

Medical University of Vienna

Department of Neurosurgery, [Medical University of Vienna](#).

Erkkilä MT, Bauer B, Hecker-Denschlag N, Madera Medina MJ, Leitgeb RA, Unterhuber A, Gesperger J, Roetzer T, Hauger C, Drexler W, Widhalm G, Andreana M. Widefield **fluorescence** lifetime imaging of **protoporphyrin IX** for **fluorescence-guided neurosurgery**: an ex vivo feasibility study. *J Biophotonics*. 2019 Jan 12. doi: 10.1002/jbio.201800378. [Epub ahead of print] PubMed PMID: 30636030.

2: Galldiks N, Langen KJ, Albert NL, Chamberlain M, Soffietti R, Kim MM, Law I, Le Rhun E, Chang S, Schwarting J, Combs SE, Preusser M, Forsyth P, Pope W, Weller M, Tonn JC. PET Imaging in Patients with Brain Metastasis - Report of the RANO/PET Group. *Neuro Oncol*. 2019 Jan 5. doi: 10.1093/neuonc/noz003. [Epub ahead of print] PubMed PMID: 30615138.

3: Skinner SA, Aydinlar EI, Borges LF, Carter BS, Currier BL, Deletis V, Dong C, Dormans JP, Drost G, Fernandez-Conejero I, Hoffman EM, Holdefer RN, Kimaid PAT, Koht A, Kothbauer KF, MacDonald DB, McAuliffe JJ 3rd, Morledge DE, Morris SH, Norton J, Novak K, Park KS, Perra JH, Prell J, Rippe DM, Sala F, Schwartz DM, Segura MJ, Seidel K, Seubert C, Simon MV, Soto F, Strommen JA, Szelenyi A, Tello A, Ulkatan S, Urriza J, Wilkinson M. Is the new ASNM intraoperative neuromonitoring supervision "guideline" a trustworthy guideline? A commentary. *J Clin Monit Comput*. 2019 Jan 5. doi: 10.1007/s10877-018-00242-3. [Epub ahead of print] PubMed PMID: 30612285.

4: Valdes PA, Millesi M, Widhalm G, Roberts DW. 5-aminolevulinic acid induced protoporphyrin IX (ALA-PpIX) fluorescence guidance in meningioma surgery. *J Neurooncol*. 2019 Jan 2. doi: 10.1007/s11060-018-03079-7. [Epub ahead of print] Review. PubMed PMID: 30604395.

5: Harada M, Jiang M, Terai K, Ebinuma H, Hiruta N, Schneider WJ, Sugo N, Nagao T, Bujo H. Levels of circulating soluble LR11, a regulator of smooth muscle cell migration, are highly associated with atherosclerotic plaques in patients with carotid artery stenosis. *Clin Chim Acta*. 2018 Dec 12;490:69-76. doi: 10.1016/j.cca.2018.12.005. [Epub ahead of print] PubMed PMID: 30550937.

6: Abbas M, de Kraker ME, Aghayev E, Astagneau P, Aupee M, Behnke M, Bull A, Choi HJ, de Greeff SC, Elgohari S, Gastmeier P, Harrison W, Koek MB, Lamagni T, Limon-Cáceres E, Løwer HL, Lyytikäinen O, Marimuthu K, Marquess J, McCann R, Prantner I, Presterl E, Pujol M, Reilly J, Roberts C, Lusignani LS, Si D, Szilágyi E, Tanguy J, Tempone S, Troillet N, Worth L, Pittet D, Harbarth S. Impact of participation in a surgical site infection surveillance network: results from a large international cohort study. *J Hosp Infect*. 2018 Dec 7. pii: S0195-6701(18)30680-7. doi: 10.1016/j.jhin.2018.12.003. [Epub ahead of print] PubMed PMID: 30529703.

7: Erhart F, Buchroithner J, Reitermaier R, Fischhuber K, Klingenbrunner S, Sloma I, Hibsh D, Kozol R, Efroni S, Ricken G, Wöhrer A, Haberler C, Hainfellner J, Krumpl G, Felzmann T, Dohnal AM, Marosi C, Visus C. Immunological analysis of phase II glioblastoma dendritic cell vaccine (Audencel) trial: immune system characteristics influence outcome and Audencel up-regulates Th1-related immunovariables. *Acta Neuropathol Commun*. 2018 Dec 5;6(1):135. doi: 10.1186/s40478-018-0621-2. PubMed PMID: 30518425; PubMed Central PMCID: PMC6280511.

8: Leitner J, Pelster S, Schöpf V, Berghoff AS, Woitek R, Asenbaum U, Nenning KH, Widhalm G, Kiesel B, Gatterbauer B, Dieckmann K, Birner P, Prayer D, Preusser M, Furtner J. High correlation of temporal

muscle thickness with lumbar skeletal muscle cross-sectional area in patients with brain metastases. PLoS One. 2018 Nov 29;13(11):e0207849. doi: 10.1371/journal.pone.0207849. eCollection 2018. PubMed PMID: 30496307; PubMed Central PMCID: PMC6264824.

9: Stadlbauer A, Zimmermann M, Bennani-Baiti B, Helbich TH, Baltzer P, Clauser P, Kapetas P, Bagó-Horváth Z, Pinker K. Development of a Non-invasive Assessment of Hypoxia and Neovascularization with Magnetic Resonance Imaging in Benign and Malignant Breast Tumors: Initial Results. Mol Imaging Biol. 2018 Nov 26. doi: 10.1007/s11307-018-1298-4. [Epub ahead of print] PubMed PMID: 30478507.

10: Gröppel G, Dorfer C, Samueli S, Dressler A, Mühlbner A, Prayer D, Czech T, Feucht M. Single stage epilepsy surgery in children and adolescents with focal cortical dysplasia type II - Prognostic value of the intraoperative electrocorticogram. Clin Neurophysiol. 2019 Jan;130(1):20-24. doi: 10.1016/j.clinph.2018.09.023. Epub 2018 Nov 14. PubMed PMID: 30472578.

11: Erhart F, Blauensteiner B, Zirkovits G, Printz D, Soukup K, Klingenbrunner S, Fischhuber K, Reitermaier R, Halfmann A, Lötsch D, Spiegl-Kreinecker S, Berger W, Visus C, Dohnal A. Gliomasphere marker combinatorics: multidimensional flow cytometry detects CD44+/CD133+/ITGA6+/CD36+ signature. J Cell Mol Med. 2019 Jan;23(1):281-292. doi: 10.1111/jcmm.13927. Epub 2018 Nov 22. PubMed PMID: 30467961; PubMed Central PMCID: PMC6307809.

12: Schernthaner-Reiter MH, Siess C, Gessl A, Scheuba C, Wolfsberger S, Riss P, Knosp E, Luger A, Vila G. Factors predicting long-term comorbidities in patients with Cushing's syndrome in remission. Endocrine. 2018 Nov 22. doi: 10.1007/s12020-018-1819-6. [Epub ahead of print] PubMed PMID: 30467627.

13: Füreder LM, Widhalm G, Gatterbauer B, Dieckmann K, Hainfellner JA, Bartsch R, Zielinski CC, Preusser M, Berghoff AS. Brain metastases as first manifestation of advanced cancer: exploratory analysis of 459 patients at a tertiary care center. Clin Exp Metastasis. 2018 Dec;35(8):727-738. doi: 10.1007/s10585-018-9947-1. Epub 2018 Nov 12. PubMed PMID: 30421093; PubMed Central PMCID: PMC6267666.

14: Cronin SJF, Seehus C, Weidinger A, Talbot S, Reissig S, Seifert M, Pierson Y, McNeill E, Longhi MS, Turnes BL, Kreslavsky T, Kogler M, Hoffmann D, Ticevic M, da Luz Scheffer D, Tortola L, Cikes D, Jais A, Rangachari M, Rao S, Paolino M, Novatchkova M, Aichinger M, Barrett L, Latremoliere A, Wirnsberger G, Lametschwandtner G, Busslinger M, Zicha S, Latini A, Robson SC, Waisman A, Andrews N, Costigan M, Channon KM, Weiss G, Kozlov AV, Tebbe M, Johnsson K, Woolf CJ, Penninger JM. The metabolite BH4 controls T cell proliferation in autoimmunity and cancer. Nature. 2018 Nov;563(7732):564-568. doi: 10.1038/s41586-018-0701-2. Epub 2018 Nov 7. PubMed PMID: 30405245.

15: Handisurya A, Rumpold T, Caucig-Lütgendorf C, Flechl B, Preusser M, İlhan-Mutlu A, Dieckmann K, Widhalm G, Grisold A, Wöhner A, Hainfellner J, Ristl R, Kurz C, Marosi C, Gessl A, Hassler M. Are hypothyroidism and hypogonadism clinically relevant in patients with malignant gliomas? A longitudinal trial in patients with glioma. Radiother Oncol. 2018 Oct 30. pii: S0167-8140(18)33538-2. doi: 10.1016/j.radonc.2018.10.014. [Epub ahead of print] PubMed PMID: 30389240.

16: Fejes AV, Best MG, van der Heijden WA, Vancura A, Verschueren H, de Mast Q, Wurdinger T, Mannhalter C. Impact of Escherichia coli K12 and O18:K1 on human platelets: Differential effects on platelet activation, RNAs and proteins. Sci Rep. 2018 Nov 1;8(1):16145. doi: 10.1038/s41598-018-34473-w. PubMed PMID: 30385858; PubMed Central PMCID: PMC6212526.

17: Sievers P, Stichel D, Hielscher T, Schrimpf D, Reinhardt A, Wefers AK, Reuss D, Jones DTW, Bewerunge-Hudler M, Hartmann C, Baumgarten P, Wirsching HG, Winther-Kristensen B, Brokinkel B,

Ketter R, Idoate Gastearena MA, Lamszus K, Seiz-Rosenhagen M, Mawrin C, Harter PN, Felsberg J, Hänggi D, Herold-Mende C, Berghoff AS, Weller M, Pfister SM, Wick W, Reifenberger G, Preusser M, von Deimling A, Sahm F. Chordoid meningiomas can be sub-stratified into prognostically distinct DNA methylation classes and are enriched for heterozygous deletions of chromosomal arm 2p. *Acta Neuropathol.* 2018 Dec;136(6):975-978. doi: 10.1007/s00401-018-1924-x. Epub 2018 Oct 31. PubMed PMID: 30382370.

18: Saha K, Li Y, Holy M, Lehner KR, Bukhari MO, Partilla JS, Sandtner W, Sitte HH, Baumann MH. The synthetic cathinones, butylone and pentyline, are stimulants that act as dopamine transporter blockers but 5-HT transporter substrates. *Psychopharmacology (Berl).* 2018 Oct 22. doi: 10.1007/s00213-018-5075-5. [Epub ahead of print] PubMed PMID: 30345459.

19: Khedr EM, Al Fawal B, Abdelwarith A, Saber M, Rothwell JC. Repetitive transcranial magnetic stimulation for treatment of tardive syndromes: double randomized clinical trial. *J Neural Transm (Vienna).* 2018 Oct 13. doi: 10.1007/s00702-018-1941-x. [Epub ahead of print] PubMed PMID: 30317532.

20: Buchroithner J, Erhart F, Pichler J, Widhalm G, Preusser M, Stockhammer G, Nowosielski M, Iglseder S, Freyschlag CF, Oberndorfer S, Bordihn K, von Campe G, Hoffermann M, Ruckser R, Rössler K, Spiegl-Kreinecker S, Fischer MB, Czech T, Visus C, Krumpl G, Felzmann T, Marosi C. Audencel Immunotherapy Based on Dendritic Cells Has No Effect on Overall and Progression-Free Survival in Newly Diagnosed Glioblastoma: A Phase II Randomized Trial. *Cancers (Basel).* 2018 Oct 5;10(10). pii: E372. doi: 10.3390/cancers10100372. PubMed PMID: 30301187; PubMed Central PMCID: PMC6210090.

21: Foesleitner O, Nenning KH, Traub-Weidinger T, Feucht M, Bonelli S, Czech T, Dorfer C, Prayer D, Kasprian G. Reply. *AJNR Am J Neuroradiol.* 2018 Nov;39(11):E124. doi: 10.3174/ajnr.A5822. Epub 2018 Oct 4. PubMed PMID: 30287457.

22: Eugui P, Lichtenegger A, Augustin M, Harper DJ, Muck M, Roetzer T, Wartak A, Konegger T, Widhalm G, Hitzenberger CK, Woehrer A, Baumann B. Beyond backscattering: optical neuroimaging by BRAD. *Biomed Opt Express.* 2018 May 1;9(6):2476-2494. doi: 10.1364/BOE.9.002476. eCollection 2018 Jun 1. PubMed PMID: 30258667; PubMed Central PMCID: PMC6154182.

23: Andreiuolo F, Varlet P, Tauziède-Espriat A, Jünger ST, Dörner E, Dreschmann V, Kuchelmeister K, Waha A, Haberler C, Slavc I, Corbacioglu S, Riemschneider MJ, Leipold A, Rüdiger T, Körholz D, Acker T, Russo A, Faber J, Sommer C, Armbrust S, Rose M, Erdlenbruch B, Hans VH, Bernbeck B, Schneider D, Lorenzen J, Ebinger M, Handgretinger R, Neumann M, van Buuren M, Prinz M, Roganovic J, Jakovcevic A, Park SH, Grill J, Puget S, Messing-Jünger M, Reinhard H, Bergmann M, Hattingen E, Pietsch T. Childhood supratentorial ependymomas with YAP1-MAML1 fusion: an entity with characteristic clinical, radiological, cytogenetic and histopathological features. *Brain Pathol.* 2018 Sep 23. doi: 10.1111/bpa.12659. [Epub ahead of print] PubMed PMID: 30246434.

1: Huemer M, Diodato D, Martinelli D, Olivieri G, Blom H, Gleich F, Kölker S, Kožich V, Morris AA, Seifert B, Froese DS, Baumgartner MR, Dionisi-Vici C; EHOD consortium, Alcalde Martin C, Baethmann M, Ballhausen D, Blasco-Alonso J, Boy N, Bueno M, Burgos Peláez R, Cerone R, Chabrol B, Chapman KA, Couce ML, Crushell E, Dalmau Serra J, Diogo L, Ficicioglu C, García Jimenez MC, García Silva MT, Gaspar AM, Gautschi M, González-Lamuño D, Gouveia S, Grünewald S, Hendriksz C, Janssen MCH, Jesina P, Koch J, Konstantopoulou V, Lavigne C, Lund AM, Martins EG, Meavilla Olivas S, Mention K, Mochel F, Mundy H, Murphy E, Paquay S, Pedrón-Giner C, Ruiz Gómez MA, Santra S, Schiff M, Schwartz IV, Scholl-Bürgi S, Servais A, Skouma A, Tran C, Vives Piñera I, Walter J, Weisfeld-Adams J. Phenotype, treatment practice and outcome in the cobalamin-dependent remethylation disorders and MTHFR

deficiency: data from the E-HOD registry. *J Inherit Metab Dis.* 2018 Sep 3. doi: 10.1007/s10545-018-0238-4. [Epub ahead of print] PubMed PMID: 30178268.

2: Szabo J, Smielewski P, Czosnyka M, Jakubicek S, Krebs S, Siarnik P, Sykora M. Heart rate variability is associated with outcome in spontaneous intracerebral hemorrhage. *J Crit Care.* 2018 Aug 25;48:85-89. doi: 10.1016/j.jcrc.2018.08.033. [Epub ahead of print] PubMed PMID: 30176528.

Micko A, Vila G, Höftberger R, Knosp E, Wolfsberger S. Endoscopic Transsphenoidal Surgery of **Microprolactinomas**: A Reappraisal of Cure Rate Based on Radiological Criteria. *Neurosurgery.* 2018 Aug 29. doi: 10.1093/neuros/nyy385. [Epub ahead of print] PubMed PMID: 30169711.

4: Klughammer J, Kiesel B, Roetzer T, Fortelny N, Nemc A, Nenning KH, Furtner J, Sheffield NC, Datlinger P, Peter N, Nowosielski M, Augustin M, Mischkulnig M, Ströbel T, Alpar D, Ergüner B, Senekowitsch M, Moser P, Freyschlag CF, Kerschbaumer J, Thomé C, Grams AE, Stockhamer G, Kitzwoegerer M, Oberndorfer S, Marhold F, Weis S, Trenkler J, Buchroithner J, Pichler J, Haybaeck J, Krassnig S, Mahdy Ali K, von Campe G, Payer F, Sherif C, Preiser J, Hauser T, Winkler PA, Kleindienst W, Würz F, Brandner-Kokalj T, Stultschnig M, Schweiger S, Dieckmann K, Preusser M, Langs G, Baumann B, Knosp E, Widhalm G, Marosi C, Hainfellner JA, Woehrer A, Bock C. The DNA methylation landscape of glioblastoma disease progression shows extensive heterogeneity in time and space. *Nat Med.* 2018 Aug 27. doi: 10.1038/s41591-018-0156-x. [Epub ahead of print] PubMed PMID: 30150718.

5: Huang RY, Bi WL, Weller M, Kaley T, Blakeley J, Dunn I, Galanis E, Preusser M, McDermott M, Rogers L, Raizer J, Schiff D, Soffietti R, Tonn JC, Vogelbaum M, Weber D, Reardon DA, Wen PY. Proposed Response Assessment and Endpoints for Meningioma Clinical Trials: Report from the Response Assessment in Neuro-Oncology (RANO) Working Group. *Neuro Oncol.* 2018 Aug 18. doi: 10.1093/neuonc/noy137. [Epub ahead of print] PubMed PMID: 30137421.

6: Rutkowski S, Modena P, Williamson D, Kerl K, Nysom K, Pizer B, Bartels U, Puget S, Doz F, Michalski A, von Hoff K, Chevignard M, Avula S, Murray MJ, Schönberger S, Czech T, Schouten-van Meeteren AYN, Kordes U, Kramm CM, van Vuurden DG, Hulleman E, Janssens GO, Solanki GA, van Veelen MC, Thomale U, Schuhmann MU, Jones C, Giangaspero F, Figarella-Branger D, Pietsch T, Clifford SC, Pfister SM, Van Gool SW. Biological material collection to advance translational research and treatment of children with CNS tumours: position paper from the SIOPE Brain Tumour Group. *Lancet Oncol.* 2018 Aug;19(8):e419-e428. doi: 10.1016/S1470-2045(18)30364-4. Review. PubMed PMID: 30102236.

7: Guenther F, Swozil F, Heber S, Buchfelder M, Messlinger K, Fischer MJ. Pre- and postoperative headache in patients with meningioma. *Cephalgia.* 2018 Aug 8:333102418793636. doi: 10.1177/0333102418793636. [Epub ahead of print] PubMed PMID: 30089403.

8: Huang RY, Unadkat P, Linda Bi W, George E, Preusser M, McCracken DJ, Keen JR, Read WL, Olson JJ, Seystahl K, Le Rhun E, Roelcke U, Koeppen S, Furtner J, Weller M, Raizer JJ, Schiff D, Wen PY. Response Assessment of Meningioma: 1D, 2D and Volumetric Criteria for Treatment Response and Tumor Progression. *Neuro Oncol.* 2018 Aug 2. doi: 10.1093/neuonc/noy126. [Epub ahead of print] PubMed PMID: 30085283.

9: Katzenschlager R, Poewe W, Rascol O, Trenkwalder C, Deuschl G, Chaudhuri KR, Henriksen T, van Laar T, Spivey K, Vel S, Staines H, Lees A. Apomorphine subcutaneous infusion in patients with Parkinson's disease with persistent motor fluctuations (TOLEDO): a multicentre, double-blind, randomised, placebo-controlled trial. *Lancet Neurol.* 2018 Sep;17(9):749-759. doi: 10.1016/S1474-4422(18)30239-4. Epub 2018 Jul 25. PubMed PMID: 30055903.

10: Hosmann A, Rauscher S, Wang WT, Dodier P, Bavinzski G, Knosp E, Gruber A. Intra-Arterial

Papaverine-Hydrochloride and Transluminal Balloon Angioplasty for Neurointerventional Management of Delayed-Onset Post-Aneurysmal Subarachnoid Hemorrhage Vasospasm. *World Neurosurg.* 2018 Jul 24. pii: S1878-8750(18)31616-4. doi: 10.1016/j.wneu.2018.07.138. [Epub ahead of print] PubMed PMID: 30053563.

11: Prieto R, Pascual JM, Hofecker V, Winter E, Castro-Dufourny I, Carrasco R, Barrios L. Craniopharyngioma adherence: a reappraisal of the evidence. *Neurosurg Rev.* 2018 Jul 24. doi: 10.1007/s10143-018-1010-9. [Epub ahead of print] Review. PubMed PMID: 30043262.

12: Wang X, Zhuang W, Fu W, Wang X, Lv E, Li F, Zhou S, Rausch WD, Wang X. The lentiviral-mediated Nurr1 genetic engineering mesenchymal stem cells protect dopaminergic neurons in a rat model of Parkinson's disease. *Am J Transl Res.* 2018 Jun 15;10(6):1583-1599. eCollection 2018. PubMed PMID: 30018702; PubMed Central PMCID: PMC6038066.

13: Spiegl-Kreinecker S, Lötsch D, Neumayer K, Kastler L, Gojo J, Pirker C, Pichler J, Weis S, Kumar R, Webersinke G, Gruber A, Berger W. TERT promoter mutations are associated with poor prognosis and cell immortalization in meningioma. *Neuro Oncol.* 2018 Jul 11. doi: 10.1093/neuonc/noy104. [Epub ahead of print] PubMed PMID: 30010853.

14: Furtner J, Berghoff AS, Schöpf V, Reumann R, Pascher B, Woitek R, Asenbaum U, Pelster S, Leitner J, Widhalm G, Gatterbauer B, Dieckmann K, Höller C, Prayer D, Preusser M. Temporal muscle thickness is an independent prognostic marker in melanoma patients with newly diagnosed brain metastases. *J Neurooncol.* 2018 Jul 14. doi: 10.1007/s11060-018-2948-8. [Epub ahead of print] PubMed PMID: 30008154.

15: Koren J, Herta J, Draschtak S, Pötzl G, Fürbass F, Hartmann M, Kluge T, Gruber A, Baumgartner C. Early Epileptiform Discharges and Clinical Signs Predict Nonconvulsive Status Epilepticus on Continuous EEG. *Neurocrit Care.* 2018 Jul 11. doi: 10.1007/s12028-018-0563-3. [Epub ahead of print] PubMed PMID: 29998425.

16: Bunse L, Pusch S, Bunse T, Sahm F, Sanghvi K, Friedrich M, Alansary D, Sonner JK, Green E, Deumelandt K, Kilian M, Neftel C, Uhlig S, Kessler T, von Landenberg A, Berghoff AS, Marsh K, Steadman M, Zhu D, Nicolay B, Wiestler B, Breckwoldt MO, Al-Ali R, Karcher-Bausch S, Bozza M, Oezen I, Kramer M, Meyer J, Habel A, Eisel J, Poschet G, Weller M, Preusser M, Nadji-Ohl M, Thon N, Burger MC, Harter PN, Ratliff M, Harbottle R, Benner A, Schrimpf D, Okun J, Herold-Mende C, Turcan S, Kaulfuss S, Hess-Stumpf H, Bieback K, Cahill DP, Plate KH, Hänggi D, Dorsch M, Suvà ML, Niemeyer BA, von Deimling A, Wick W, Platten M. Suppression of antitumor T cell immunity by the oncometabolite (R)-2-hydroxyglutarate. *Nat Med.* 2018 Aug;24(8):1192-1203. doi: 10.1038/s41591-018-0095-6. Epub 2018 Jul 9. PubMed PMID: 29988124.

17: Koren JP, Herta J, Fürbass F, Pirker S, Reiner-Deitemyer V, Riederer F, Flechsenhar J, Hartmann M, Kluge T, Baumgartner C. Automated Long-Term EEG Review: Fast and Precise Analysis in Critical Care Patients. *Front Neurol.* 2018 Jun 19;9:454. doi: 10.3389/fneur.2018.00454. eCollection 2018. PubMed PMID: 29973906; PubMed Central PMCID: PMC6020775.

18: Foesleitner O, Nenning KH, Traub-Weidinger T, Feucht M, Bonelli S, Czech T, Dorfer C, Prayer D, Kasprian G. Assessing Corticospinal Tract Asymmetry in Unilateral Polymicrogyria. *AJNR Am J Neuroradiol.* 2018 Aug;39(8):1530-1535. doi: 10.3174/ajnr.A5715. Epub 2018 Jun 28. PubMed PMID: 29954815.

19: Scorza FA, Fiorini AC, Scorza CA, Finsterer J. Complementary Medicine in Parkinson Disease: Once Again, Surprisingly Effective. *Arch Phys Med Rehabil.* 2018 Jul;99(7):1438-1439. doi:

10.1016/j.apmr.2018.01.033. PubMed PMID: 29937088.

20: Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenelleur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JL, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Lighthart L, Terwindt GM, Freilinger T, Ran C, Gordon SD, Borck G, Adams HHH, Lehtimäki T, Wedenoja J, Buring JE, Schürks M, Hrafnsdottir M, Hottenga JJ, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin NG, Montgomery GW, Kurki MI, Hääläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B, Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J, Metspalu A, Kubisch C, Ferrari MD, Belin AC, van den Maagdenberg AMJM, Zwart JA, Boomsma D, Eriksson N, Olesen J, Chasman DI, Nyholt DR, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono R, Catarino CB, Cossette P, De Jonghe P, Depondt C, Dlugos D, Ferraro TN, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya SM, Smith P, Sperling M, Striano P, Surges R, Thomas GN, Visscher F, Whelan CD, Zara F, Heinzen EL, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris HR, Sharma M, Ryten M, Mok KY, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen WM, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, William Rayner N, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JL, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O'Toole JK, Trace SE, Davis OSP, Helder SG, Ehrlich S, Herpertz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Maj M, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julià A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold AJ, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervas A, Arranz MJ, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Arias Vasquez A, Doyle AE, Reif A, Lesch KP, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum AD, Waldman I, Wilmot B, Molly N, Bau CHD, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet EH, Medland SE, Robinson E, Weiss LA, Bacchelli E, Bailey A, Bal V, Battaglia A, Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, De-Luca DM, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R, Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman-Parra J, Mayoral F, Schofield PR, Cichon S, Mühlleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, Alda M, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer TFM, Forstner AJ, Streit F, Baune BT, Air T, Sinnamon G, Wray NR, MacIntyre DJ, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp CM, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li QS, Nauck M, Schoevers RA, Beekman AT, Knowles JA,

Viktorin A, Arnold P, Barr CL, Bedoya-Berrio G, Bienvenu OJ, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derk EM, Dietrich A, Fernandez T, Figee M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon GJ, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel EC, Mir P, Nestadt G, Nicolini H, Okun MS, Pakstis A, Paschou P, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter MA, Riddle MA, Robertson MM, Roessner V, Rosário M, Samuels JF, Sandor P, Stein DJ, Tsetsos F, Van Nieuwerburgh F, Weatherall S, Wendland JR, Wolanczyk T, Worbe Y, Zai G, Goes FS, McLaughlin N, Nestadt PS, Grabe HJ, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramon E, Buccola N, Cahn W, Cairns M, Chong SA, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kučinskas V, Lee Chee Keong J, Limborska S, Loughland C, Lönnqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quested D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmann E, Subramaniam M, Toncheva D, Waddington J, Walters J, Weiser M, Cheng W, Cloninger R, Curtis D, Gejman PV, Henskens F, Mattingsdal M, Oh SY, Scott R, Webb B, Breen G, Churchhouse C, Bulik CM, Daly M, Dichgans M, Faraone SV, Guerreiro R, Holmans P, Kendler KS, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P, Williams J, Wood NW, Cotsapas C, Palotie A, Smoller JW, Sullivan P, Rosand J, Corvin A, Neale BM, Schott JM, Anney R, Elia J, Grigoriu-Serbanescu M, Edenberg HJ, Murray R. Analysis of shared heritability in common disorders of the brain. *Science*. 2018 Jun 22;360(6395). pii: eaap8757. doi: 10.1126/science.aap8757. PubMed PMID: 29930110; PubMed Central PMCID: PMC6097237.

21: Reinbold CS, Forstner AJ, Hecker J, Fullerton JM, Hoffmann P, Hou L, Heilbronner U, Degenhardt F, Adli M, Akiyama K, Akula N, Arda 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, Grigoriu-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.

22: Kovacs GG, Xie SX, Robinson JL, Lee EB, Smith DH, Schuck T, Lee VM, Trojanowski JQ. Sequential stages and distribution patterns of aging-related tau astroglialopathy (ARTAG) in the human brain. *Acta Neuropathol Commun*. 2018 Jun 11;6(1):50. doi: 10.1186/s40478-018-0552-y. PubMed PMID: 29891013; PubMed Central PMCID: PMC5996526.

23: Rienmüller AC, Krieg SM, Schmidt FA, Meyer EL, Meyer B. Reoperation rates and risk factors for revision 4 years after dynamic stabilization of the lumbar spine. *Spine J*. 2018 Jun 7. pii: S1529-9430(18)30250-X. doi: 10.1016/j.spinee.2018.05.025. [Epub ahead of print] PubMed PMID: 29886162.

24: Kiesel B, Millesi M, Woehrer A, Furtner J, Bavand A, Roetzer T, Mischkulnig M, Wolfsberger S, Preusser M, Knosp E, Widhalm G. 5-ALA-induced fluorescence as a marker for diagnostic tissue in

stereotactic biopsies of intracranial lymphomas: experience in 41 patients. *Neurosurg Focus*. 2018 Jun;44(6):E7. doi: 10.3171/2018.3.FOCUS1859. PubMed PMID: 29852770.

25: van Westrenen A, Smidt LCA, Seute T, Nierkens S, Stork ACJ, Minnema MC, Snijders TJ. Diagnostic markers for CNS lymphoma in blood and cerebrospinal fluid: a systematic review. *Br J Haematol*. 2018 May 29. doi: 10.1111/bjh.15410. [Epub ahead of print] PubMed PMID: 29808930; PubMed Central PMCID: PMC6099264.

26: Mkrtchyan GV, Üçal M, Müllebner A, Dumitrescu S, Kames M, Moldzio R, Molcanyi M, Schaefer S, Weidinger A, Schaefer U, Hescheler J, Duvigneau JC, Redl H, Bunik VI, Kozlov AV. Thiamine preserves mitochondrial function in a rat model of traumatic brain injury, preventing inactivation of the 2-oxoglutarate dehydrogenase complex. *Biochim Biophys Acta*. 2018 Sep;1859(9):925-931. doi: 10.1016/j.bbabi.2018.05.005. Epub 2018 May 16. PubMed PMID: 29777685.

27: Foki T, Hitzl D, Pirker W, Novak K, Pusswald G, Lehrner J. Individual cognitive change after DBS-surgery in Parkinson's disease patients using Reliable Change Index Methodology. *Neuropsychiatr*. 2018 May 16. doi: 10.1007/s40211-018-0271-4. [Epub ahead of print] PubMed PMID: 29767379; PubMed Central PMCID: PMC6132487.

28: Mackay A, Burford A, Molinari V, Jones DTW, Izquierdo E, Brouwer-Visser J, Giangaspero F, Haberler C, Pietsch T, Jacques TS, Figarella-Branger D, Rodriguez D, Morgan PS, Raman P, Waanders AJ, Resnick AC, Massimino M, Garrè ML, Smith H, Capper D, Pfister SM, Würdinger T, Tam R, Garcia J, Thakur MD, Vassal G, Grill J, Jaspan T, Varlet P, Jones C. Molecular, Pathological, Radiological, and Immune Profiling of Non-brainstem Pediatric High-Grade Glioma from the HERBY Phase II Randomized Trial. *Cancer Cell*. 2018 May 14;33(5):829-842.e5. doi: 10.1016/j.ccr.2018.04.004. PubMed PMID: 29763623; PubMed Central PMCID: PMC5956280.

29: Pascual JM, Prieto R, Rosdolsky M, Strauss S, Castro-Dufourny I, Hofecker V, Winter E, Carrasco R, Ulrich W. Cystic tumors of the pituitary infundibulum: seminal autopsy specimens (1899 to 1904) that allowed clinical-pathological craniopharyngioma characterization. *Pituitary*. 2018 Aug;21(4):393-405. doi: 10.1007/s11102-018-0889-z. PubMed PMID: 29680871.

30: Koren J, Gritsch G, Pirker S, Herta J, Perko H, Kluge T, Baumgartner C. Automatic ictal onset source localization in presurgical epilepsy evaluation. *Clin Neurophysiol*. 2018 Jun;129(6):1291-1299. doi: 10.1016/j.clinph.2018.03.020. Epub 2018 Apr 6. PubMed PMID: 29680731.

31: Wolpert F, Weller M, Berghoff AS, Rushing E, Füreder LM, Petyt G, Leske H, Andratschke N, Regli L, Neidert MC, Stupp R, Stahel R, Dummer R, Frauenfelder T, Roth P, Reynolds N, Kaufmann PA, Preusser M, Le Rhun E. Diagnostic value of (18)F-fluorodesoxyglucose positron emission tomography for patients with brain metastasis from unknown primary site. *Eur J Cancer*. 2018 Jun;96:64-72. doi: 10.1016/j.ejca.2018.03.010. Epub 2018 Apr 17. PubMed PMID: 29677642.

32: Filbin MG, Tirosh I, Hovestadt V, Shaw ML, Escalante LE, Mathewson ND, Neftel C, Frank N, Pelton K, Hebert CM, Haberler C, Yizhak K, Gojo J, Egervari K, Mount C, van Galen P, Bonal DM, Nguyen QD, Beck A, Sinai C, Czech T, Dorfer C, Goumnerova L, Lavarino C, Carcaboso AM, Mora J, Mylvaganam R, Luo CC, Peyrl A, Popović M, Azizi A, Batchelor TT, Frosch MP, Martinez-Lage M, Kieran MW, Bandopadhyay P, Beroukhim R, Fritsch G, Getz G, Rozenblatt-Rosen O, Wucherpfennig KW, Louis DN, Monje M, Slavc I, Ligon KL, Golub TR, Regev A, Bernstein BE, Suvà ML. Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. *Science*. 2018 Apr 20;360(6386):331-335. doi: 10.1126/science.aaq4750. PubMed PMID: 29674595; PubMed Central PMCID: PMC5949869.

- 33: Herta J, Dorfer C. Surgical treatment for refractory epilepsy. *J Neurosurg Sci.* 2018 Apr 18. doi: 10.23736/S0390-5616.18.04448-X. [Epub ahead of print] PubMed PMID: 29671293.
- 34: Andronesi OC, Arrillaga-Romany IC, Ly KI, Bogner W, Ratai EM, Reitz K, Iafrate AJ, Dietrich J, Gerstner ER, Chi AS, Rosen BR, Wen PY, Cahill DP, Batchelor TT. Pharmacodynamics of mutant-IDH1 inhibitors in glioma patients probed by in vivo 3D MRS imaging of 2-hydroxyglutarate. *Nat Commun.* 2018 Apr 16;9(1):1474. doi: 10.1038/s41467-018-03905-6. PubMed PMID: 29662077; PubMed Central PMCID: PMC5902553.
- 35: Vakharia VN, Sparks R, Rodionov R, Vos SB, Dorfer C, Miller J, Nilsson D, Tisdall M, Wolfsberger S, McEvoy AW, Misericocchi A, Winston GP, O'Keeffe AG, Ourselin S, Duncan JS. Computer-assisted planning for the insertion of stereoelectroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. *J Neurosurg.* 2018 Apr 13:1-10. doi: 10.3171/2017.10.JNS171826. [Epub ahead of print] PubMed PMID: 29652234; PubMed Central PMCID: PMC6076995.
- 36: Al-Serori H, Ferk F, Kundi M, Bileck A, Gerner C, Mišík M, Nersesyan A, Waldherr M, Murbach M, Lah TT, Herold-Mende C, Collins AR, Knasmüller S. Mobile phone specific electromagnetic fields induce transient DNA damage and nucleotide excision repair in serum-deprived human glioblastoma cells. *PLoS One.* 2018 Apr 12;13(4):e0193677. doi: 10.1371/journal.pone.0193677. eCollection 2018. PubMed PMID: 29649215; PubMed Central PMCID: PMC5896905.
- 37: Fox SH, Katzenschlager R, Lim SY, Barton B, de Bie RMA, Seppi K, Coelho M, Sampaio C; Movement Disorder Society Evidence-Based Medicine Committee. International Parkinson and movement disorder society evidence-based medicine review: Update on treatments for the motor symptoms of Parkinson's disease. *Mov Disord.* 2018 Mar 23. doi: 10.1002/mds.27372. [Epub ahead of print] Review. PubMed PMID: 29570866.
- 38: Capper D, Jones DTW, Sill M, Hovestadt V, Schrimpf D, Sturm D, Koelsche C, Sahm F, Chavez L, Reuss DE, Kratz A, Wefers AK, Huang K, Pajtler KW, Schweizer L, Stichel D, Olar A, Engel NW, Lindenberg K, Harter PN, Braczynski AK, Plate KH, Dohmen H, Garvalov BK, Coras R, Hölsken A, Hewer E, Bewerunge-Hudler M, Schick M, Fischer R, Beschorner R, Schittenhelm J, Staszewski O, Wani K, Varlet P, Pages M, Temming P, Lohmann D, Selt F, Witt H, Milde T, Witt O, Aronica E, Giangaspero F, Rushing E, Scheurlen W, Geisenberger C, Rodriguez FJ, Becker A, Preusser M, Haberler C, Bjerkvig R, Cryan J, Farrell M, Deckert M, Hench J, Frank S, Serrano J, Kannan K, Tsirigos A, Brück W, Hofer S, Brehmer S, Seiz-Rosenthal M, Hänggi D, Hans V, Rozsnoki S, Hansford JR, Kohlhof P, Kristensen BW, Lechner M, Lopes B, Mawrin C, Ketter R, Kulozik A, Khatib Z, Heppner F, Koch A, Jouvet A, Keohane C, Mühleisen H, Mueller W, Pohl U, Prinz M, Benner A, Zapatka M, Gottardo NG, Driever PH, Kramm CM, Müller HL, Rutkowski S, von Hoff K, Fröhwald MC, Gnekow A, Fleischhack G, Tippelt S, Calaminus G, Monoranu CM, Perry A, Jones C, Jacques TS, Radlwimmer B, Gessi M, Pietsch T, Schramm J, Schackert G, Westphal M, Reifenberger G, Wesseling P, Weller M, Collins VP, Blümcke I, Bendszus M, Debus J, Huang A, Jabado N, Northcott PA, Paulus W, Gajjar A, Robinson GW, Taylor MD, Jaunmuktane Z, Ryzhova M, Platten M, Unterberg A, Wick W, Karajannis MA, Mittelbronn M, Acker T, Hartmann C, Aldape K, Schüller U, Buslei R, Lichter P, Kool M, Herold-Mende C, Ellison DW, Hasselblatt M, Snuderl M, Brandner S, Korshunov A, von Deimling A, Pfister SM. DNA methylation-based classification of central nervous system tumours. *Nature.* 2018 Mar 22;555(7697):469-474. doi: 10.1038/nature26000. Epub 2018 Mar 14. PubMed PMID: 29539639; PubMed Central PMCID: PMC6093218.
- 39: Valiente M, Ahluwalia MS, Boire A, Brastianos PK, Goldberg SB, Lee EQ, Le Rhun E, Preusser M, Winkler F, Soffietti R. The Evolving Landscape of Brain Metastasis. *Trends Cancer.* 2018 Mar;4(3):176-196. doi: 10.1016/j.trecan.2018.01.003. Epub 2018 Feb 21. Review. PubMed PMID: 29506669.

- 40: Doglietto F, Ferrari M, Mattavelli D, Belotti F, Rampinelli V, Kheshafati H, Lancini D, Schreiber A, Sorrentino T, Ravanelli M, Buffoli B, Hirtler L, Maroldi R, Nicolai P, Rodella LF, Fontanella MM. Transnasal Endoscopic and Lateral Approaches to the Clivus: A Quantitative Anatomic Study. *World Neurosurg.* 2018 May;113:e659-e671. doi: 10.1016/j.wneu.2018.02.118. Epub 2018 Feb 28. PubMed PMID: 29499424.
- 41: Frischer JM, Gruber E, Schöffmann V, Ertl A, Höftberger R, Mallouhi A, Wolfsberger S, Arnoldner C, Eisner W, Knosp E, Kitz K, Gatterbauer B. Long-term outcome after Gamma Knife radiosurgery for acoustic neuroma of all Koos grades: a single-center study. *J Neurosurg.* 2018 Mar 2:1-10. doi: 10.3171/2017.8.JNS171281. [Epub ahead of print] PubMed PMID: 29498575.
- 42: Novak K. Awake craniotomy for vestibular schwannoma. Is it a novel or a first report? *Acta Neurochir (Wien)*. 2018 May;160(5):1041. doi: 10.1007/s00701-018-3506-z. Epub 2018 Feb 28. PubMed PMID: 29492655.
- 43: Dodier P, Frischer JM, Wang WT, Auzinger T, Mallouhi A, Serles W, Gruber A, Knosp E, Bavinzski G. Immediate Flow Disruption as a Prognostic Factor After Flow Diverter Treatment: Long-Term Experience with the Pipeline Embolization Device. *World Neurosurg.* 2018 May;113:e568-e578. doi: 10.1016/j.wneu.2018.02.096. Epub 2018 Feb 23. PubMed PMID: 29477702.
- 44: Sherif C, Krssak M. Evaluation of cerebral aneurysm wall thickness in experimental aneurysms: comparison of 3T-MR imaging with direct microscopic measurements. *Acta Neurochir (Wien)*. 2018 Apr;160(4):759. doi: 10.1007/s00701-018-3476-1. Epub 2018 Feb 23. PubMed PMID: 29476281.
- 45: Soman S, Liu Z, Kim G, Nemec U, Holdsworth SJ, Main K, Lee B, Kolakowsky-Hayner S, Selim M, Furst AJ, Massaband P, Yesavage J, Adamson MM, Spincemallie P, Moseley M, Wang Y. Brain Injury Lesion Imaging Using Preconditioned Quantitative Susceptibility Mapping without Skull Stripping. *AJNR Am J Neuroradiol.* 2018 Apr;39(4):648-653. doi: 10.3174/ajnr.A5550. Epub 2018 Feb 22. PubMed PMID: 29472296; PubMed Central PMCID: PMC5895509.
- 46: Hosmann A, El-Garci A, Gatterbauer B, Bavinzski G, Knosp E, Gruber A. Multimodality Management of Vein of Galen Malformations-An Institutional Experience. *World Neurosurg.* 2018 Apr;112:e837-e847. doi: 10.1016/j.wneu.2018.01.172. Epub 2018 Feb 3. PubMed PMID: 29408495.
- 47: Nitzsche B, Boltze J, Ludewig E, Flegel T, Schmidt MJ, Seeger J, Barthel H, Brooks OW, Gounis MJ, Stoffel MH, Schulze S. A stereotaxic breed-averaged, symmetric T2w canine brain atlas including detailed morphological and volumetrical data sets. *Neuroimage.* 2018 Jan 31. pii: S1053-8119(18)30066-1. doi: 10.1016/j.neuroimage.2018.01.066. [Epub ahead of print] PubMed PMID: 29407456.
- 48: Wang Y, Wang P, Andrukhov O, Wang T, Song S, Yan C, Zhang F. Meta-analysis of the prognostic value of the neutrophil-to-lymphocyte ratio in oral squamous cell carcinoma. *J Oral Pathol Med.* 2018 Apr;47(4):353-358. doi: 10.1111/jop.12688. Epub 2018 Mar 2. PubMed PMID: 29406591.
- 49: 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.
- 50: Bady P, Kurscheid S, Delorenzi M, Gorlia T, van den Bent MJ, Hoang-Xuan K, Vauléon É, Gijtenbeek A, Enting R, Thiessen B, Chinot O, Dhermain F, Brandes AA, Reijneveld JC, Marosi C, Taphoorn MJB, Wick W, von Deimling A, French P, Stupp R, Baumert BG, Hegi ME. The DNA methylome of DDR genes

and benefit from RT or TMZ in IDH mutant low-grade glioma treated in EORTC 22033. *Acta Neuropathol.* 2018 Apr;135(4):601-615. doi: 10.1007/s00401-018-1810-6. Epub 2018 Jan 24. PubMed PMID: 29368212; PubMed Central PMCID: PMC5978935.

51: Azizi AA, Paur S, Kaider A, Dieckmann K, Peyrl A, Chocholous M, Czech T, Slavc I. Does the interval from tumour surgery to radiotherapy influence survival in paediatric high grade glioma? *Strahlenther Onkol.* 2018 Jun;194(6):552-559. doi: 10.1007/s00066-018-1260-z. Epub 2018 Jan 18. PubMed PMID: 29349602; PubMed Central PMCID: PMC5959993.

52: Micko ASG, Höftberger R, Wöhrer A, Millesi M, Knosp E, Wolfsberger S. MGMT assessment in pituitary neuroendocrine tumors: comparison of different immunohistochemistry fixation chemicals. *Pituitary.* 2018 Jun;21(3):266-273. doi: 10.1007/s11102-018-0862-x. PubMed PMID: 29344904; PubMed Central PMCID: PMC5942339.

53: Schenk B, Goerke S, Beer R, Helbok R, Fries D, Bachler M. Four-factor prothrombin complex concentrate improves thrombin generation and prothrombin time in patients with bleeding complications related to rivaroxaban: a single-center pilot trial. *Thromb J.* 2018 Jan 10;16:1. doi: 10.1186/s12959-017-0158-9. eCollection 2018. PubMed PMID: 29344007; PubMed Central PMCID: PMC5763793.

54: Brogna C, Millesi M, Fiengo L, Richardson M, Bhangoo R, Ashkan K, Türe U. Commentary: Giuseppe Campani (1635-1715, Rome, Italy): the First Use of a Microscope in Medicine and Surgery. *Neurosurgery.* 2018 Feb 1;82(2):E58-E64. doi: 10.1093/neuros/nyx572. PubMed PMID: 29240943.

55: Gröppel G, Dorfer C, Dressler A, Mühlebner A, Porsche B, Czech T, Prayer D, Feucht M. Epilepsy surgery in infants : Safety issues and developmental outcome. *Wien Klin Wochenschr.* 2018 May;130(9-10):341-348. doi: 10.1007/s00508-017-1294-8. Epub 2017 Dec 7. PubMed PMID: 29218412.

56: Roetzer KM, Uyanik G, Brehm A, Zwerina J, Zandieh S, Czech T, Roschger P, Misof BM, Klaushofer K. Novel familial mutation of LRP5 causing high bone mass: Genetic analysis, clinical presentation, and characterization of bone matrix mineralization. *Bone.* 2018 Feb;107:154-160. doi: 10.1016/j.bone.2017.12.002. Epub 2017 Dec 5. PubMed PMID: 29208525.

57: Hosmann A, Ritscher LC, Burgmann H, Oesterreicher Z, Jäger W, Poschner S, Knosp E, Reinprecht A, Gruber A, Zeitlinger M. Concentrations of Cefuroxime in Brain Tissue of Neurointensive Care Patients. *Antimicrob Agents Chemother.* 2018 Jan 25;62(2). pii: e02164-17. doi: 10.1128/AAC.02164-17. Print 2018 Feb. PubMed PMID: 29203481; PubMed Central PMCID: PMC5786752.

58: Papp L, Pötsch N, Grahovac M, Schmidbauer V, Woehrer A, Preusser M, Mitterhauser M, Kiesel B, Wadsak W, Beyer T, Hacker M, Traub-Weidinger T. Glioma Survival Prediction with Combined Analysis of In Vivo (11)C-MET PET Features, Ex Vivo Features, and Patient Features by Supervised Machine Learning. *J Nucl Med.* 2018 Jun;59(6):892-899. doi: 10.2967/jnumed.117.202267. Epub 2017 Nov 24. PubMed PMID: 29175980.

59: Kiesel B, Mischkulnig M, Woehrer A, Martinez-Moreno M, Millesi M, Mallouhi A, Czech T, Preusser M, Hainfellner JA, Wolfsberger S, Knosp E, Widhalm G. Systematic histopathological analysis of different 5-aminolevulinic acid-induced fluorescence levels in newly diagnosed glioblastomas. *J Neurosurg.* 2018 Aug;129(2):341-353. doi: 10.3171/2017.4.JNS162991. Epub 2017 Oct 27. PubMed PMID: 29076783.

60: Lewczuk P, Riederer P, O'Bryant SE, Verbeek MM, Dubois B, Visser PJ, Jellinger KA, Engelborghs S,

Ramirez A, Parnetti L, Jack CR Jr, Teunissen CE, Hampel H, Lleó A, Jessen F, Glodzik L, de Leon MJ, Fagan AM, Molinuevo JL, Jansen WJ, Winblad B, Shaw LM, Andreasson U, Otto M, Mollenhauer B, Wilfong J, Turner MR, Zerr I, Handels R, Thompson AG, Johansson G, Ermann N, Trojanowski JQ, Karaca I, Wagner H, Oeckl P, van Waalwijk van Doorn L, Bjerke M, Kapogiannis D, Kuiperij HB, Farotti L, Li Y, Gordon BA, Epelbaum S, Vos SJB, Klijn CJM, Van Nostrand WE, Minguillon C, Schmitz M, Gallo C, Lopez Mato A, Thibaut F, Lista S, Alcolea D, Zetterberg H, Blennow K, Kornhuber J; Members of the WFSBP Task Force Working on this Topic: Peter Riederer, Carla Gallo, Dimitrios Kapogiannis, Andrea Lopez Mato, Florence Thibaut. Cerebrospinal fluid and blood biomarkers for neurodegenerative dementias: An update of the Consensus of the Task Force on Biological Markers in Psychiatry of the World Federation of Societies of Biological Psychiatry. *World J Biol Psychiatry.* 2018 Jun;19(4):244-328. doi: 10.1080/15622975.2017.1375556. Epub 2017 Oct 27. PubMed PMID: 29076399; PubMed Central PMCID: PMC5916324.

61: Dorfer C, Czech T, Aull-Watschinger S, Baumgartner C, Jung R, Kasprian G, Novak K, Pirker S, Seidl B, Stefanits H, Trimmel K, Pataria E. Mesial temporal lobe epilepsy: long-term seizure outcome of patients primarily treated with transsylvian selective amygdalohippocampectomy. *J Neurosurg.* 2018 Jul;129(1):174-181. doi: 10.3171/2017.4.JNS162699. Epub 2017 Oct 13. PubMed PMID: 29027855.

62: Stefanits H, Milenkovic I, Mahr N, Pataria E, Hainfellner JA, Kovacs GG, Sieghart W, Yilmazer-Hanke D, Czech T. GABA(A) receptor subunits in the human amygdala and hippocampus: Immunohistochemical distribution of 7 subunits. *J Comp Neurol.* 2018 Feb 1;526(2):324-348. doi: 10.1002/cne.24337. Epub 2017 Oct 29. PubMed PMID: 29023704.

63: Poetsch N, Woehrer A, Gesperger J, Furtner J, Haug AR, Wilhelm D, Widhalm G, Karanikas G, Weber M, Rausch I, Mitterhauser M, Wadsak W, Hacker M, Preusser M, Traub-Weidinger T. Visual and semiquantitative ¹¹C-methionine PET: an independent prognostic factor for survival of newly diagnosed and treatment-naïve gliomas. *Neuro Oncol.* 2018 Feb 19;20(3):411-419. doi: 10.1093/neuonc/nox177. PubMed PMID: 29016947; PubMed Central PMCID: PMC5817953.

64: Belotti F, Doglietto F, Schreiber A, Ravanelli M, Ferrari M, Lancini D, Rampinelli V, Hirtler L, Buffoli B, Bolzoni Villaret A, Maroldi R, Rodella LF, Nicolai P, Fontanella MM. Modular Classification of Endoscopic Endonasal Transsphenoidal Approaches to Sellar Region: Anatomic Quantitative Study. *World Neurosurg.* 2018 Jan;109:e281-e291. doi: 10.1016/j.wneu.2017.09.165. Epub 2017 Oct 6. PubMed PMID: 28989046.

65: Dorfer C, Khalaveh F, Mallouhi A, Millesi M, Czech T. The Superior Thalamic Vein and its Variations: A Proposed Classification. *Oper Neurosurg (Hagerstown).* 2018 Jun 1;14(6):675-680. doi: 10.1093/ons/opx157. PubMed PMID: 28973580.

66: Pletschko T, Felnhofer A, Lamplmair D, Dorfer C, Czech T, Chocholous M, Slavc I, Leiss U. Cerebellar pilocytic astrocytoma in childhood: Investigating the long-term impact of surgery on cognitive performance and functional outcome. *Dev Neurorehabil.* 2018 Aug;21(6):415-422. doi: 10.1080/17518423.2017.1370502. Epub 2017 Oct 2. PubMed PMID: 28968151; PubMed Central PMCID: PMC6050644.

67: Fichtner J, Hofmann N, Rienmüller A, Buchmann N, Gempt J, Kirschke JS, Ringel F, Meyer B, Ryang YM. Revision Rate of Misplaced Pedicle Screws of the Thoracolumbar Spine-Comparison of Three-Dimensional Fluoroscopy Navigation with Freehand Placement: A Systematic Analysis and Review of the Literature. *World Neurosurg.* 2018 Jan;109:e24-e32. doi: 10.1016/j.wneu.2017.09.091. Epub 2017 Sep 22. PubMed PMID: 28951183.

68: Schreglmann SR, Riederer F, Galovic M, Ganos C, Kägi G, Waldvogel D, Jaunmuktane Z, Schaller A,

Hidding U, Krasemann E, Michels L, Baumann CR, Bhatia K, Jung HH. Movement disorders in genetically confirmed mitochondrial disease and the putative role of the cerebellum. *Mov Disord*. 2018 Jan;33(1):146-155. doi: 10.1002/mds.27174. Epub 2017 Sep 13. PubMed PMID: 28901595.

69: Lewis KM, Sweet J, Wilson ST, Rousselle S, Gulle H, Baumgartner B. Safety and Efficacy of a Novel, Self-Adhering Dural Substitute in a Canine Supratentorial Durotomy Model. *Neurosurgery*. 2018 Mar 1;82(3):397-406. doi: 10.1093/neuros/nyx216. PubMed PMID: 28575349; PubMed Central PMCID: PMC6018778.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**



Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=medical_university_of_vienna

Last update: **2024/06/07 02:55**