecki G, Volkert J, Witt SH, Wright AJ, Young LT, Zandi PP, Potash JB, DePaulo JR, Bauer M, Reininghaus E, Novák T, Aubry JM, Maj M, Baune BT, Mitchell PB, Vieta E, Frye MA, Rybakowski JK, Kuo PH, Kato T, Grigoroiu-Serbanescu M, Reif A, Del Zompo M, Bellivier F, Schalling M, Wray NR, Kelsoe JR, Alda M, McMahon FJ, Schulze TG, Rietschel M, Nöthen MM, Cichon S. Analysis of the Influence of microRNAs in Lithium Response in Bipolar Disorder. *Front Psychiatry.* 2018 May 31;9:207. doi: 10.3389/fpsyg.2018.00207. eCollection 2018. PubMed PMID: 29904359; PubMed Central PMCID: PMC5991073.

37: Baud MO, Perneger T, Rácz A, Pensel MC, Elger C, Rydenhag B, Malmgren K, Cross JH, McKenna G, Tisdall M, Lamberink HJ, Rheims S, Ryvlin P, Isnard J, Mauguière F, Arzimanoglou A, Akkol S, Deniz K, Ozkara C, Lossius M, Rektor I, Kälviäinen R, Vanhatalo LM, Dimova P, Minkin K, Staack AM, Steinhoff BJ, Kalina A, Krsek P, Marusic P, Jordan Z, Fabo D, Carrette E, Boon P, Rocka S, Mameniškienė R, Vulliemoz S, Pittau F, Braun KPJ, Seeck M. European trends in epilepsy surgery. *Neurology.* 2018 Jul 10;91(2):e96-e106. doi: 10.1212/WNL.0000000000005776. Epub 2018 Jun 13. PubMed PMID: 29898967.

38: Bouillot P, Brina O, Delattre BMA, Ouared R, Pellaton A, Yilmaz H, Machi P, Lovblad KO, Farhat M, Pereira VM, Vargas MI. Neurovascular stent artifacts in 3D-TOF and 3D-PCMRI: Influence of stent design on flow measurement. *Magn Reson Med.* 2019 Jan;81(1):560-572. doi: 10.1002/mrm.27352. Epub 2018 Jun 12. PubMed PMID: 29893989.

39: Grassi G, Figee M, Ooms P, Righi L, Nakamae T, Pallanti S, Schuurman R, Denys D. Impulsivity and decision-making in obsessive-compulsive disorder after effective deep brain stimulation or treatment as usual. *CNS Spectr.* 2018 Oct;23(5):333-339. doi: 10.1017/S1092852918000846. Epub 2018 Jun 4. PubMed PMID: 29860948.

40: Hampel H, Mesulam MM, Cuello AC, Farlow MR, Giacobini E, Grossberg GT, Khachaturian AS, Vergallo A, Cavedo E, Snyder PJ, Khachaturian ZS. The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. *Brain.* 2018 Jul 1;141(7):1917-1933. doi: 10.1093/brain/awy132. PubMed PMID: 29850777; PubMed Central PMCID: PMC6022632.

41: Rochwerg B, Almenawer SA, Siemieniuk RAC, Vandvik PO, Agoritsas T, Lytvyn L, Alhazzani W, Archambault P, D'Aragon F, Farhoudmand PD, Guyatt G, Laake JH, Beltrán-Arroyave C, McCredie V, Price A, Chabot C, Zervakis T, Badhiwala J, St-Onge M, Szczeklik W, Møller MH, Lamontagne F. Atraumatic (pencil-point) versus conventional needles for lumbar puncture: a clinical practice guideline. *BMJ.* 2018 May 22;361:k1920. doi: 10.1136/bmj.k1920. PubMed PMID: 29789372.

42: Berg P, Saalfeld S, Janiga G, Brina O, Cancelliere NM, Machi P, Pereira VM. Virtual stenting of intracranial aneurysms: A pilot study for the prediction of treatment success based on hemodynamic

- simulations. *Int J Artif Organs.* 2018 Nov;41(11):698-705. doi: 10.1177/0391398818775521. Epub 2018 May 21. PubMed PMID: 29783867.
- 43: 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; MoCA-DCI study group . 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 May 11. doi: 10.1093/neuros/nyy155. [Epub ahead of print] PubMed PMID: 29762759.
- 44: Dewan MC, Rattani A, Baticulon RE, Faruque S, Johnson WD, Dempsey RJ, Haglund MM, Alkire BC, Park KB, Warf BC, Shrime MG. Operative and consultative proportions of neurosurgical disease worldwide: estimation from the surgeon perspective. *J Neurosurg.* 2018 May 11:1-9. doi: 10.3171/2017.10.JNS17347. [Epub ahead of print] PubMed PMID: 29749918.
- 45: Li T, Horta M, Mascaro JS, Bijanki K, Arnal LH, Adams M, Barr RG, Rilling JK. Explaining individual variation in paternal brain responses to infant cries. *Physiol Behav.* 2018 Sep 1;193(Pt A):43-54. doi: 10.1016/j.physbeh.2017.12.033. Epub 2018 May 3. PubMed PMID: 29730041; PubMed Central PMCID: PMC6015531.
- 46: Dewan MC, Rattani A, Fiegen G, Arraez MA, Servadei F, Boop FA, Johnson WD, Warf BC, Park KB. Global neurosurgery: the current capacity and deficit in the provision of essential neurosurgical care. Executive Summary of the Global Neurosurgery Initiative at the Program in Global Surgery and Social Change. *J Neurosurg.* 2018 Apr 27:1-10. doi: 10.3171/2017.11.JNS171500. [Epub ahead of print] PubMed PMID: 29701548.
- 47: Milekovic T, Sarma AA, Bacher D, Simeral JD, Saab J, Pandarinath C, Sorice BL, Blabe C, Oakley EM, Tringale KR, Eskandar E, Cash SS, Henderson JM, Shenoy KV, Donoghue JP, Hochberg LR. Stable long-term BCI-enabled communication in ALS and locked-in syndrome using LFP signals. *J Neurophysiol.* 2018 Jul 1;120(1):343-360. doi: 10.1152/jn.00493.2017. Epub 2018 Apr 25. PubMed PMID: 29694279; PubMed Central PMCID: PMC6093965.
- 48: Morel S, Diagbouga MR, Dupuy N, Sutter E, Braunersreuther V, Pelli G, Corniola M, Gondar R, Jägersberg M, Isidor N, Schaller K, Bochaton-Piallat ML, Bijlenga P, Kwak BR. Correlating Clinical Risk Factors and Histological Features in Ruptured and Unruptured Human Intracranial Aneurysms: The Swiss AneuX Study. *J Neuropathol Exp Neurol.* 2018 Jul 1;77(7):555-566. doi: 10.1093/jnen/nly031. PubMed PMID: 29688417; PubMed Central PMCID: PMC6005054.
- 49: Bartoli A, Tyrand R, Vargas MI, Momjian S, Boëx C. Low Frequency Microstimulation Is Locally Excitatory in Patients With Epilepsy. *Front Neural Circuits.* 2018 Apr 4;12:22. doi: 10.3389/fncir.2018.00022. eCollection 2018. PubMed PMID: 29670511; PubMed Central PMCID: PMC5893788.
- 50: Tuleasca C, Régis J, Najdenovska E, Witjas T, Girard N, Thiran JP, Bach Cuadra M, Levivier M, Van De Ville D. Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. *Brain.* 2018 Jun 1;141(6):e47. doi: 10.1093/brain/awy094. PubMed PMID: 29659712.
- 51: Machi P, Ulm AJ, Bernava G, Brina O, Lovblad KO, Jourdan F. Experimental evaluation of the NeVa™ thrombectomy device a novel stent retriever conceived to improve efficacy of organized clot removal. *J Neuroradiol.* 2018 Apr 3. pii: S0150-9861(17)30521-7. doi: 10.1016/j.neurad.2018.03.005. [Epub ahead of print] PubMed PMID: 29625154.
- 52: Momin S, Mahlknecht P, Georgiev D, Foltyne T, Zrinzo L, Hariz M, Zacharia A, Limousin P. Impact

of Subthalamic Deep Brain Stimulation Frequency on Upper Limb Motor Function in Parkinson's Disease. *J Parkinsons Dis.* 2018;8(2):267-271. doi: 10.3233/JPD-171150. PubMed PMID: 29614696; PubMed Central PMCID: PMC6004920.

53: Gutzwiller EM, Cabrilo I, Radovanovic I, Schaller K, Boëx C. Intraoperative monitoring with visual evoked potentials for brain surgeries. *J Neurosurg.* 2018 Mar 30;118(3):1-7. doi: 10.3171/2017.8.JNS171168. [Epub ahead of print] PubMed PMID: 29600911.

54: van Mierlo P, Strobbe G, Keereman V, Birot G, Gadeyne S, Gschwind M, Carrette E, Meurs A, Van Roost D, Vonck K, Seeck M, Vulliémoz S, Boon P. Automated long-term EEG analysis to localize the epileptogenic zone. *Epilepsia Open.* 2017 Jun 30;2(3):322-333. doi: 10.1002/epi4.12066. eCollection 2017 Sep. PubMed PMID: 29588961; PubMed Central PMCID: PMC5862106.

55: Asboth L, Friedli L, Beauparlant J, Martinez-Gonzalez C, Anil S, Rey E, Baud L, Pidpruzhnykova G, Anderson MA, Shkorbatova P, Batti L, Pagès S, Kreider J, Schneider BL, Barraud Q, Courtine G. Cortico-reticulo-spinal circuit reorganization enables functional recovery after severe spinal cord contusion. *Nat Neurosci.* 2018 Apr;21(4):576-588. doi: 10.1038/s41593-018-0093-5. Epub 2018 Mar 19. PubMed PMID: 29556028.

56: Sheybani L, Birot G, Contestabile A, Seeck M, Kiss JZ, Schaller K, Michel CM, Quairiaux C. Electrophysiological Evidence for the Development of a Self-Sustained Large-Scale Epileptic Network in the Kainate Mouse Model of Temporal Lobe Epilepsy. *J Neurosci.* 2018 Apr 11;38(15):3776-3791. doi: 10.1523/JNEUROSCI.2193-17.2018. Epub 2018 Mar 19. PubMed PMID: 29555850.

57: Gautschi OP, Stienen MN, Corniola MV, Molliqaj G, Tessitore E. Almost complete resolution of a lumbar disc herniation after lateral interbody fusion without posterior open decompression. *J Neurosurg Sci.* 2018 Apr;62(2):232-233. doi: 10.23736/S0390-5616.16.03852-2. PubMed PMID: 29540049.

58: Verhoeven T, Coito A, Plomp G, Thomschewski A, Pittau F, Trinka E, Wiest R, Schaller K, Michel C, Seeck M, Dambre J, Vulliemoz S, van Mierlo P. Automated diagnosis of temporal lobe epilepsy in the absence of interictal spikes. *Neuroimage Clin.* 2017 Sep 28;17:10-15. doi: 10.1016/j.nicl.2017.09.021. eCollection 2018. PubMed PMID: 29527470; PubMed Central PMCID: PMC5842753.

59: Woost L, Bazin PL, Taubert M, Trampel R, Tardif CL, Garthe A, Kempermann G, Renner U, Stalla G, Ott DVM, Rjosk V, Obrig H, Villringer A, Roggenhofer E, Klein TA. Physical Exercise and Spatial Training: A Longitudinal Study of Effects on Cognition, Growth Factors, and Hippocampal Plasticity. *Sci Rep.* 2018 Mar 9;8(1):4239. doi: 10.1038/s41598-018-19993-9. PubMed PMID: 29523857; PubMed Central PMCID: PMC5844866.

60: Wostrack M, Ringel F, Eicker SO, Jägersberg M, Schaller K, Kerschbaumer J, Thomé C, Shiban E, Stoffel M, Friedrich B, Kehl V, Vajkoczy P, Meyer B, Onken J. Spinal ependymoma in adults: a multicenter investigation of surgical outcome and progression-free survival. *J Neurosurg Spine.* 2018 Jun;28(6):654-662. doi: 10.3171/2017.9.SPINE17494. Epub 2018 Mar 9. PubMed PMID: 29521579.

61: Tuleasca C, Najdenovska E, Régis J, Witjas T, Girard N, Champoudry J, Faouzi M, Thiran JP, Cuadra MB, Levivier M, Van De Ville D. Ventrolateral Motor Thalamus Abnormal Connectivity in Essential Tremor Before and After Thalamotomy: A Resting-State Functional Magnetic Resonance Imaging Study. *World Neurosurg.* 2018 May;113:e453-e464. doi: 10.1016/j.wneu.2018.02.055. Epub 2018 Feb 21. PubMed PMID: 29475059.

62: Lagerstedt L, Egea-Guerrero JJ, Rodríguez-Rodríguez A, Bustamante A, Montaner J, El Rahal A, Anderegg E, Rinaldi L, Sarrafzadeh A, Schaller K, Sanchez JC. Early measurement of interleukin-10

- predicts the absence of CT scan lesions in mild traumatic brain injury. *PLoS One.* 2018 Feb 21;13(2):e0193278. doi: 10.1371/journal.pone.0193278. eCollection 2018. PubMed PMID: 29466474; PubMed Central PMCID: PMC5821397.
- 63: Brainin M, Feigin V, Martins S, Matz K, Roy J, Sandercock P, Teuschl Y, Tuomilehto J, Wiseman A. Cut stroke in half: Polypill for primary prevention in stroke. *Int J Stroke.* 2018 Aug;13(6):633-647. doi: 10.1177/1747493018761190. Epub 2018 Feb 20. PubMed PMID: 29461155.
- 64: Salomon R, Ronchi R, Dönz J, Bello-Ruiz J, Herbelin B, Faivre N, Schaller K, Blanke O. Insula mediates heartbeat related effects on visual consciousness. *Cortex.* 2018 Apr;101:87-95. doi: 10.1016/j.cortex.2018.01.005. Epub 2018 Jan 31. PubMed PMID: 29459283.
- 65: Lhommée E, Wojtecki L, Czernecki V, Witt K, Maier F, Tonder L, Timmermann L, Hälbig TD, Pineau F, Durif F, Witjas T, Pinsker M, Mehdorn M, Sixel-Döring F, Kupsch A, Krüger R, Elben S, Chabardès S, Thobois S, Brefel-Courbon C, Ory-Magne F, Regis JM, Maltête D, Sauvaget A, Rau J, Schnitzler A, Schüpbach M, Schade-Brittinger C, Deuschl G, Houeto JL, Krack P; EARLYSTIM study group. Behavioural outcomes of subthalamic stimulation and medical therapy versus medical therapy alone for Parkinson's disease with early motor complications (EARLYSTIM trial): secondary analysis of an open-label randomised trial. *Lancet Neurol.* 2018 Mar;17(3):223-231. doi: 10.1016/S1474-4422(18)30035-8. PubMed PMID: 29452685.
- 66: Jones EV, Bernardinelli Y, Zarruk JG, Chierzi S, Murai KK. SPARC and GluA1-Containing AMPA Receptors Promote Neuronal Health Following CNS Injury. *Front Cell Neurosci.* 2018 Feb 1;12:22. doi: 10.3389/fncel.2018.00022. eCollection 2018. PubMed PMID: 29449802; PubMed Central PMCID: PMC5799273.
- 67: Abbes M, Lhommée E, Thobois S, Klinger H, Schmitt E, Bichon A, Castrioto A, Xie J, Fraix V, Kistner A, Pélissier P, Seigneuret É, Chabardès S, Mertens P, Broussolle E, Moro E, Krack P. Subthalamic stimulation and neuropsychiatric symptoms in Parkinson's disease: results from a long-term follow-up cohort study. *J Neurol Neurosurg Psychiatry.* 2018 Aug;89(8):836-843. doi: 10.1136/jnnp-2017-316373. Epub 2018 Feb 7. PubMed PMID: 29436490.
- 68: 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; Swiss SOS Study Group. Factors associated with clinical and radiological status on admission in patients with aneurysmal subarachnoid hemorrhage. *Neurosurg Rev.* 2018 Oct;41(4):1059-1069. doi: 10.1007/s10143-018-0952-2. Epub 2018 Feb 10. PubMed PMID: 29428981.
- 69: Lai M, Vassallo I, Lanz B, Poitry-Yamate C, Hamou MF, Cudalbu C, Gruetter R, Hegi ME. In vivo characterization of brain metabolism by (1) H MRS, (13) C MRS and (18) FDG PET reveals significant glucose oxidation of invasively growing glioma cells. *Int J Cancer.* 2018 Jul 1;143(1):127-138. doi: 10.1002/ijc.31299. Epub 2018 Feb 21. PubMed PMID: 29417580.
- 70: Allert N, Cheean B, Deuschl G, Barbe MT, Csoti I, Ebke M, Glaser M, Kang JS, Kelm S, Krack P, Kroth J, Jobst U, Leisse M, Oliviero A, Nolte PN, Quick-Weller J, Strothjohann M, Tamás G, Werner M, Muthuraman M, Volkmann J, Fasano A, Groppa S. Postoperative rehabilitation after deep brain stimulation surgery for movement disorders. *Clin Neurophysiol.* 2018 Mar;129(3):592-601. doi: 10.1016/j.clinph.2017.12.035. Epub 2018 Jan 10. Review. PubMed PMID: 29414403.
- 71: Kulcsár Z, Machi P, Schaller K, Lovblad KO, Bijlenga P. Trans-venous embolization of a basal ganglia ruptured arteriovenous malformation with open surgical arterial control: A hybrid technique. *J*

Neuroradiol. 2018 May;45(3):202-205. doi: 10.1016/j.neurad.2017.12.021. Epub 2018 Feb 2. PubMed PMID: 29410371.

72: Tuleasca C, Régis J, Najdenovska E, Witjas T, Girard N, Champoudry J, Faouzi M, Thiran JP, Cuadra MB, Levivier M, Van De Ville D. Pretherapeutic Functional Imaging Allows Prediction of Head Tremor Arrest After Thalamotomy for Essential Tremor: The Role of Altered Interconnectivity Between Thalamolimbic and Supplementary Motor Circuits. *World Neurosurg.* 2018 Apr;112:e479-e488. doi: 10.1016/j.wneu.2018.01.063. Epub 2018 Feb 2. PubMed PMID: 29410136.

73: Delaunay T, Violland M, Boisgerault N, Dutoit S, Vignard V, Münz C, Gannage M, Dréno B, Vaivode K, Pjanova D, Labarrière N, Wang Y, Chiocca EA, Boeuf FL, Bell JC, Erbs P, Tangy F, Grégoire M, Fonteneau JF. Oncolytic viruses sensitize human tumor cells for NY-ESO-1 tumor antigen recognition by CD4+ effector T cells. *Oncoimmunology.* 2017 Dec 26;7(3):e1407897. doi: 10.1080/2162402X.2017.1407897. eCollection 2018. PubMed PMID: 29399408; PubMed Central PMCID: PMC5790392.

74: Bartoli A, Fasel JH, Schaller K, Jägersberg M. Endoscopic Transcranial Duraplasty for Rhinoliquorrhea: A Cadaveric Study. *Oper Neurosurg (Hagerstown).* 2018 Feb 1;14(2):188-193. doi: 10.1093/ons/opx084. PubMed PMID: 29351678.

75: 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; Swiss SOS study group . 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 Dec 1;83(6):1286-1293. doi: 10.1093/neuros/nyx609. PubMed PMID: 29351673.

76: Jaja BNR, Saposnik G, Lingsma HF, Macdonald E, Thorpe KE, Mamdani M, Steyerberg EW, Molyneux A, Manoel ALO, Schatlo B, Hanggi D, Hasan D, Wong GKC, Etminan N, Fukuda H, Turner J, Schaller KL, Suarez JL, Stienen MN, Vergouwen MDI, Rinkel GJE, Spears J, Cusimano MD, Todd M, Le Roux P, Kirkpatrick P, Pickard J, van den Bergh WM, Murray G, Johnston SC, Yamagata S, Mayer S, Schweizer TA, Macdonald RL; SAHIT collaboration. Development and validation of outcome prediction models for aneurysmal subarachnoid haemorrhage: the SAHIT multinational cohort study. *BMJ.* 2018 Jan 18;360:j5745. doi: 10.1136/bmj.j5745. Erratum in: *BMJ.* 2018 Sep 26;362:k4079. PubMed PMID: 29348138.

77: Martinez-Ramirez D, Jimenez-Shahed J, Leckman JF, Porta M, Servello D, Meng FG, Kuhn J, Huys D, Baldermann JC, Foltyne T, Hariz MI, Joyce EM, Zrinzo L, Kefalopoulou Z, Silburn P, Coyne T, Mogilner AY, Pourfar MH, Khandhar SM, Auyeung M, Ostrem JL, Visser-Vandewalle V, Welter ML, Mallet L, Karachi C, Houeto JL, Klassen BT, Ackermans L, Kaido T, Temel Y, Gross RE, Walker HC, Lozano AM, Walter BL, Mari Z, Anderson WS, Changizi BK, Moro E, Zauber SE, Schrock LE, Zhang JG, Hu W, Rizer K, Monari EH, Foote KD, Malaty IA, Deeb W, Gunduz A, Okun MS. Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome: The International Tourette Syndrome Deep Brain Stimulation Public Database and Registry. *JAMA Neurol.* 2018 Mar 1;75(3):353-359. doi: 10.1001/jamaneurol.2017.4317. PubMed PMID: 29340590; PubMed Central PMCID: PMC5885852.

78: Tuleasca C, Najdenovska E, Régis J, Witjas T, Girard N, Champoudry J, Faouzi M, Thiran JP, Cuadra MB, Levivier M, Van De Ville D. Clinical response to Vim's thalamic stereotactic radiosurgery for essential tremor is associated with distinctive functional connectivity patterns. *Acta Neurochir (Wien).* 2018 Mar;160(3):611-624. doi: 10.1007/s00701-017-3456-x. Epub 2018 Jan 15. PubMed PMID: 29335882.

- 79: Punchak M, Mukhopadhyay S, Sachdev S, Hung YC, Peeters S, Rattani A, Dewan M, Johnson WD, Park KB. Neurosurgical Care: Availability and Access in Low-Income and Middle-Income Countries. *World Neurosurg.* 2018 Apr;112:e240-e254. doi: 10.1016/j.wneu.2018.01.029. Epub 2018 Jan 8. PubMed PMID: 29325943.
- 80: Fontolliet T, Gianella P, Pichot V, Barthélémy JC, Gasche-Soccal P, Ferretti G, Lador F. Heart rate variability and baroreflex sensitivity in bilateral lung transplant recipients. *Clin Physiol Funct Imaging.* 2018 Sep;38(5):872-880. doi: 10.1111/cpf.12499. Epub 2018 Jan 9. PubMed PMID: 29316181.
- 81: Tuleasca C, Najdenovska E, Régis J, Witjas T, Girard N, Champoudry J, Faouzi M, Thiran JP, Bach Cuadra M, Levivier M, Van De Ville D. Pretherapeutic functional neuroimaging predicts tremor arrest after thalamotomy. *Acta Neurol Scand.* 2018 May;137(5):500-508. doi: 10.1111/ane.12891. Epub 2018 Jan 7. PubMed PMID: 29315459.
- 82: Dutoit V, Migliorini D, Ranzanici G, Marinari E, Widmer V, Lobrinus JA, Momjian S, Costello J, Walker PR, Okada H, Weinschenk T, Herold-Mende C, Dietrich PY. Antigenic expression and spontaneous immune responses support the use of a selected peptide set from the IMA950 glioblastoma vaccine for immunotherapy of grade II and III glioma. *Oncoimmunology.* 2017 Nov 7;7(2):e1391972. doi: 10.1080/2162402X.2017.1391972. eCollection 2018. PubMed PMID: 29308320; PubMed Central PMCID: PMC5749651.
- 83: Libre Rodriguez JJ, Prina AM, Acosta D, Guerra M, Huang Y, Jacob KS, Jimenez-Velasquez IZ, Salas A, Sosa AL, Williams JD, Jotheeswaran AT, Acosta I, Liu Z, Prince MJ. The Prevalence and Correlates of Frailty in Urban and Rural Populations in Latin America, China, and India: A 10/66 Population-Based Survey. *J Am Med Dir Assoc.* 2018 Apr;19(4):287-295.e4. doi: 10.1016/j.jamda.2017.09.026. Epub 2018 Jan 3. PubMed PMID: 29306607.
- 84: Guatta R, Scolozzi P. Bone Recontouring by Guided Surgical Navigation Integrating "Mirroring" Computational Planning in the Management of Severe Fronto-orbital Asymmetry in Fibrous Dysplasia. *J Neurol Surg A Cent Eur Neurosurg.* 2018 Mar;79(2):181-185. doi: 10.1055/s-0037-1615286. Epub 2018 Jan 2. PubMed PMID: 29294508.
- 85: Bouthour W, Wegrzyk J, Momjian S, Péron J, Fleury V, Tomkova Chaoui E, Horvath J, Boëx C, Lüscher C, Burkhardt PR, Krack P, Zacharia A. Short pulse width in subthalamic stimulation in Parkinson's disease: a randomized, double-blind study. *Mov Disord.* 2018 Jan;33(1):169-173. doi: 10.1002/mds.27265. Epub 2017 Dec 21. PubMed PMID: 29266392.
- 86: Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schöni D, Valsecchi D, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Zumofen DW; Swiss SOS Study Group. Predictors of Occurrence and Anatomic Distribution of Multiple Aneurysms in Patients with Aneurysmal Subarachnoid Hemorrhage. *World Neurosurg.* 2018 Mar;111:e199-e205. doi: 10.1016/j.wneu.2017.12.046. Epub 2017 Dec 16. PubMed PMID: 29258940.
- 87: Stienen MN, Joswig H, Chau I, Neidert MC, Bellut D, Wälchli T, Schaller K, Gautschi OP. Efficacy of intraoperative epidural triamcinolone application in lumbar microdiscectomy: a matched-control study. *J Neurosurg Spine.* 2018 Mar;28(3):291-299. doi: 10.3171/2017.6.SPINE161372. Epub 2017 Dec 15. PubMed PMID: 29243999.
- 88: Cossu G, Lebon S, Seeck M, Pralong E, Messerer M, Roulet-Perez E, Daniel RT. Periinsular anterior quadrantotomy: technical note. *J Neurosurg Pediatr.* 2018 Feb;21(2):124-132. doi: 10.3171/2017.8.PEDS17339. Epub 2017 Dec 8. PubMed PMID: 29219786.

- 89: Maldaner N, Burkhardt JK, Stienen MN, Goldberg J, Bervini D, Bijlenga P, Croci D, Zumofen D, D'Alonzo D, Marbacher S, Maduri R, Daniel RT, Serra C, Esposito G, Neidert MC, Bozinov O, Regli L. Decision-making and neurosurgeons' agreement in the management of aneurysmal subarachnoid haemorrhage based on computed tomography angiography. *Acta Neurochir (Wien)*. 2018 Feb;160(2):253-260. doi: 10.1007/s00701-017-3415-6. Epub 2017 Dec 7. PubMed PMID: 29214402.
- 90: Machi P, Ouared R, Brina O, Bouillot P, Yilmaz H, Vargas MI, Gondar R, Bijlenga P, Lovblad KO, Kulcsár Z. Hemodynamics of Focal Versus Global Growth of Small Cerebral Aneurysms. *Clin Neuroradiol*. 2017 Dec 5. doi: 10.1007/s00062-017-0640-6. [Epub ahead of print] PubMed PMID: 29209882.
- 91: Nguyen TAK, Cavuscens S, Ranieri M, Schwarz K, Guinand N, van de Berg R, van den Boogert T, Lucieer F, van Hoof M, Guyot JP, Kingma H, Micera S, Perez Fornos A. Characterization of Cochlear, Vestibular and Cochlear-Vestibular Electrically Evoked Compound Action Potentials in Patients with a Vestibulo-Cochlear Implant. *Front Neurosci*. 2017 Nov 21;11:645. doi: 10.3389/fnins.2017.00645. eCollection 2017. PubMed PMID: 29209162; PubMed Central PMCID: PMC5702472.
- 92: Huggins JE, Guger C, Ziat M, Zander TO, Taylor D, Tangermann M, Soria-Frisch A, Simmerl J, Scherer R, Rupp R, Ruffini G, Robinson DKR, Ramsey NF, Nijholt A, Müller-Putz G, McFarland DJ, Mattia D, Lance BJ, Kindermans PJ, Iturrate I, Herff C, Gupta D, Do AH, Collinger JL, Chavarriaga R, Chase SM, Bleichner MG, Batista A, Anderson CW, Aarnoutse Ej. Workshops of the Sixth International Brain-Computer Interface Meeting: brain-computer interfaces past, present, and future. *Brain Comput Interfaces* (Abingdon). 2017;4(1-2):3-36. doi: 10.1080/2326263X.2016.1275488. Epub 2017 Jan 30. PubMed PMID: 29152523; PubMed Central PMCID: PMC5693371.
- 93: Castríoto A, Carnicella S, Fraix V, Chabardes S, Moro E, Krack P. Reversing dopaminergic sensitization. *Mov Disord*. 2017 Dec;32(12):1679-1683. doi: 10.1002/mds.27213. Epub 2017 Nov 18. Review. PubMed PMID: 29150871.
- 94: Tuleasca C, Witjas T, Van de Ville D, Najdenovska E, Verger A, Girard N, Champoudry J, Thiran JP, Cuadra MB, Levivier M, Guedj E, Régis J. Right Brodmann area 18 predicts tremor arrest after Vim radiosurgery: a voxel-based morphometry study. *Acta Neurochir (Wien)*. 2018 Mar;160(3):603-609. doi: 10.1007/s00701-017-3391-x. Epub 2017 Nov 11. PubMed PMID: 29128955.
- 95: Perin A, Prada FU, Moraldo M, Schiappacasse A, Galbiati TF, Gambatesa E, d'Orio P, Riker NI, Basso C, Santoro M, Meling TR, Schaller K, DiMeco F. USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. *Oper Neurosurg (Hagerstown)*. 2018 May 1;14(5):572-578. doi: 10.1093/ons/oxp144. PubMed PMID: 29106668.
- 96: Ellenberger C, Garofano N, Barcelos G, Diaper J, Pavlovic G, Licker M. Assessment of Haemostasis in patients undergoing emergent neurosurgery by rotational Elastometry and standard coagulation tests: a prospective observational study. *BMC Anesthesiol*. 2017 Oct 24;17(1):146. doi: 10.1186/s12871-017-0440-1. PubMed PMID: 29065860; PubMed Central PMCID: PMC5655946.
- 97: Staljanssens W, Strobbe G, Van Holen R, Keereman V, Gadeyne S, Carrette E, Meurs A, Pittau F, Momjian S, Seeck M, Boon P, Vandenberghe S, Vulliemoz S, Vonck K, van Mierlo P. EEG source connectivity to localize the seizure onset zone in patients with drug resistant epilepsy. *Neuroimage Clin*. 2017 Sep 14;16:689-698. doi: 10.1016/j.nicl.2017.09.011. eCollection 2017. PubMed PMID: 29034162; PubMed Central PMCID: PMC5633847.
- 98: Hampel H, Mesulam MM, Cuello AC, Khachaturian AS, Farlow MR, Snyder PJ, Giacobini E,

Khachaturian ZS; Cholinergic System Working Group. WITHDRAWN: Revisiting the cholinergic hypothesis in Alzheimer's disease: Emerging evidence from translational and clinical research. *Alzheimers Dement.* 2017 Oct 10. pii: S1552-5260(17)33719-6. doi: 10.1016/j.jalz.2017.08.016. [Epub ahead of print] PubMed PMID: 29028480.

99: Mackay A, Burford A, Carvalho D, Izquierdo E, Fazal-Salom J, Taylor KR, Bjerke L, Clarke M, Vinci M, Nandhabalan M, Temelso S, Popov S, Molinari V, Raman P, Waanders AJ, Han HJ, Gupta S, Marshall L, Zacharoulis S, Vaidya S, Mandeville HC, Bridges LR, Martin AJ, Al-Sarraj S, Chandler C, Ng HK, Li X, Mu K, Trabelsi S, Brahim DH, Kislyakov AN, Konovalov DM, Moore AS, Carcaboso AM, Sunol M, de Torres C, Cruz O, Mora J, Shats LI, Stavale JN, Bidinotto LT, Reis RM, Entz-Werle N, Farrell M, Cryan J, Crimmins D, Caird J, Pears J, Monje M, Debily MA, Castel D, Grill J, Hawkins C, Nikbakht H, Jabado N, Baker SJ, Pfister SM, Jones DTW, Fouladi M, von Bueren AO, Baudis M, Resnick A, Jones C. Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. *Cancer Cell.* 2017 Oct 9;32(4):520-537.e5. doi: 10.1016/j.ccr.2017.08.017. Epub 2017 Sep 28. PubMed PMID: 28966033; PubMed Central PMCID: PMC5637314.

100: Tuleasca C, Witjas T, Najdenovska E, Verger A, Girard N, Champoudry J, Thiran JP, Van de Ville D, Cuadra MB, Levivier M, Guedj E, Régis J. Assessing the clinical outcome of Vim radiosurgery with voxel-based morphometry: visual areas are linked with tremor arrest! *Acta Neurochir (Wien).* 2017 Nov;159(11):2139-2144. doi: 10.1007/s00701-017-3317-7. Epub 2017 Sep 23. PubMed PMID: 28942466.

101: Hartveit E, Zandt BJ, Madsen E, Castilho Á, Mørkve SH, Veruki ML. AMPA receptors at ribbon synapses in the mammalian retina: kinetic models and molecular identity. *Brain Struct Funct.* 2018 Mar;223(2):769-804. doi: 10.1007/s00429-017-1520-1. Epub 2017 Sep 21. PubMed PMID: 28936725.

102: Scolozzi P, Bijlenga P. Removal of recurrent intraorbital tumour using a system of augmented reality. *Br J Oral Maxillofac Surg.* 2017 Nov;55(9):962-964. doi: 10.1016/j.bjoms.2017.08.360. Epub 2017 Sep 13. PubMed PMID: 28918184.

103: Noubiap JJ, Mengnjo MK, Nicastro N, Kamtchum-Tatuene J. Neurologic complications of sickle cell disease in Africa: A systematic review and meta-analysis. *Neurology.* 2017 Oct 3;89(14):1516-1524. doi: 10.1212/WNL.000000000004537. Epub 2017 Sep 1. Review. PubMed PMID: 28864674; PubMed Central PMCID: PMC5631172.

104: Schmid AC, Schwarz A, Gustin SM, Greenspan JD, Hummel FC, Birbaumer N. Pain reduction due to novel sensory-motor training in Complex Regional Pain Syndrome I - A pilot study. *Scand J Pain.* 2017 Apr;15:30-37. doi: 10.1016/j.sjpain.2016.11.003. Epub 2016 Dec 9. PubMed PMID: 28850342.

105: Soleman J, Roth J, Bartoli A, Rosenthal D, Korn A, Constantini S. Syringo-Subarachnoid Shunt for the Treatment of Persistent Syringomyelia Following Decompression for Chiari Type I Malformation: Surgical Results. *World Neurosurg.* 2017 Dec;108:836-843. doi: 10.1016/j.wneu.2017.08.002. Epub 2017 Aug 12. PubMed PMID: 28807779.

106: van den Bent MJ, Baumert B, Erridge SC, Vogelbaum MA, Nowak AK, Sanson M, Brandes AA, Clement PM, Baurain JF, Mason WP, Wheeler H, Chinot OL, Gill S, Griffin M, Brachman DG, Taal W, Rudà R, Weller M, McBain C, Reijneveld J, Enting RH, Weber DC, Lesimple T, Clenton S, Gijtenbeek A, Pascoe S, Herrlinger U, Hau P, Dhermain F, van Heuvel I, Stupp R, Aldape K, Jenkins RB, Dubbink HJ, Dinjens WNM, Wesseling P, Nuyens S, Golfinopoulos V, Gorlia T, Wick W, Kros JM. Interim results from the CATNON trial (EORTC study 26053-22054) of treatment with concurrent and adjuvant temozolomide for 1p/19q non-co-deleted anaplastic glioma: a phase 3, randomised, open-label intergroup study. *Lancet.* 2017 Oct 7;390(10103):1645-1653. doi: 10.1016/S0140-6736(17)31442-3.

Epub 2017 Aug 8. Erratum in: Lancet. 2017 Oct 7;390(10103):1644. PubMed PMID: 28801186; PubMed Central PMCID: PMC5806535.

107: Bartoli A, El Hassani Y, Jenny B, Momjian S, Korff CM, Seeck M, Vulliemoz S, Schaller K. What to do in failed hemispherotomy? Our clinical series and review of the literature. *Neurosurg Rev.* 2018 Jan;41(1):125-132. doi: 10.1007/s10143-017-0888-y. Epub 2017 Aug 10. Review. PubMed PMID: 28799142.

108: Carpentier N, Cecchin T, Koessler L, Louis-Dorr V, Jonas J, Vignal JP, Carpentier M, Szurhaj W, Bourgin P, Maillard L. Stereo-electroencephalography identifies N2 sleep and spindles in human hippocampus. *Clin Neurophysiol.* 2017 Sep;128(9):1696-1706. doi: 10.1016/j.clinph.2017.06.248. Epub 2017 Jul 8. PubMed PMID: 28755545.

109: Centeno M, Tierney TM, Perani S, Shamshiri EA, St Pier K, Wilkinson C, Konn D, Vulliemoz S, Grouiller F, Lemieux L, Pressler RM, Clark CA, Cross JH, Carmichael DW. Combined electroencephalography-functional magnetic resonance imaging and electrical source imaging improves localization of pediatric focal epilepsy. *Ann Neurol.* 2017 Aug;82(2):278-287. doi: 10.1002/ana.25003. Epub 2017 Aug 9. PubMed PMID: 28749544.

110: Delaidelli A, Moiraghi A. Respiration: A New Mechanism for CSF Circulation? *J Neurosci.* 2017 Jul 26;37(30):7076-7078. doi: 10.1523/JNEUROSCI.1155-17.2017. PubMed PMID: 28747391.

111: Bijlenga P, Gondar R, Schilling S, Morel S, Hirsch S, Cuony J, Corniola MV, Perren F, Rüfenacht D, Schaller K. PHASES Score for the Management of Intracranial Aneurysm: A Cross-Sectional Population-Based Retrospective Study. *Stroke.* 2017 Aug;48(8):2105-2112. doi: 10.1161/STROKEAHA.117.017391. Epub 2017 Jun 30. PubMed PMID: 28667020.

112: Welter ML, Houeto JL, Thobois S, Bataille B, Guenot M, Worbe Y, Hartmann A, Czernecki V, Bardinet E, Yelnik J, du Montcel ST, Agid Y, Vidailhet M, Cornu P, Tanguy A, Ansquer S, Jaafari N, Poulet E, Serra G, Burbaud P, Cuny E, Aouizerate B, Pollak P, Chabardes S, Polosan M, Borg M, Fontaine D, Giordana B, Raoul S, Rouaud T, Sauvaget A, Jalenques I, Karachi C, Mallet L; STIC study group. Anterior pallidal deep brain stimulation for Tourette's syndrome: a randomised, double-blind, controlled trial. *Lancet Neurol.* 2017 Aug;16(8):610-619. doi: 10.1016/S1474-4422(17)30160-6. Epub 2017 Jun 20. PubMed PMID: 28645853.

113: Lhommée E, Boyer F, Wack M, Pélissier P, Klinger H, Schmitt E, Bichon A, Fraix V, Chabardès S, Mertens P, Castrioto A, Kistner A, Broussolle E, Thobois S, Krack P. Personality, dopamine, and Parkinson's disease: Insights from subthalamic stimulation. *Mov Disord.* 2017 Aug;32(8):1191-1200. doi: 10.1002/mds.27065. Epub 2017 Jun 23. PubMed PMID: 28643887.

114: Gembruch O, Dammann P, Schoemberg T, Ahmadipour Y, Payer M, Sure U, Tessitore E, Özkan N. Ventral C1 Fracture Combined with Congenital Posterior Cleft: What to Do? *J Neurol Surg A Cent Eur Neurosurg.* 2018 Jan;79(1):66-72. doi: 10.1055/s-0037-1603636. Epub 2017 Jun 22. PubMed PMID: 28641334.

115: Bally JF, Vargas MI, Horvath J, Fleury V, Burkhard P, Momjian S, Pollak P, Boex C. Localization of Deep Brain Stimulation Contacts Using Corticospinal/Corticobulbar Tracts Stimulation. *Front Neurol.* 2017 May 31;8:239. doi: 10.3389/fneur.2017.00239. eCollection 2017. PubMed PMID: 28620349; PubMed Central PMCID: PMC5450375.

116: Obeso JA, Martinez-Fernandez R, Del Álamo M, Krack P. To lesion or not to lesion: That was the question (Reply to "stereotactic ablative surgery does not just mean 'adding another lesion'"). *Mov Disord.* 2017 Jul;32(7):1113-1114. doi: 10.1002/mds.27066. Epub 2017 Jun 14. PubMed PMID:

28612948.

117: Allali G, Laidet M, Armand S, Momjian S, Marques B, Saj A, Assal F. A combined cognitive and gait quantification to identify normal pressure hydrocephalus from its mimics: The Geneva's protocol. *Clin Neurol Neurosurg.* 2017 Sep;160:5-11. doi: 10.1016/j.clineuro.2017.06.001. Epub 2017 Jun 6. PubMed PMID: 28605723.

118: Kovacs GG, Xie SX, Lee EB, Robinson JL, Caswell C, Irwin DJ, Toledo JB, Johnson VE, Smith DH, Alafuzoff I, Attems J, Bencze J, Bieniek KF, Bigio EH, Bodi I, Budka H, Dickson DW, Dugger BN, Duyckaerts C, Ferrer I, Forrest SL, Gelpi E, Gentleman SM, Giaccone G, Grinberg LT, Halliday GM, Hatanpaa KJ, Hof PR, Hofer M, Hortobágyi T, Ironside JW, King A, Kofler J, Kövari E, Kril JJ, Love S, Mackenzie IR, Mao Q, Matej R, McLean C, Munoz DG, Murray ME, Neltner J, Nelson PT, Ritchie D, Rodriguez RD, Rohan Z, Rozemuller A, Sakai K, Schultz C, Seilhean D, Smith V, Tacik P, Takahashi H, Takao M, Rudolf Thal D, Weis S, Wharton SB, White CL 3rd, Woulfe JM, Yamada M, Trojanowski JQ. Multisite Assessment of Aging-Related Tau Astrogliopathy (ARTAG). *J Neuropathol Exp Neurol.* 2017 Jul 1;76(7):605-619. doi: 10.1093/jnen/nlx041. PubMed PMID: 28591867; PubMed Central PMCID: PMC6251511.

119: Park HD, Bernasconi F, Salomon R, Tallon-Baudry C, Spinelli L, Seeck M, Schaller K, Blanke O. Neural Sources and Underlying Mechanisms of Neural Responses to Heartbeats, and their Role in Bodily Self-consciousness: An Intracranial EEG Study. *Cereb Cortex.* 2018 Jul 1;28(7):2351-2364. doi: 10.1093/cercor/bhx136. PubMed PMID: 28591822.

120: Vargas MI, Boto J, Dammann P, Lovblad KO. High-Resolution Hybrid Imaging Could Improve Cordotomy Lesions and Outcomes. *AJNR Am J Neuroradiol.* 2017 Oct;38(10):E78. doi: 10.3174/ajnr.A5269. Epub 2017 Jun 1. PubMed PMID: 28572148.

121: Schaller K, Steiger HJ. To treat, or not to treat, that is the question: Critical review of brain AVM surgery, surgical results and natural history in 2017 by Michael Morgan et al. *Acta Neurochir (Wien).* 2017 Aug;159(8):1455-1456. doi: 10.1007/s00701-017-3221-1. Epub 2017 May 19. PubMed PMID: 28526901.

122: Boehlen F, Burkhard PR, Momjian S, Fontana P. Subthalamic nucleus deep brain stimulation for Parkinson's disease in a patient with severe haemophilia A. *Haemophilia.* 2017 May;23(3):e246-e248. doi: 10.1111/hae.13235. PubMed PMID: 28520203.

123: Jägersberg M, El Rahal A, Dammann P, Merkler D, Weber DC, Schaller K. Clival chordoma: a single-centre outcome analysis. *Acta Neurochir (Wien).* 2017 Oct;159(10):1815-1823. doi: 10.1007/s00701-017-3163-7. Epub 2017 May 7. PubMed PMID: 28478512.

124: Molliqaj G, Schatlo B, Alaid A, Solomiichuk V, Rohde V, Schaller K, Tessitore E. Accuracy of robot-guided versus freehand fluoroscopy-assisted pedicle screw insertion in thoracolumbar spinal surgery. *Neurosurg Focus.* 2017 May;42(5):E14. doi: 10.3171/2017.3.FOCUS179. PubMed PMID: 28463623.

125: Solomiichuk V, Fleischhammer J, Molliqaj G, Warda J, Alaid A, von Eckardstein K, Schaller K, Tessitore E, Rohde V, Schatlo B. Robotic versus fluoroscopy-guided pedicle screw insertion for metastatic spinal disease: a matched-cohort comparison. *Neurosurg Focus.* 2017 May;42(5):E13. doi: 10.3171/2017.3.FOCUS1710. PubMed PMID: 28463620.

126: Wang MY, Goto T, Tessitore E, Veeravagu A. Introduction. Robotics in neurosurgery. *Neurosurg Focus.* 2017 May;42(5):E1. doi: 10.3171/2017.2.FOCUS1783. Review. PubMed PMID: 28463607.

127: Maldaner N, Stienen MN, Bijlenga P, Croci D, Zumofen DW, Dalonzo D, Marbacher S, Maduri R,

Daniel RT, Serra C, Esposito G, Neidert MC, Bozinov O, Regli L, Burkhardt JK. Interrater Agreement in the Radiologic Characterization of Ruptured Intracranial Aneurysms Based on Computed Tomography Angiography. *World Neurosurg.* 2017 Jul;103:876-882.e1. doi: 10.1016/j.wneu.2017.04.131. Epub 2017 Apr 28. PubMed PMID: 28461281.

128: Schonauer C, Stienen MN, Gautschi OP, Schaller K, Tessitore E. Endoscope-Assisted Extreme-Lateral Interbody Fusion: Preliminary Experience and Technical Note. *World Neurosurg.* 2017 Jul;103:869-875.e3. doi: 10.1016/j.wneu.2017.04.110. Epub 2017 Apr 26. PubMed PMID: 28456736.

129: Chambon V, Domenech P, Jacquet PO, Barbalat G, Bouton S, Pacherie E, Koechlin E, Farrer C. Neural coding of prior expectations in hierarchical intention inference. *Sci Rep.* 2017 Apr 28;7(1):1278. doi: 10.1038/s41598-017-01414-y. PubMed PMID: 28455527; PubMed Central PMCID: PMC5430911.

130: van de Berg R, Lucieer F, Guinand N, van Tongeren J, George E, Guyot JP, Kingma H, van Hoof M, Temel Y, van Overbeeke J, Perez-Fornos A, Stokroos R. The Vestibular Implant: Hearing Preservation during Intralabyrinthine Electrode Insertion-A Case Report. *Front Neurol.* 2017 Apr 10;8:137. doi: 10.3389/fneur.2017.00137. eCollection 2017. PubMed PMID: 28443060; PubMed Central PMCID: PMC5385458.

131: Cote DJ, Balak N, Brennum J, Holsgrove DT, Kitchen N, Kolenda H, Moojen WA, Schaller K, Robe PA, Mathiesen T, Broekman ML. Ethical difficulties in the innovative surgical treatment of patients with Glioblastoma recurrence multiforme. *J Neurosurg.* 2017 Jun;126(6):2045-2050. doi: 10.3171/2016.11.JNS162488. Epub 2017 Apr 21. PubMed PMID: 28430037.

132: Lagerstedt L, Egea-Guerrero JJ, Bustamante A, Montaner J, Rodríguez-Rodríguez A, El Rahal A, Turck N, Quintana M, García-Armengol R, Prica CM, Anderegg E, Rinaldi L, Sarrafzadeh A, Schaller K, Sanchez JC. H-FABP: A new biomarker to differentiate between CT-positive and CT-negative patients with mild traumatic brain injury. *PLoS One.* 2017 Apr 18;12(4):e0175572. doi: 10.1371/journal.pone.0175572. eCollection 2017. PubMed PMID: 28419114; PubMed Central PMCID: PMC5395174.

133: Flores Alves Dos Santos J, Tezenas du Montcel S, Gargiulo M, Behar C, Montel S, Hergueta T, Navarro S, Belaid H, Cloitre P, Karachi C, Mallet L, Welter ML. Tackling psychosocial maladjustment in Parkinson's disease patients following subthalamic deep-brain stimulation: A randomised clinical trial. *PLoS One.* 2017 Apr 11;12(4):e0174512. doi: 10.1371/journal.pone.0174512. eCollection 2017. PubMed PMID: 28399152; PubMed Central PMCID: PMC5388322.

134: Nemtsas P, Birot G, Pittau F, Michel CM, Schaller K, Vulliemoz S, Kimiskidis VK, Seeck M. Source localization of ictal epileptic activity based on high-density scalp EEG data. *Epilepsia.* 2017 Jun;58(6):1027-1036. doi: 10.1111/epi.13749. Epub 2017 Apr 11. PubMed PMID: 28398008.

135: Chen B, Göricker S, Wrede K, Jabbarli R, Wälchli T, Jägersberg M, Sure U, Dammann P. Reliable? The Value of Early Postoperative Magnetic Resonance Imaging after Cerebral Cavernous Malformation Surgery. *World Neurosurg.* 2017 Jul;103:138-144. doi: 10.1016/j.wneu.2017.03.135. Epub 2017 Apr 5. PubMed PMID: 28391022.

136: Stienen MN, Smoll NR, Joswig H, Corniola MV, Schaller K, Hildebrandt G, Gautschi OP. Validation of the baseline severity stratification of objective functional impairment in lumbar degenerative disc disease. *J Neurosurg Spine.* 2017 May;26(5):598-604. doi: 10.3171/2016.11.SPINE16683. Epub 2017 Mar 3. PubMed PMID: 28291406.

137: Joswig H, Jucker D, Lavallee A, Sprenger L, Gautschi OP, Hildebrandt G, Schaller K, Stienen MN.

Shunts: Is Surgical Education Safe? *World Neurosurg.* 2017 Jun;102:117-122. doi: 10.1016/j.wneu.2017.02.128. Epub 2017 Mar 9. PubMed PMID: 28286273.

138: Pittau F, Ferri L, Fahoum F, Dubeau F, Gotman J. Contributions of EEG-fMRI to Assessing the Epileptogenicity of Focal Cortical Dysplasia. *Front Comput Neurosci.* 2017 Feb 20;11:8. doi: 10.3389/fncom.2017.00008. eCollection 2017. PubMed PMID: 28265244; PubMed Central PMCID: PMC5316536.

139: Jägersberg M, Brodard J, Qiu J, Mansouri A, Doglietto F, Gentili F, Kucharczyk W, Fasel J, Schaller K, Radovanovic I. Quantification of Working Volumes, Exposure, and Target-Specific Maneuverability of the Pterional Craniotomy and Its Minimally Invasive Variants. *World Neurosurg.* 2017 May;101:710-717.e2. doi: 10.1016/j.wneu.2017.02.011. Epub 2017 Feb 22. PubMed PMID: 28254536.

140: Bouillot P, Delattre BMA, Brina O, Ouared R, Farhat M, Chnafa C, Steinman DA, Lovblad KO, Pereira VM, Vargas MI. 3D phase contrast MRI: Partial volume correction for robust blood flow quantification in small intracranial vessels. *Magn Reson Med.* 2018 Jan;79(1):129-140. doi: 10.1002/mrm.26637. Epub 2017 Feb 28. PubMed PMID: 28244132.

141: Lascano AM, Lalive PH, Hardmeier M, Fuhr P, Seeck M. Clinical evoked potentials in neurology: a review of techniques and indications. *J Neurol Neurosurg Psychiatry.* 2017 Aug;88(8):688-696. doi: 10.1136/jnnp-2016-314791. Epub 2017 Feb 24. Review. PubMed PMID: 28235778.

142: Ridley B, Wirsich J, Bettus G, Rodionov R, Murta T, Chaudhary U, Carmichael D, Thornton R, Vulliemoz S, McEvoy A, Wendling F, Bartolomei F, Ranjeva JP, Lemieux L, Guye M. Simultaneous Intracranial EEG-fMRI Shows Inter-Modality Correlation in Time-Resolved Connectivity Within Normal Areas but Not Within Epileptic Regions. *Brain Topogr.* 2017 Sep;30(5):639-655. doi: 10.1007/s10548-017-0551-5. Epub 2017 Feb 13. PubMed PMID: 28194612.

143: Groppe DM, Bickel S, Dykstra AR, Wang X, Mégevand P, Mercier MR, Lado FA, Mehta AD, Honey CJ. iELVis: An open source MATLAB toolbox for localizing and visualizing human intracranial electrode data. *J Neurosci Methods.* 2017 Apr 1;281:40-48. doi: 10.1016/j.jneumeth.2017.01.022. Epub 2017 Feb 10. PubMed PMID: 28192130.

144: Tadler M, Rüegg E, Niquille M, Gencer B, Gautschi OP, Pittet-Cuénod B, Modarressi A. Multi-organ injuries due to a lightning strike: a case report highlighting the importance of a multi-disciplinary approach. *Case Reports Plast Surg Hand Surg.* 2017 Jan 6;4(1):1-4. doi: 10.1080/23320885.2016.1275646. eCollection 2017. PubMed PMID: 28164145; PubMed Central PMCID: PMC5253516.

145: Chen MH, Chen JY. A Novel Nonpedicular Screw-Based Fixation in Lumbar Spondylolisthesis. *Biomed Res Int.* 2017;2017:5619350. doi: 10.1155/2017/5619350. Epub 2017 Jan 10. PubMed PMID: 28164125; PubMed Central PMCID: PMC5259603.

146: Burkhardt JK, Neidert MC, Stienen MN, Schöni D, Fung C, Roethlisberger M, Corniola MV, Bervini D, Maduri R, Valsecchi D, Tok S, Schatlo B, Bijlenga P, Schaller K, Bozinov O, Regli L; Swiss SOS study group. Computed tomography angiography spot sign predicts intraprocedural aneurysm rupture in subarachnoid hemorrhage. *Acta Neurochir (Wien).* 2017 Jul;159(7):1305-1312. doi: 10.1007/s00701-016-3072-1. Epub 2017 Jan 27. PubMed PMID: 28127657.

147: Krack P, Martinez-Fernandez R, Del Alamo M, Obeso JA. Current applications and limitations of surgical treatments for movement disorders. *Mov Disord.* 2017 Jan;32(1):36-52. doi: 10.1002/mds.26890. Review. PubMed PMID: 28124435.

- 148: Péron J, Renaud O, Haegelen C, Tamarit L, Milesi V, Houvenaghel JF, Dondaine T, Vérin M, Sauleau P, Grandjean D. Vocal emotion decoding in the subthalamic nucleus: An intracranial ERP study in Parkinson's disease. *Brain Lang.* 2017 May;168:1-11. doi: 10.1016/j.bandl.2016.12.003. Epub 2017 Jan 12. PubMed PMID: 28088666.
- 149: Vogt VL, Äikiä M, Del Barrio A, Boon P, Borbély C, Bran E, Braun K, Carette E, Clark M, Cross JH, Dimova P, Fabo D, Foroglou N, Francione S, Gersamia A, Gil-Nagel A, Guekht A, Harrison S, Hecimovic H, Heminghyt E, Hirsch E, Javurkova A, Kälviäinen R, Kavan N, Kelemen A, Kimiskidis VK, Kirschner M, Kleitz C, Kobulashvili T, Kosmidis MH, Kurtish SY, Lesourd M, Ljunggren S, Lossius MI, Malmgren K, Mameniskiené R, Martin-Sanfilippo P, Marusic P, Miatton M, Özkarla Ç, Pelle F, Rubboli G, Rudebeck S, Ryvlin P, van Schooneveld M, Schmid E, Schmidt PM, Seeck M, Steinhoff BJ, Shavel-Jessop S, Tarta-Arsene O, Trinka E, Viggedal G, Wendling AS, Witt JA, Helmstaedter C; E-PILEPSY consortium. Current standards of neuropsychological assessment in epilepsy surgery centers across Europe. *Epilepsia.* 2017 Mar;58(3):343-355. doi: 10.1111/epi.13646. Epub 2017 Jan 9. PubMed PMID: 28067423.
- 150: Studerus-Germann AM, Engel DC, Stienen MN, von Ow D, Hildebrandt G, Gautschi OP. Three versus seven days to return-to-work after mild traumatic brain injury: a randomized parallel-group trial with neuropsychological assessment. *Int J Neurosci.* 2017 Oct;127(10):900-908. doi: 10.1080/00207454.2017.1278589. Epub 2017 Feb 2. PubMed PMID: 28042930.
- 151: Andrade-Barazarte H, Jägersberg M, Belkhair S, Tymianski R, Turel MK, Schaller K, Hernesniemi JA, Tymianski M, Radovanovic I. The Extended Lateral Supraorbital Approach and Extradural Anterior Clinoidectomy Through a Frontoptero-Orbital Window: Technical Note and Pilot Surgical Series. *World Neurosurg.* 2017 Apr;100:159-166. doi: 10.1016/j.wneu.2016.12.087. Epub 2016 Dec 29. PubMed PMID: 28042017.
- 152: Beckmann S, Nikolic N, Denhaerynck K, Binet I, Koller M, Boely E, De Geest S; Psychosocial Interest Group, Swiss Transplant Cohort Study. Evolution of body weight parameters up to 3 years after solid organ transplantation: The prospective Swiss Transplant Cohort Study. *Clin Transplant.* 2017 Mar;31(3). doi: 10.1111/ctr.12896. Epub 2017 Jan 24. PubMed PMID: 28008650.
- 153: Stienen MN, Smoll NR, Joswig H, Snagowski J, Corniola MV, Schaller K, Hildebrandt G, Gautschi OP. Influence of the mental health status on a new measure of objective functional impairment in lumbar degenerative disc disease. *Spine J.* 2017 Jun;17(6):807-813. doi: 10.1016/j.spinee.2016.12.004. Epub 2016 Dec 14. PubMed PMID: 27988343.
- 154: Rashid A, Gorissen KJ, Ris F, Gosselink MP, Shorthouse JR, Smith AD, Pandit JJ, Lindsey I, Crabtree NA. No benefit of ultrasound-guided transversus abdominis plane blocks over wound infiltration with local anaesthetic in elective laparoscopic colonic surgery: results of a double-blind randomized controlled trial. *Colorectal Dis.* 2017 Jul;19(7):681-689. doi: 10.1111/codi.13578. PubMed PMID: 27943522.
- 155: Joswig H, Stienen MN, Smoll NR, Corniola MV, Chau I, Schaller K, Hildebrandt G, Gautschi OP. Patients' Preference of the Timed Up and Go Test or Patient-Reported Outcome Measures Before and After Surgery for Lumbar Degenerative Disk Disease. *World Neurosurg.* 2017 Mar;99:26-30. doi: 10.1016/j.wneu.2016.11.039. Epub 2016 Nov 29. PubMed PMID: 27913260.
- 156: Tessitore E, Gautschi OP. Letter to the Editor: Adult spinal deformity surgery: is it always worthwhile? *J Neurosurg Spine.* 2017 Mar;26(3):408-409. doi: 10.3171/2016.8.SPINE16882. Epub 2016 Dec 2. PubMed PMID: 27911226.
- 157: Joswig H, Stienen MN, Smoll NR, Corniola MV, Chau I, Schaller K, Hildebrandt G, Gautschi OP.

Effects of Smoking on Subjective and Objective Measures of Pain Intensity, Functional Impairment, and Health-Related Quality of Life in Lumbar Degenerative Disk Disease. *World Neurosurg.* 2017 Mar;99:6-13. doi: 10.1016/j.wneu.2016.11.060. Epub 2016 Nov 22. PubMed PMID: 27888086.

158: Gautschi OP, Stienen MN, Joswig H, Smoll NR, Schaller K, Corniola MV. The usefulness of radiological grading scales to predict pain intensity, functional impairment, and health-related quality of life after surgery for lumbar degenerative disc disease. *Acta Neurochir (Wien).* 2017 Feb;159(2):271-279. doi: 10.1007/s00701-016-3030-y. Epub 2016 Nov 21. PubMed PMID: 27873048.

159: Wisse LEM, Daugherty AM, Olsen RK, Berron D, Carr VA, Stark CEL, Amaral RSC, Amunts K, Augustinack JC, Bender AR, Bernstein JD, Boccardi M, Bocchetta M, Burggren A, Chakravarty MM, Chopin M, Ekstrom A, de Flores R, Insausti R, Kanel P, Kedo O, Kennedy KM, Kerchner GA, LaRocque KF, Liu X, Maass A, Malykhin N, Mueller SG, Ofen N, Palombo DJ, Parekh MB, Pluta JB, Pruessner JC, Raz N, Rodrigue KM, Schoemaker D, Shafer AT, Steve TA, Suthana N, Wang L, Winterburn JL, Yassa MA, Yushkevich PA, la Joie R; Hippocampal Subfields Group. A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals? *Hippocampus.* 2017 Jan;27(1):3-11. doi: 10.1002/hipo.22671. Epub 2016 Nov 15. PubMed PMID: 27862600; PubMed Central PMCID: PMC5167633.

160: 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.* 2017 Feb;131(3):437-448. doi: 10.1007/s11060-016-2316-5. Epub 2016 Nov 17. PubMed PMID: 27858266.

161: Hamel W, Köppen JA, Alesch F, Antonini A, Barcia JA, Bergman H, Chabardes S, Contarino MF, Cornu P, Demmel W, Deuschl G, Fasano A, Kühn AA, Limousin P, McIntyre CC, Mehdorn HM, Pilleri M, Pollak P, Rodríguez-Oroz MC, Rumià J, Samuel M, Timmermann L, Valdeoriola F, Vesper J, Visser-Vandewalle V, Volkmann J, Lozano AM. Targeting of the Subthalamic Nucleus for Deep Brain Stimulation: A Survey Among Parkinson's disease Specialists. *World Neurosurg.* 2017 Mar;99:41-46. doi: 10.1016/j.wneu.2016.11.012. Epub 2016 Nov 9. PubMed PMID: 27838430.

162: Dammann P, Schaller C, Sure U. Should we resect peri-lesional hemosiderin deposits when performing lesionectomy in patients with cavernoma-related epilepsy (CRE)? *Neurosurg Rev.* 2017 Jan;40(1):39-43. doi: 10.1007/s10143-016-0797-5. Epub 2016 Nov 8. Review. PubMed PMID: 27822594.

163: Mengno MK, Kamtchum-Tatuene J, Nicastro N, Noubiap JJ. Neurological complications of sickle cell disease in Africa: protocol for a systematic review. *BMJ Open.* 2016 Oct 19;6(10):e012981. doi: 10.1136/bmjopen-2016-012981. Review. PubMed PMID: 27798028; PubMed Central PMCID: PMC5073509.

164: Joswig H, Neff A, Ruppert C, Hildebrandt G, Stienen MN. The value of short-term pain relief in predicting the 1-month outcome of 'indirect' cervical epidural steroid injections. *Acta Neurochir (Wien).* 2017 Feb;159(2):291-300. doi: 10.1007/s00701-016-2997-8. Epub 2016 Oct 28. PubMed PMID: 27796650.

165: Stienen MN, Joswig H, Smoll NR, Corniola MV, Schaller K, Hildebrandt G, Gautschi OP. Influence of Body Mass Index on Subjective and Objective Measures of Pain, Functional Impairment, and Health-Related Quality of Life in Lumbar Degenerative Disc Disease. *World Neurosurg.* 2016 Dec;96:570-577.e1. doi: 10.1016/j.wneu.2016.09.070. Epub 2016 Sep 28. PubMed PMID: 27686509.

166: Houvenaghel JF, Duprez J, Argaud S, Naudet F, Dondaine T, Robert GH, Drapier S, Haegelen C,

Jannin P, Drapier D, Vérin M, Sauleau P. Influence of subthalamic deep-brain stimulation on cognitive action control in incentive context. *Neuropsychologia*. 2016 Oct;91:519-530. doi: 10.1016/j.neuropsychologia.2016.09.015. Epub 2016 Sep 21. PubMed PMID: 27664297.

167: Tessitore E, Molliqaj G, Schaller K, Gautschi OP. Extreme lateral interbody fusion (XLIF): A single-center clinical and radiological follow-up study of 20 patients. *J Clin Neurosci*. 2017 Feb;36:76-79. doi: 10.1016/j.jocn.2016.10.001. Epub 2016 Oct 17. PubMed PMID: 27765562.

168: Porcari P, Hegi ME, Lei H, Hamou MF, Vassallo I, Capuani S, Gruetter R, Mlynarik V. Early detection of human glioma sphere xenografts in mouse brain using diffusion MRI at 14.1 T. *NMR Biomed*. 2016 Nov;29(11):1577-1589. doi: 10.1002/nbm.3610. Epub 2016 Sep 15. PubMed PMID: 27717037.

169: Wostyn S, Staljanssens W, De Taeye L, Strobbe G, Gadeyne S, Van Roost D, Raedt R, Vonck K, van Mierlo P. EEG Derived Brain Activity Reflects Treatment Response from Vagus Nerve Stimulation in Patients with Epilepsy. *Int J Neural Syst*. 2017 Jun;27(4):1650048. doi: 10.1142/S0129065716500489. Epub 2016 Jul 11. PubMed PMID: 27712133.

170: Gondar R, Gautschi OP, Cuony J, Perren F, Jägersberg M, Corniola MV, Schatlo B, Molliqaj G, Morel S, Kulcsár Z, Mendes Pereira V, Rüfenacht D, Schaller K, Bijlenga P. Unruptured intracranial aneurysm follow-up and treatment after morphological change is safe: observational study and systematic review. *J Neurol Neurosurg Psychiatry*. 2016 Dec;87(12):1277-1282. doi: 10.1136/jnnp-2016-313584. Epub 2016 Sep 30. Review. PubMed PMID: 27694497.

171: Albaladejo P, Bonhomme F, Blais N, Collet JP, Faraoni D, Fontana P, Godier A, Llau J, Longrois D, Marret E, Mismetti P, Rosencher N, Roullet S, Samama CM, Schved JF, Sié P, Steib A, Susen S; French Working Group on Perioperative Hemostasis (GIHP). Management of direct oral anticoagulants in patients undergoing elective surgeries and invasive procedures: Updated guidelines from the French Working Group on Perioperative Hemostasis (GIHP) - September 2015. *Anaesth Crit Care Pain Med*. 2017 Feb;36(1):73-76. doi: 10.1016/j.accpm.2016.09.002. Epub 2016 Sep 20. PubMed PMID: 27659969.

172: Schaller K. Editorial re: WhatsApp in neurosurgery: the best practice is in our hands. *Acta Neurochir (Wien)*. 2016 Nov;158(11):2175. Epub 2016 Sep 20. PubMed PMID: 27650779.

173: Joswig H, Neff A, Ruppert C, Hildebrandt G, Stienen MN. The Value of Short-Term Pain Relief in Predicting the One-Month Outcome of Lumbar Transforaminal Epidural Steroid Injections. *World Neurosurg*. 2016 Dec;96:323-333. doi: 10.1016/j.wneu.2016.09.016. Epub 2016 Sep 15. PubMed PMID: 27641258.

174: Gautschi OP, Smoll NR, Joswig H, Corniola MV, Schaller K, Hildebrandt G, Stienen MN. Influence of age on pain intensity, functional impairment and health-related quality of life before and after surgery for lumbar degenerative disc disease. *Clin Neurol Neurosurg*. 2016 Nov;150:33-39. doi: 10.1016/j.clineuro.2016.08.024. Epub 2016 Aug 24. PubMed PMID: 27579779.

175: Chowdhury RA, Merlet I, Birot G, Kobayashi E, Nica A, Biraben A, Wendling F, Lina JM, Albera L, Grova C. Complex patterns of spatially extended generators of epileptic activity: Comparison of source localization methods cMEM and 4-ExSo-MUSIC on high resolution EEG and MEG data. *Neuroimage*. 2016 Dec;143:175-195. doi: 10.1016/j.neuroimage.2016.08.044. Epub 2016 Aug 22. PubMed PMID: 27561712.

176: McCarthy S, Das S, Kretzschmar W, Delaneau O, Wood AR, Teumer A, Kang HM, Fuchsberger C, Danecek P, Sharp K, Luo Y, Sidore C, Kwong A, Timpson N, Koskinen S, Vrieze S, Scott LJ, Zhang H,

Mahajan A, Veldink J, Peters U, Pato C, van Duijn CM, Gillies CE, Gandin I, Mezzavilla M, Gilly A, Cocca M, Traglia M, Angius A, Barrett JC, Boomsma D, Branham K, Breen G, Brummett CM, Busonero F, Campbell H, Chan A, Chen S, Chew E, Collins FS, Corbin LJ, Smith GD, Dedoussis G, Dorr M, Farmaki AE, Ferrucci L, Forer L, Fraser RM, Gabriel S, Levy S, Groop L, Harrison T, Hattersley A, Holmen OL, Hveem K, Kretzler M, Lee JC, McGue M, Meitinger T, Melzer D, Min JL, Mohlke KL, Vincent JB, Nauck M, Nickerson D, Palotie A, Pato M, Pirastu N, McLinnis M, Richards JB, Sala C, Salomaa V, Schlessinger D, Schoenherr S, Slagboom PE, Small K, Spector T, Stambolian D, Tuke M, Tuomilehto J, Van den Berg LH, Van Rheenen W, Volker U, Wijmenga C, Toniolo D, Zeggini E, Gasparini P, Sampson MG, Wilson JF, Frayling T, de Bakker PI, Swertz MA, McCarroll S, Kooperberg C, Dekker A, Altshuler D, Willer C, Iacono W, Ripatti S, Soranzo N, Walter K, Swaroop A, Cucca F, Anderson CA, Myers RM, Boehnke M, McCarthy MI, Durbin R; Haplotype Reference Consortium. A reference panel of 64,976 haplotypes for genotype imputation. *Nat Genet.* 2016 Oct;48(10):1279-83. doi: 10.1038/ng.3643. Epub 2016 Aug 22. PubMed PMID: 27548312; PubMed Central PMCID: PMC5388176.

177: Schatlo B, Stienen MN, Sommaruga S. Chronic problems after gunshot injuries to the spine. *Spine J.* 2016 Aug;16(8):1034-5. doi: 10.1016/j.spinee.2015.12.101. PubMed PMID: 27545406.

178: Waszak M, Falkovskiy P, Hilbert T, Bonnier G, Maréchal B, Meuli R, Gruetter R, Kober T, Krueger G. Prospective head motion correction using FID-guided on-demand image navigators. *Magn Reson Med.* 2017 Jul;78(1):193-203. doi: 10.1002/mrm.26364. Epub 2016 Aug 16. PubMed PMID: 27529516.

179: Stienen MN, Netuka D, Demetriades AK, Ringel F, Gautschi OP, Gempt J, Kuhlen D, Schaller K. Residency program trainee-satisfaction correlate with results of the European board examination in neurosurgery. *Acta Neurochir (Wien).* 2016 Oct;158(10):1823-30. doi: 10.1007/s00701-016-2917-y. Epub 2016 Aug 12. PubMed PMID: 27517689.

180: Gautschi OP, Joswig H, Corniola MV, Smoll NR, Schaller K, Hildebrandt G, Stienen MN. Pre- and postoperative correlation of patient-reported outcome measures with standardized Timed Up and Go (TUG) test results in lumbar degenerative disc disease. *Acta Neurochir (Wien).* 2016 Oct;158(10):1875-81. doi: 10.1007/s00701-016-2899-9. Epub 2016 Aug 3. PubMed PMID: 27488842.

181: Fiehler J, Cognard C, Gallitelli M, Jansen O, Kobayashi A, Mattle HP, Muir KW, Mazighi M, Schaller K, Schellingen PD. European Recommendations on Organisation of Interventional Care in Acute Stroke (EROICAS). *Int J Stroke.* 2016 Aug;11(6):701-16. doi: 10.1177/1747493016647735. PubMed PMID: 27462090.

182: John G, Bardini C, Mégevand P, Combescure C, Dällenbach P. Urinary incontinence as a predictor of death after new-onset stroke: a meta-analysis. *Eur J Neurol.* 2016 Oct;23(10):1548-55. doi: 10.1111/ene.13077. Epub 2016 Jul 18. PubMed PMID: 27425212.

183: van 't Hof FN, Ruigrok YM, Lee CH, Ripke S, Anderson G, de Andrade M, Baas AF, Blankenstein JD, Böttiger EP, Bown MJ, Broderick J, Bijlenga P, Carrell DS, Crawford DC, Crosslin DR, Ebeling C, Eriksson JG, Fornage M, Foroud T, von Und Zu Fraunberg M, Friedrich CM, Gaál EI, Gottesman O, Guo DC, Harrison SC, Hernesniemi J, Hofman A, Inoue I, Jääskeläinen JE, Jones GT, Kiemeney LA, Kivisaari R, Ko N, Koskinen S, Kubo M, Kullo IJ, Kuivaniemi H, Kurki MI, Laakso A, Lai D, Leal SM, Lehto H, LeMaire SA, Low SK, Malinowski J, McCarty CA, Milewicz DM, Mosley TH, Nakamura Y, Nakaoka H, Niemelä M, Pacheco J, Peissig PL, Pera J, Rasmussen-Torvik L, Ritchie MD, Rivadeneira F, van Rij AM, Santos-Cortez RL, Saratzis A, Slowik A, Takahashi A, Tromp G, Uitterlinden AG, Verma SS, Vermeulen SH, Wang GT; Aneurysm Consortium; Vascular Research Consortium of New Zealand, Han B, Rinkel GJ, de Bakker PI. Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. *J Am Heart Assoc.* 2016 Jul 14;5(7). pii: e002603. doi: 10.1161/JAHA.115.002603. Erratum in: *J Am Heart Assoc.* 2018 Feb 2;7(3):. PubMed PMID: 27418160; PubMed Central PMCID: PMC5015357.

- 184: Sokolov AA, Husain S, Sztajzel R, Croquelois A, Lobrinus JA, Thaler D, Städler C, Hungerbühler H, Caso V, Rinkel GJ, Michel P. Fatal subarachnoid hemorrhage following ischemia in vertebrobasilar dolichoectasia. *Medicine (Baltimore)*. 2016 Jul;95(27):e4020. doi: 10.1097/MD.00000000000004020. PubMed PMID: 27399083; PubMed Central PMCID: PMC5058812.
- 185: Stienen MN, Joswig H, Smoll NR, Corniola MV, Schaller K, Hildebrandt G, Gautschi OP. Short- and Long-Term Outcome of Microscopic Lumbar Spine Surgery in Patients with Predominant Back or Predominant Leg Pain. *World Neurosurg.* 2016 Sep;93:458-465.e1. doi: 10.1016/j.wneu.2016.06.120. Epub 2016 Jul 5. PubMed PMID: 27389938.
- 186: Bouillot P, Brina O, Yilmaz H, Farhat M, Erceg G, Lovblad KO, Vargas MI, Kulcsar Z, Pereira VM. Virtual-versus-Real Implantation of Flow Diverters: Clinical Potential and Influence of Vascular Geometry. *AJR Am J Neuroradiol.* 2016 Nov;37(11):2079-2086. doi: 10.3174/ajnr.A4845. Epub 2016 Jun 30. PubMed PMID: 27365325.
- 187: Rosenow F, Bast T, Czech T, Feucht M, Hans VH, Helmstaedter C, Huppertz HJ, Noachtar S, Oltmanns F, Polster T, Seeck M, Trinka E, Wagner K, Strzelczyk A. Revised version of quality guidelines for presurgical epilepsy evaluation and surgical epilepsy therapy issued by the Austrian, German, and Swiss working group on presurgical epilepsy diagnosis and operative epilepsy treatment. *Epilepsia.* 2016 Aug;57(8):1215-20. doi: 10.1111/epi.13449. Epub 2016 Jun 29. PubMed PMID: 27354263.
- 188: Gautschi OP, Stienen MN, Corniola MV, Joswig H, Schaller K, Hildebrandt G, Smoll NR. Assessment of the Minimum Clinically Important Difference in the Timed Up and Go Test After Surgery for Lumbar Degenerative Disc Disease. *Neurosurgery.* 2017 Mar 1;80(3):380-385. doi: 10.1227/NEU.0000000000001320. PubMed PMID: 27352275.
- 189: Méndez-Bértolo C, Moratti S, Toledano R, Lopez-Sosa F, Martínez-Alvarez R, Mah YH, Vuilleumier P, Gil-Nagel A, Strange BA. A fast pathway for fear in human amygdala. *Nat Neurosci.* 2016 Aug;19(8):1041-9. doi: 10.1038/nn.4324. Epub 2016 Jun 13. PubMed PMID: 27294508.
- 190: Schramm J, Schaller K, Esche J, Boström A. Microsurgery for cerebral arteriovenous malformations: subgroup outcomes in a consecutive series of 288 cases. *J Neurosurg.* 2017 Apr;126(4):1056-1063. doi: 10.3171/2016.4.JNS153017. Epub 2016 Jun 10. PubMed PMID: 27285541.
- 191: Kamtchum-Tatuene J, Sztajzel R, Mendes Pereira V. Letter by Kamtchum-Tatuene et al Regarding Article, "Mechanical Thrombectomy Improves Functional Outcomes Independent of Pretreatment With Intravenous Thrombolysis". *Stroke.* 2016 Jul;47(7):e197. doi: 10.1161/STROKEAHA.116.013896. Epub 2016 Jun 2. PubMed PMID: 27256669.
- 192: Jaques DA, Bagetakou S, L'Huillier AG, Bartoli A, Vargas MI, Fluss J, Kaiser L. Herpes simplex encephalitis as a complication of neurosurgical procedures: report of 3 cases and review of the literature. *Virol J.* 2016 May 23;13:83. doi: 10.1186/s12985-016-0540-4. Review. PubMed PMID: 27216026; PubMed Central PMCID: PMC4877812.
- 193: Deeb W, Rossi PJ, Porta M, Visser-Vandewalle V, Servello D, Silburn P, Coyne T, Leckman JF, Foltnie T, Hariz M, Joyce EM, Zrinzo L, Kefalopoulou Z, Welter ML, Karachi C, Mallet L, Houeto JL, Shahed-Jimenez J, Meng FG, Klassen BT, Mogilner AY, Pourfar MH, Kuhn J, Ackermans L, Kaido T, Temel Y, Gross RE, Walker HC, Lozano AM, Khandhar SM, Walter BL, Walter E, Mari Z, Changizi BK, Moro E, Baldermann JC, Huys D, Zauber SE, Schrock LE, Zhang JG, Hu W, Foote KD, Rizer K, Mink JW, Woods DW, Gunduz A, Okun MS. The International Deep Brain Stimulation Registry and Database for Gilles de la Tourette Syndrome: How Does It Work? *Front Neurosci.* 2016 Apr 25;10:170. doi: 10.3389/fnins.2016.00170. eCollection 2016. PubMed PMID: 27199634; PubMed Central PMCID:

PMC4842757.

- 194: Weckhuysen S, Marsan E, Lambrecq V, Marchal C, Morin-Brureau M, An-Gourfinkel I, Baulac M, Fohlen M, Kallay Zetchi C, Seeck M, de la Grange P, Dermaut B, Meurs A, Thomas P, Chassoux F, Leguern E, Picard F, Baulac S. Involvement of GATOR complex genes in familial focal epilepsies and focal cortical dysplasia. *Epilepsia*. 2016 Jun;57(6):994-1003. doi: 10.1111/epi.13391. Epub 2016 May 13. PubMed PMID: 27173016.
- 195: Tinuper P, Bisulli F, Cross JH, Hesdorffer D, Kahane P, Nobili L, Provini F, Scheffer IE, Tassi L, Vignatelli L, Bassetti C, Cirignotta F, Derry C, Gambardella A, Guerrini R, Halasz P, Licchetta L, Mahowald M, Manni R, Marini C, Mostacci B, Naldi I, Parrino L, Picard F, Pugliatti M, Ryvlin P, Vigevano F, Zucconi M, Berkovic S, Ottman R. Definition and diagnostic criteria of sleep-related hypermotor epilepsy. *Neurology*. 2016 May 10;86(19):1834-42. doi: 10.1212/WNL.0000000000002666. Epub 2016 Apr 15. Review. PubMed PMID: 27164717; PubMed Central PMCID: PMC4862248.
- 196: Kalovidouri A, Boto J, Vargas MI. Cerebral CSF cyst as a rare complication of ventriculoperitoneal shunt. *J Neuroradiol*. 2016 Jul;43(4):303-5. doi: 10.1016/j.neurad.2016.03.010. Epub 2016 May 6. PubMed PMID: 27157325.
- 197: Salomon R, Ronchi R, Dönz J, Bello-Ruiz J, Herbelin B, Martet R, Faivre N, Schaller K, Blanke O. The Insula Mediates Access to Awareness of Visual Stimuli Presented Synchronously to the Heartbeat. *J Neurosci*. 2016 May 4;36(18):5115-27. doi: 10.1523/JNEUROSCI.4262-15.2016. PubMed PMID: 27147663.
- 198: Ost P, Jereczek-Fossa BA, Van As N, Zilli T, Tree A, Henderson D, Orecchia R, Casamassima F, Surgo A, Miralbell R, De Meerleer G. Pattern of Progression after Stereotactic Body Radiotherapy for Oligometastatic Prostate Cancer Nodal Recurrences. *Clin Oncol (R Coll Radiol)*. 2016 Sep;28(9):e115-20. doi: 10.1016/j.clon.2016.04.040. Epub 2016 Apr 28. PubMed PMID: 27133946.
- 199: Jenny B, Smoll N, El Hassani Y, Momjian S, Pollo C, Korff CM, Seeck M, Schaller K. Pediatric epilepsy surgery: could age be a predictor of outcomes? *J Neurosurg Pediatr*. 2016 Aug;18(2):235-41. doi: 10.3171/2015.10.PEDS14413. Epub 2016 Apr 29. PubMed PMID: 27128787.
- 200: Chaudhary UJ, Centeno M, Thornton RC, Rodionov R, Vulliemoz S, McEvoy AW, Diehl B, Walker MC, Duncan JS, Carmichael DW, Lemieux L. Mapping human preictal and ictal haemodynamic networks using simultaneous intracranial EEG-fMRI. *Neuroimage Clin*. 2016 Mar 23;11:486-493. doi: 10.1016/j.nicl.2016.03.010. eCollection 2016. PubMed PMID: 27114897; PubMed Central PMCID: PMC4832091.

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