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- 1: Borghammar C, Tamaddon A, Erfurth EM, Sundgren PC, Siesjö P, Elfving M, Nilsson M. Non-functioning [pituitary microadenoma](#) in [children](#) and [adolescents](#): Is follow-up with diagnostic imaging necessary? *Endocrine*. 2022 Oct 17. doi: 10.1007/s12020-022-03212-7. Epub ahead of print. PMID: 36251115.
- 2: Al-Husseini A, Fazel Bakhsheshi M, Gard A, Tegner Y, Marklund N. Shorter recovery time in concussed elite ice hockey players by early head-and-neck cooling - a clinical trial. *J Neurotrauma*. 2022 Oct 12. doi: 10.1089/neu.2022.0248. Epub ahead of print. PMID: 36222612.
- 3: Sharma S, Nilsson PM, Östergren PO, Häggman-Henrikson B, List T, Kallen MA. A new instrument for assessing work-related body mechanics and strain in the general population. *J Pain*. 2022 Oct 7:S1526-5900(22)00409-6. doi: 10.1016/j.jpain.2022.09.011. Epub ahead of print. PMID: 36216127.
- 4: Festari C, Massa F, Cotta Ramusino M, Gandolfo F, Nicolosi V, Orini S, Aarsland D, Agosta F, Babiloni C, Boada M, Borroni B, Cappa S, Dubois B, Frederiksen KS, Froelich L, Garibotto V, Georges J, Haliassos A, Hansson O, Jessen F, Kamondi A, Kessels RPC, Morbelli S, O'Brien JT, Otto M, Perret-Liaudet A, Pizzini FB, Ritchie CW, Scheltens P, Vandenbulcke M, Vanninen R, Verhey F, Vernooij MW, Yousry T, Van Der Flier WM, Nobili F, Frisoni GB. European consensus for the diagnosis of MCI and mild dementia: Preparatory phase. *Alzheimers Dement*. 2022 Oct 9. doi: 10.1002/alz.12798. Epub ahead of print. PMID: 36209379.
- 5: Al-Husseini A, Gard A, Fransson PA, Tegner Y, Magnusson M, Marklund N, Tjernström F. Long-term postural control in elite athletes following mild traumatic brain injury. *Front Neurol*. 2022 Sep 12;13:906594. doi: 10.3389/fneur.2022.906594. PMID: 36172026; PMCID: PMC9511028.
- 6: Dietz N, Sharma M, John K, Wang D, Ugiliweneza B, Mokshagundam S, Bjurström MF, Boakye M, Williams BJ, Andaluz N. 90-Day Bundled Payment Simulation, Health Care Utilization, and Complications following Craniopharyngioma Resection in Adult Patients. *J Neurol Surg B Skull Base*. 2021 Dec 16;83(5):515-525. doi: 10.1055/s-0041-1740395. PMID: 36097499; PMCID: PMC9462965.
- 7: Konradsson E, Liljedahl E, Gustafsson E, Adrian G, Beyer S, Ilaahi SE, Petersson K, Ceberg C, Nittby Redebandt H. Comparable Long-Term Tumor Control for Hypofractionated FLASH Versus Conventional Radiation Therapy in an Immunocompetent Rat Glioma Model. *Adv Radiat Oncol*. 2022 Jul 2;7(6):101011. doi: 10.1016/j.adro.2022.101011. PMID: 36092986; PMCID: PMC9449779.
- 8: Bonkhoff AK, Ullberg T, Bretzner M, Hong S, Schirmer MD, Regenhardt RW, Donahue KL, Nardin MJ, Dalca AV, Giese AK, Etherton MR, Hancock BL, Mocking SJT, McIntosh EC, Attia J, Cole JW, Donatti A, Griessenauer CJ, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Kittner SJ, Lemmens R, Levi CR, McDonough CW, Meschia JF, Phuah CL, Ropele S, Rosand J, Roquer J, Rundek T, Sacco RL, Schmidt R, Sharma P, Slowik A, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Woo D, Zand R,

- McArdle PF, Worrall BB, Jern C, Lindgren AG, Maguire J, Wu O, Frid P, Rost NS, Wasselius J. Deep profiling of multiple ischemic lesions in a large, multi-center cohort: Frequency, spatial distribution, and associations to clinical characteristics. *Front Neurosci.* 2022 Aug 25;16:994458. doi: 10.3389/fnins.2022.994458. PMID: 36090258; PMCID: PMC9453031.
- 9: Psychogios M, Brehm A, López-Cancio E, Marco De Marchis G, Meseguer E, Katsanos AH, Kremer C, Sporns P, Zedde M, Kobayashi A, Caroff J, Bos D, Lémeret S, Lal A, Arenillas JF. European Stroke Organisation guidelines on treatment of patients with intracranial atherosclerotic disease. *Eur Stroke J.* 2022 Sep;7(3):III-IV. doi: 10.1177/23969873221099715. Epub 2022 Jun 3. PMID: 36082254; PMCID: PMC9446330.
- 10: Özen I, Mai H, De Maio A, Ruscher K, Michalettos G, Clausen F, Gottschalk M, Ansar S, Arkan S, Erturk A, Marklund N. Purkinje cell vulnerability induced by diffuse traumatic brain injury is linked to disruption of long-range neuronal circuits. *Acta Neuropathol Commun.* 2022 Sep 5;10(1):129. doi: 10.1186/s40478-022-01435-3. PMID: 36064443; PMCID: PMC9446851.
- 11: Li J, Ek F, Olsson R, Belting M, Bengzon J. Glioblastoma CD105⁺ cells define a SOX2⁺ cancer stem cell-like subpopulation in the pre- invasive niche. *Acta Neuropathol Commun.* 2022 Aug 29;10(1):126. doi: 10.1186/s40478-022-01422-8. PMID: 36038950; PMCID: PMC9426031.
- 12: Burman P, Trouillas J, Losa M, McCormack A, Petersenn S, Popovic V, Theodoropoulou M, Raverot G, Dekkers OM; ESE survey collaborators †. Aggressive pituitary tumours and carcinomas, characteristics and management of 171 patients. *Eur J Endocrinol.* 2022 Sep 19;187(4):593-605. doi: 10.1530/EJE-22-0440. PMID: 36018781; PMCID: PMC9513638.
- 13: Bondesson E, Alpar T, Petersson IF, Schelin MEC, Jöud A. Health care utilization among individuals who die by suicide as compared to the general population: a population-based register study in Sweden. *BMC Public Health.* 2022 Aug 25;22(1):1616. doi: 10.1186/s12889-022-14006-x. PMID: 36008801; PMCID: PMC9404588.
- 14: Grover S, Kumar Sreelatha AA, Pihlstrom L, Domenighetti C, Schulte C, Sugier PE, Radivojkov-Blagojevic M, Lichtner P, Mohamed O, Portugal B, Landoulsi Z, May P, Bobbili D, Edsall C, Bartusch F, Hanussek M, Krüger J, Hernandez DG, Blauwendraat C, Mellick GD, Zimprich A, Pirker W, Tan M, Rogaeva E, Lang A, Koks S, Taba P, Lesage S, Brice A, Corvol JC, Chartier-Harlin MC, Mutez E, Brockmann K, Deutschländer AB, Hadjigeorgiou GM, Dardiotis E, Stefanis L, Simitsi AM, Valente EM, Petrucci S, Straniero L, Zecchinelli A, Pezzoli G, Brighina L, Ferrarese C, Annesi G, Quattrone A, Gagliardi M, Burbulla LF, Matsuo H, Kawamura Y, Hattori N, Nishioka K, Chung SJ, Kim YJ, Pavelka L, van de Warrenburg BPC, Bloem BR, Singleton AB, Aasly J, Toft M, Guedes LC, Ferreira JJ, Bardien S, Carr J, Tolosa E, Ezquerra M, Pastor P, Diez-Fairen M, Wirdefeldt K, Pedersen NL, Ran C, Belin AC, Puschmann A, Hellberg C, Clarke CE, Morrison KE, Krainc D, Farrer MJ, Kruger R, Elbaz A, Gasser T, Sharma M; and the Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease (COURAGE- PD) Consortium. Genome-wide Association and Meta-analysis of Age at Onset in Parkinson Disease: Evidence From the COURAGE-PD Consortium. *Neurology.* 2022 Aug 16;99(7):e698-e710. doi: 10.1212/WNL.0000000000200699. Epub 2022 May 26. PMID: 35970579; PMCID: PMC9484604.
- 15: Vedung F, Fahlström M, Wall A, Antoni G, Lubberink M, Johansson J, Tegner Y, Stenson S, Haller S, Weis J, Larsson EM, Marklund N. Chronic cerebral blood flow alterations in traumatic brain injury and sports-related concussions. *Brain Inj.* 2022 Jul 3;36(8):948-960. doi: 10.1080/02699052.2022.2109746. Epub 2022 Aug 10. PMID: 35950271.
- 16: Lehnerer V, Roidl A, Romantsik O, Guzman R, Wellmann S, Bruschettini M. Mesenchymal stem cell

therapy in perinatal arterial ischemic stroke: systematic review of preclinical studies. *Pediatr Res*. 2022 Jul 29. doi: 10.1038/s41390-022-02208-3. Epub ahead of print. PMID: 35906311.

17: Shah VA, Thompson RE, Yenokyan G, Acosta JN, Avadhani R, Dlugash R, McBee N, Li Y, Hansen BM, Ullman N, Falcone G, Awad IA, Hanley DF, Ziai WC. One-Year Outcome Trajectories and Factors Associated with Functional Recovery Among Survivors of Intracerebral and Intraventricular Hemorrhage With Initial Severe Disability. *JAMA Neurol*. 2022 Sep 1;79(9):856-868. doi: 10.1001/jamaneurol.2022.1991. PMID: 35877105; PMCID: PMC9316056.

18: Liljedahl E, Konradsson E, Gustafsson E, Jonsson KF, Olofsson JK, Ceberg C, Redebrandt HN. Long-term anti-tumor effects following both conventional radiotherapy and FLASH in fully immunocompetent animals with glioblastoma. *Sci Rep*. 2022 Jul 19;12(1):12285. doi: 10.1038/s41598-022-16612-6. PMID: 35853933; PMCID: PMC9296533.

19: Domenighetti C, Douillard V, Sugier PE, Sreelatha AAK, Schulte C, Grover S, May P, Bobbili DR, Radivojkov-Blagojevic M, Lichtner P, Singleton AB, Hernandez DG, Edsall C, Gourraud PA, Mellick GD, Zimprich A, Pirker W, Rogaeva E, Lang AE, Koks S, Taba P, Lesage S, Brice A, Corvol JC, Chartier-Harlin MC, Mutez E, Brockmann K, Deutschländer AB, Hadjigeorgiou GM, Dardiotis E, Stefanis L, Simitsi AM, Valente EM, Petrucci S, Duga S, Straniero L, Zecchinelli A, Pezzoli G, Brighina L, Ferrarese C, Annesi G, Quattrone A, Gagliardi M, Matsuo H, Nakayama A, Hattori N, Nishioka K, Chung SJ, Kim YJ, Kolber P, van de Warrenburg BPC, Bloem BR, Aasly J, Toft M, Pihlstrøm L, Correia Guedes L, Ferreira JJ, Bardien S, Carr J, Tolosa E, Ezquerro M, Pastor P, Diez-Fairen M, Wirdefeldt K, Pedersen NL, Ran C, Belin AC, Puschmann A, Ygland Rödström E, Clarke CE, Morrison KE, Tan M, Krainc D, Burbulla LF, Farrer MJ, Krüger R, Gasser T, Sharma M, Vince N, Elbaz A; Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease (Courage-PD) Consortium. The Interaction between HLA-DRB1 and Smoking in Parkinson's Disease Revisited. *Mov Disord*. 2022 Sep;37(9):1929-1937. doi: 10.1002/mds.29133. Epub 2022 Jul 10. PMID: 35810454.

20: Bonkhoff AK, Hong S, Bretzner M, Schirmer MD, Regenhardt RW, Arsava EM, Donahue K, Nardin M, Dalca A, Giese AK, Etherton MR, Hancock BL, Mocking SJT, McIntosh E, Attia J, Benavente O, Cole JW, Donatti A, Griessenauer C, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Kittner S, Lemmens R, Levi C, McDonough CW, Meschia J, Phuah CL, Rolfs A, Ropele S, Rosand J, Roquer J, Rundek T, Sacco RL, Schmidt R, Sharma P, Slowik A, Soederholm M, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Wasselius J, Woo D, Zand R, McArdle P, Worrall BB, Jern C, Lindgren AG, Maguire J, Golland P, Bzdok D, Wu O, Rost NS. Association of Stroke Lesion Pattern and White Matter Hyperintensity Burden With Stroke Severity and Outcome. *Neurology*. 2022 Sep 27;99(13):e1364-e1379. doi: 10.1212/WNL.0000000000200926. Epub 2022 Jul 8. PMID: 35803717.

21: Mee H, Castano Leon A, Timofeev I, Adeleye A, Devi I, Marklund N, Muehlschlegel S, Bond K, Clement C, Grieve K, Owen N, Whiting G, Turner C, Rubiano A, Shukla D, Paul M, Allanson J, Pomeroy V, Viaroli E, Warburton E, Wells A, Hawryluk G, Helmy A, Anwar F, Honeybul S, Hutchinson P, Kolias A. Study Protocol: Core Outcome Set for cranioplasty following stroke or TBI 'COAST Study'. *JMIR Res Protoc*. 2022 Jun 27. doi: 10.2196/37442. Epub ahead of print. PMID: 35759752.

22: Tsitsopoulos PP, Mondello S, Holmström U, Marklund N. Cerebrospinal fluid biomarkers of white matter injury and astrogliosis are associated with the severity and surgical outcome of degenerative cervical spondylotic myelopathy. *Spine J*. 2022 Jun 24:S1529-9430(22)00271-6. doi: 10.1016/j.spinee.2022.06.012. Epub ahead of print. PMID: 35753639.

23: Quist E, Trovato F, Avaliani N, Zetterdahl OG, Gonzalez-Ramos A, Hansen MG, Kokaia M, Canals I, Ahlenius H. Transcription factor-based direct conversion of human fibroblasts to functional astrocytes. *Stem Cell Reports*. 2022 Jul 12;17(7):1620-1635. doi: 10.1016/j.stemcr.2022.05.015. Epub 2022 Jun

23. PMID: 35750047; PMCID: PMC9287681.

24: Latini F, Fahlström M, Fällmar D, Marklund N, Cunningham JL, Feresiadou A. Can diffusion tensor imaging (DTI) outperform standard magnetic resonance imaging (MRI) investigations in post-COVID-19 autoimmune encephalitis? *Ups J Med Sci.* 2022 May 10;127. doi: 10.48101/ujms.v127.8562. PMID: 35722186; PMCID: PMC9169543.

25: Scutelnic A, Krzywicka K, Mbroh J, van de Munckhof A, van Kammen MS, de Sousa DA, Lindgren E, Jood K, Günther A, Hiltunen S, Putaala J, Tiede A, Maier F, Kern R, Bartsch T, Althaus K, Ciccone A, Wiedmann M, Skjelland M, Medina A, Cuadrado-Godia E, Cox T, Aujayeb A, Raposo N, Garambois K, Payen JF, Vuillier F, Franchineau G, Timsit S, Bougon D, Dubois MC, Tawa A, Tracol C, De Maistre E, Bonneville F, Vayne C, Mengel A, Michalski D, Pelz J, Wittstock M, Bode F, Zimmermann J, Schouten J, Buture A, Murphy S, Palma V, Negro A, Gutschalk A, Nagel S, Schoenenberger S, Frisullo G, Zanferrari C, Grillo F, Giammello F, Martin MM, Cervera A, Burrow J, Esperon CG, Chew BLA, Kleinig TJ, Soriano C, Zimatore DS, Petruzzellis M, Elkady A, Miranda MS, Fernandes J, Vogel ÅH, Johansson E, Philip AP, Coutts SB, Bal S, Buck B, Legault C, Blacquièrre D, Katzberg HD, Field TS, Dizonno V, Gattringer T, Jacobi C, Devroye A, Lemmens R, Kristoffersen ES, di Poggio MB, Ghiasian M, Karapanayiotides T, Chatterton S, Wronski M, Ng K, Kahnis R, Geeraerts T, Reiner P, Cordonnier C, Middeldorp S, Levi M, van Gorp ECM, van de Beek D, Brodard J, Kremer Hovinga JA, Kruip MJHA, Tatlisumak T, Ferro JM, Coutinho JM, Arnold M, Poli S, Heldner MR. Management of Cerebral Venous Thrombosis Due to Adenoviral COVID-19 Vaccination. *Ann Neurol.* 2022 Oct;92(4):562-573. doi: 10.1002/ana.26431. Epub 2022 Jul 4. PMID: 35689346; PMCID: PMC9349982.

26: Godina C, Indira Chandran V, Barbachowska M, Tryggvadottir H, Nodin B, Visse E, Borgquist S, Jirström K, Isaksson K, Bosch A, Belting M, Jernström H. Interplay between Caveolin-1 and body and tumor size affects clinical outcomes in breast cancer. *Transl Oncol.* 2022 Aug;22:101464. doi: 10.1016/j.tranon.2022.101464. Epub 2022 Jun 1. PMID: 35660849; PMCID: PMC9166433.

27: Grover S, Ashwin AKS, Pihlstrom L, Domenighetti C, Schulte C, Sugier PE, Radivojkov-Blagojevic M, Lichtner P, Mohamed O, Portugal B, Landoulsi Z, May P, Bobbili D, Edsall C, Bartusch F, Hanussek M, Krüger J, Hernandez DG, Blauwendraat C, Mellick GD, Zimprich A, Pirker W, Tan M, Rogaeva E, Lang A, Koks S, Taba P, Lesage S, Brice A, Corvol JC, Chartier-Harlin MC, Mutez E, Brockmann K, Deutschländer AB, Hadjigeorgiou GM, Dardiotis E, Stefanis L, Simitsi AM, Valente EM, Petrucci S, Straniero L, Zecchinelli A, Pezzoli G, Brighina L, Ferrarese C, Annesi G, Quattrone A, Gagliardi M, Burbulla LF, Matsuo H, Kawamura Y, Hattori N, Nishioka K, Chung SJ, Kim YJ, Pavelka L, van de Warrenburg BP, Bloem BR, Singleton AB, Aasly J, Toft M, Guedes LC, Ferreira JJ, Bardien S, Carr J, Tolosa E, Ezquerra M, Pastor P, Diez-Fairen M, Wirdefeldt K, Pedersen NL, Ran C, Belin AC, Puschmann A, Hellberg C, Clarke CE, Morrison KE, Krainc D, Farrer MJ, Kruger R, Elbaz A, Gasser T, Sharma M; and the Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease (COURAGE- PD) consortium. Genome-wide Association and Meta-analysis of Age-at-Onset in Parkinson Disease: Evidence From COURAGE-PD Consortium. *Neurology.* 2022 May 26;10.1212/WNL.0000000000200699. doi: 10.1212/WNL.0000000000200699. Epub ahead of print. PMID: 35618440.

28: Wolf M, de Jong M, Halldórsson SD, Árnason Ú, Janke A. Genomic Impact of Whaling in North Atlantic Fin Whales. *Mol Biol Evol.* 2022 May 3;39(5):msac094. doi: 10.1093/molbev/msac094. PMID: 35512360; PMCID: PMC9113106.

29: Winberg J, Holm I, Cederberg D, Rundgren M, Kronvall E, Marklund N. Cerebral Microdialysis-Based Interventions Targeting Delayed Cerebral Ischemia Following Aneurysmal Subarachnoid Hemorrhage. *Neurocrit Care.* 2022 Aug;37(1):255-266. doi: 10.1007/s12028-022-01492-5. Epub 2022 Apr 29. PMID: 35488171; PMCID: PMC9283139.

30: Garcia-Moreno H, Prudencio M, Thomas-Black G, Solanky N, Jansen-West KR, Hanna Al-Shaikh R, Heslegrave A, Zetterberg H, Santana MM, Pereira de Almeida L, Vasconcelos-Ferreira A, Januário C, Infante J, Faber J, Klockgether T, Reetz K, Raposo M, Ferreira AF, Lima M, Schöls L, Synofzik M, Hübener-Schmid J, Puschmann A, Gorcenco S, Wszolek ZK, Petrucelli L, Giunti P. Tau and neurofilament light- chain as fluid biomarkers in spinocerebellar ataxia type 3. *Eur J Neurol.* 2022 Aug;29(8):2439-2452. doi: 10.1111/ene.15373. Epub 2022 May 26. PMID: 35478426; PMCID: PMC9543545.

31: Cederberg D, Harrington BM, Vlok AJ, Siesjö P. Effect of antiseecretory factor, given as a food supplement to adult patients with severe traumatic brain injury (SASAT): protocol for an exploratory randomized double blind placebo- controlled trial. *Trials.* 2022 Apr 23;23(1):340. doi: 10.1186/s13063-022-06275-z. PMID: 35461285; PMCID: PMC9034076.

32: Redebrandt HN, Brandt C, Hawran S, Bendix T. Clinical evaluation versus magnetic resonance imaging findings in patients with radicular arm pain-A pragmatic study. *Health Sci Rep.* 2022 Apr 10;5(3):e589. doi: 10.1002/hsr2.589. PMID: 35434382; PMCID: PMC8995534.

33: Kekecs Z, Moss D, Elkins G, De Benedittis G, Palsson OS, Shenefelt PD, Terhune DB, Varga K, Whorwell PJ. Guidelines for the Assessment of Efficacy of Clinical Hypnosis Applications. *Int J Clin Exp Hypn.* 2022 Apr-Jun;70(2):104-122. doi: 10.1080/00207144.2022.2049446. Epub 2022 Mar 22. PMID: 35316157.

34: Kopecky J, Pérez JE, Eriksson H, Visse E, Siesjö P, Darabi A. Intratumoral administration of the antiseecretory peptide AF16 cures murine gliomas and modulates macrophage functions. *Sci Rep.* 2022 Mar 17;12(1):4609. doi: 10.1038/s41598-022-08618-x. PMID: 35301393; PMCID: PMC8930985.

35: Bonkhoff AK, Bretzner M, Hong S, Schirmer MD, Cohen A, Regenhardt RW, Donahue KL, Nardin MJ, Dalca AV, Giese AK, Etherton MR, Hancock BL, Mocking SJT, McIntosh EC, Attia J, Benavente OR, Bevan S, Cole JW, Donatti A, Griessenauer CJ, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Kittner SJ, Lemmens R, Levi CR, McDonough CW, Meschia JF, Phuah CL, Rolfs A, Ropele S, Rosand J, Roquer J, Rundek T, Sacco RL, Schmidt R, Sharma P, Slowik A, Söderholm M, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Wasselius J, Woo D, Zand R, McArdle PF, Worrall BB, Jern C, Lindgren AG, Maguire J, Fox MD, Bzdok D, Wu O, Rost NS; MRI-GENIE and GISCOME Investigators and the International Stroke Genetics Consortium. Sex-specific lesion pattern of functional outcomes after stroke. *Brain Commun.* 2022 Feb 2;4(2):fcac020. doi: 10.1093/braincomms/fcac020. PMID: 35282166; PMCID: PMC8914504.

36: Rydelius A, Lampinen B, Rundcrantz A, Bengzon J, Engelholm S, van Westen D, Kinhult S, Knutsson L, Lätt J, Nilsson M, Sundgren PC. Diffusion tensor imaging in glioblastoma patients treated with volumetric modulated arc radiotherapy: a longitudinal study. *Acta Oncol.* 2022 Jun;61(6):680-687. doi: 10.1080/0284186X.2022.2045036. Epub 2022 Mar 11. PMID: 35275512.

37: Governa V, Talbot H, Gonçalves de Oliveira K, Cerezo-Magaña M, Bång- Rudenstam A, Johansson MC, Månsson AS, Forsberg-Nilsson K, Marko-Varga G, Enríquez Pérez J, Darabi A, Malmström J, Bengzon J, Welinder C, Belting M. Landscape of surfaceome and endocytome in human glioma is divergent and depends on cellular spatial organization. *Proc Natl Acad Sci U S A.* 2022 Mar 1;119(9):e2114456119. doi: 10.1073/pnas.2114456119. PMID: 35217608; PMCID: PMC8892282.

38: Grelz H, Fischer MR, Priouzfard M, Midlöv P, Ringqvist Å. Prevalence of Long-Term Opioid Therapy in a Chronic Non-Cancer Pain Population Attending a University-Based Tertiary Pain Clinic in Sweden: A Cross-Sectional Study. *J Rehabil Med.* 2022 Apr 29;54:jrm00270. doi: 10.2340/jrm.v54.1981. PMID: 35174866; PMCID: PMC9131196.

39: Allen-Philbey K, De Trane S, Mao Z, Álvarez-González C, Mathews J, MacDougall A, Stennett A, Zhou X, Yildiz O, Adams A, Bianchi L, Blain C, Chapman C, Chung K, Constantinescu CS, Dalton C, Farrell RA, Fisniku L, Ford H, Gran B, Hobart J, Khaleeli Z, Mattoscio M, Pavitt S, Pearson O, Peruzzotti-Jametti L, Scalfari A, Sharrack B, Silber E, Tallantyre EC, Webb S, Turner BP, Marta M, Gnanapavan S, Juliusson G, Giovannoni G, Baker D, Schmierer K. Subcutaneous cladribine to treat multiple sclerosis: experience in 208 patients. *Ther Adv Neurol Disord*. 2021 Nov 25;14:17562864211057661. doi: 10.1177/17562864211057661. PMID: 35173808; PMCID: PMC8842147.

40: Gard A, Al-Husseini A, Kornaropoulos EN, De Maio A, Tegner Y, Björkman- Burtscher I, Markenroth Bloch K, Nilsson M, Magnusson M, Marklund N. Post- Concussive Vestibular Dysfunction Is Related to Injury to the Inferior Vestibular Nerve. *J Neurotrauma*. 2022 Mar 7;39(11-12):829-40. doi: 10.1089/neu.2021.0447. Epub ahead of print. PMID: 35171721; PMCID: PMC9225415.

41: Bondesson E, Jöud A, Stigmar K, Ringqvist Å, Kraepelien M, Kaldo V, Wettermark B, Forsell Y, Petersson IF, Schelin MEC. Utilization of healthcare and prescription medicines after non-pharmacological interventions for depression - A 3-year register follow-up of an RCT in primary care. *Prev Med Rep*. 2021 Dec 9;25:101658. doi: 10.1016/j.pmedr.2021.101658. PMID: 35127347; PMCID: PMC8800057.

42: Bjurström MF, Blennow K, Zetterberg H, Bodelsson M, Waldén M, Dietz N, Hall S, Hansson O, Irwin MR, Mattsson-Carlgrén N. Central nervous system monoaminergic activity in hip osteoarthritis patients with disabling pain: associations with pain severity and central sensitization. *Pain Rep*. 2022 Jan 24;7(1):e988. doi: 10.1097/PR9.0000000000000988. PMID: 35097309; PMCID: PMC8789209.

43: Latini F, Fahlström M, Vedung F, Stensson S, Larsson EM, Lubberink M, Tegner Y, Haller S, Johansson J, Wall A, Antoni G, Marklund N. Refined Analysis of Chronic White Matter Changes after Traumatic Brain Injury and Repeated Sports- Related Concussions: Of Use in Targeted Rehabilitative Approaches? *J Clin Med*. 2022 Jan 12;11(2):358. doi: 10.3390/jcm11020358. PMID: 35054052; PMCID: PMC8780504.

44: Özen I, Arkan S, Clausen F, Ruscher K, Marklund N. Diffuse Traumatic Injury in the Mouse Disrupts Axon-Myelin Integrity in the Cerebellum. *J Neurotrauma*. 2022 Mar;39(5-6):411-422. doi: 10.1089/neu.2021.0321. Epub 2022 Jan 25. PMID: 35018831.

45: Domenighetti C, Sugier PE, Ashok Kumar Sreelatha A, Schulte C, Grover S, Mohamed O, Portugal B, May P, Bobbili DR, Radivojkov-Blagojevic M, Lichtner P, Singleton AB, Hernandez DG, Edsall C, Mellick GD, Zimprich A, Pirker W, Rogaeva E, Lang AE, Koks S, Taba P, Lesage S, Brice A, Corvol JC, Chartier-Harlin MC, Mutez E, Brockmann K, Deutschländer AB, Hadjigeorgiou GM, Dardiotis E, Stefanis L, Simitsi AM, Valente EM, Petrucci S, Duga S, Straniero L, Zecchinelli A, Pezzoli G, Brighina L, Ferrarese C, Annesi G, Quattrone A, Gagliardi M, Matsuo H, Kawamura Y, Hattori N, Nishioka K, Chung SJ, Kim YJ, Kolber P, van de Warrenburg BPC, Bloem BR, Aasly J, Toft M, Pihlstrøm L, Correia Guedes L, Ferreira JJ, Bardien S, Carr J, Tolosa E, Ezquerra M, Pastor P, Diez-Fairen M, Wirdefeldt K, Pedersen NL, Ran C, Belin AC, Puschmann A, Hellberg C, Clarke CE, Morrison KE, Tan M, Krainc D, Burbulla LF, Farrer MJ, Krüger R, Gasser T, Sharma M, Elbaz A; Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease (Courage-PD) Consortium. Dairy Intake and Parkinson's Disease: A Mendelian Randomization Study. *Mov Disord*. 2022 Apr;37(4):857-864. doi: 10.1002/mds.28902. Epub 2022 Jan 8. PMID: 34997937.

46: van Iersel L, Mulder RL, Denzer C, Cohen LE, Spoudeas HA, Meacham LR, Sugden E, Schouten-van Meeteren AYN, Hoving EW, Packer RJ, Armstrong GT, Mostoufi-Moab S, Stades AM, van Vuurden D, Janssens GO, Thomas-Teinturier C, Murray RD, Di Iorgi N, Neggers SJCMM, Thompson J, Toogood AA, Gleeson H, Follin C, Bardi E, Torno L, Patterson B, Morsellino V, Sommer G, Clement SC, Srivastava D,

Kiserud CE, Fernandez A, Scheinemann K, Raman S, Yuen KCJ, Wallace WH, Constine LS, Skinner R, Hudson MM, Kremer LCM, Chemaitilly W, van Santen HM. Hypothalamic- Pituitary and Other Endocrine Surveillance Among Childhood Cancer Survivors. *Endocr Rev.* 2022 Sep 26;43(5):794-823. doi: 10.1210/edrev/bnab040. PMID: 34962573.

47: Brabec J, Szczepankiewicz F, Lennartsson F, Englund E, Pebdani H, Bengzon J, Knutsson L, Westin CF, Sundgren PC, Nilsson M. Histogram analysis of tensor- valued diffusion MRI in meningiomas: Relation to consistency, histological grade and type. *Neuroimage Clin.* 2022;33:102912. doi: 10.1016/j.nicl.2021.102912. Epub 2021 Dec 13. PMID: 34922122; PMCID: PMC8688887.

48: Fransson PA, Nilsson MH, Rehnecrona S, Tjernström F, Magnusson M, Johansson R, Patel M. Deep brain stimulation in the subthalamic nuclei alters postural alignment and adaptation in Parkinson's disease. *PLoS One.* 2021 Dec 14;16(12):e0259862. doi: 10.1371/journal.pone.0259862. PMID: 34905546; PMCID: PMC8670690.

49: Patel M, Nilsson MH, Rehnecrona S, Tjernström F, Magnusson M, Johansson R, Fransson PA. Strategic alterations of posture are delayed in Parkinson's disease patients during deep brain stimulation. *Sci Rep.* 2021 Dec 7;11(1):23550. doi: 10.1038/s41598-021-02813-y. PMID: 34876604; PMCID: PMC8651728.

50: Joelson A, Strömqvist F, Sigmundsson FG, Karlsson J. Single item self-rated general health: SF-36 based observations from 16,910 spine surgery procedures. *Qual Life Res.* 2022 Jun;31(6):1819-1828. doi: 10.1007/s11136-021-03048-0. Epub 2021 Nov 26. PMID: 34825299.

51: Munkvold BKR, Solheim O, Bartek J Jr, Corell A, de Dios E, Gulati S, Helseth E, Holmgren K, Jensdottir M, Lundborg M, Mireles EEM, Mahesparan R, Tveiten ØV, Milos P, Redebrandt HN, Pedersen LK, Ramm-Pettersen J, Sjöberg RL, Sjögren B, Sjøvik K, Smits A, Tomasevic G, Vecchio TG, Vik-Mo EO, Zetterling M, Salvesen Ø, Jakola AS. Variations in the management of diffuse low-grade gliomas-A Scandinavian multicenter study. *Neurooncol Pract.* 2021 Sep 4;8(6):706-717. doi: 10.1093/nop/npab054. PMID: 34777840; PMCID: PMC8579093.

52: Werlenius K, Stragliotto G, Strandeus M, Blomstrand M, Carén H, Jakola AS, Rydenhag B, Dyregaard D, Dzhandzhugazyan KN, Kirkin AF, Raida MK, Smits A, Kinhult S. A randomized phase II trial of efficacy and safety of the immunotherapy ALECSAT as an adjunct to radiotherapy and temozolomide for newly diagnosed glioblastoma. *Neurooncol Adv.* 2021 Oct 22;3(1):vdab156. doi: 10.1093/noajnl/vdab156. PMID: 34765977; PMCID: PMC8577524.

53: Dietz N, Mufti Z, Yousaf M, Brown R, Counts C, Bjurström MF, Williams BJ, Robertson D. Acute posterior reversible encephalopathy syndrome (PRES) in setting of interferon-beta use: case presentation with reduction of edema in 72 h after cessation of interferon-beta therapy with sub-clinical inflammation. *BMC Neurol.* 2021 Nov 10;21(1):445. doi: 10.1186/s12883-021-02471-7. PMID: 34758765; PMCID: PMC8582210.

54: Petersson M, Berinder K, Eden Engström B, Tsatsaris E, Ekman B, Wahlberg J, Burman P, Borg H, Siesjö P, Dahlqvist P, Åkerman AK, Ragnarsson O, Olsson M, Förander P, Bensing S, Höybye C. Natural history and surgical outcome of Rathke's cleft cysts-A study from the Swedish Pituitary Registry. *Clin Endocrinol (Oxf).* 2022 Jan;96(1):54-61. doi: 10.1111/cen.14622. Epub 2021 Nov 1. PMID: 34724249.

55: Velásquez E, Szeitz B, Gil J, Rodriguez J, Palkovits M, Renner É, Hortobágyi T, Döme P, Nogueira FC, Marko-Varga G, Domont GB, Rezeli M. Topological Dissection of Proteomic Changes Linked to the Limbic Stage of Alzheimer's Disease. *Front Immunol.* 2021 Oct 12;12:750665. doi: 10.3389/fimmu.2021.750665. PMID: 34712240; PMCID: PMC8546208.

56: Trulsson Schouenborg A, Rivano Fischer M, Bondesson E, Jöud A. Physiotherapist-led rehabilitation for patients with chronic musculoskeletal pain: interventions and promising long-term outcomes. *BMC Musculoskelet Disord*. 2021 Oct 28;22(1):910. doi: 10.1186/s12891-021-04780-x. PMID: 34711194; PMCID: PMC8555237.

57: Mohammed M, Ivica N, Bjartmarz H, Thorbergsson PT, Pettersson LME, Thelin J, Schouenborg J. Microelectrode clusters enable therapeutic deep brain stimulation without noticeable side-effects in a rodent model of Parkinson's disease. *J Neurosci Methods*. 2022 Jan 1;365:109399. doi: 10.1016/j.jneumeth.2021.109399. Epub 2021 Oct 23. PMID: 34695455.

58: Azatyan A, Zhang S, Darabi A, Siesjö P, Wang T, Zaphiropoulos PG. Circular RNAs in Hedgehog Signaling Activation and Hedgehog-Mediated Medulloblastoma Tumors. *Cancers (Basel)*. 2021 Oct 13;13(20):5138. doi: 10.3390/cancers13205138. PMID: 34680287; PMCID: PMC8533754.

59: Domenighetti C, Sugier PE, Sreelatha AAK, Schulte C, Grover S, Mohamed O, Portugal B, May P, Bobbili DR, Radivojkov-Blagojevic M, Lichtner P, Singleton AB, Hernandez DG, Edsall C, Mellick GD, Zimprich A, Pirker W, Rogaeva E, Lang AE, Koks S, Taba P, Lesage S, Brice A, Corvol JC, Chartier-Harlin MC, Mutez E, Brockmann K, Deutschländer AB, Hadjigeorgiou GM, Dardiotis E, Stefanis L, Simitsi AM, Valente EM, Petrucci S, Duga S, Straniero L, Zecchinelli A, Pezzoli G, Brighina L, Ferrarese C, Annesi G, Quattrone A, Gagliardi M, Matsuo H, Kawamura Y, Hattori N, Nishioka K, Chung SJ, Kim YJ, Kolber P, van de Warrenburg BP, Bloem BR, Aasly J, Toft M, Pihlstrøm L, Guedes LC, Ferreira JJ, Bardien S, Carr J, Tolosa E, Ezquerra M, Pastor P, Diez-Fairen M, Wirdefeldt K, Pedersen NL, Ran C, Belin AC, Puschmann A, Hellberg C, Clarke CE, Morrison KE, Tan M, Krainc D, Burbulla LF, Farrer MJ, Krüger R, Gasser T, Sharma M, Elbaz A; Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease (Courage-PD) consortium. Mendelian Randomisation Study of Smoking, Alcohol, and Coffee Drinking in Relation to Parkinson's Disease. *J Parkinsons Dis*. 2022;12(1):267-282. doi: 10.3233/JPD-212851. PMID: 34633332; PMCID: PMC9211765.

60: Rivano Fischer M, Stålnacke BM. Comment on 'The value of interdisciplinary treatment for sickness absence in chronic pain: A nationwide register-based cohort study'. *Eur J Pain*. 2022 Feb;26(2):543-544. doi: 10.1002/ejp.1873. Epub 2021 Oct 27. PMID: 34626140.

61: Godina C, Khazaei S, Tryggvadottir H, Visse E, Nodin B, Jirström K, Borgquist S, Bosch A, Isaksson K, Jernström H. Prognostic impact of tumor- specific insulin-like growth factor binding protein 7 (IGFBP7) levels in breast cancer: a prospective cohort study. *Carcinogenesis*. 2021 Nov 12;42(11):1314-1325. doi: 10.1093/carcin/bgab090. PMID: 34606580; PMCID: PMC8598394.

62: Sánchez van Kammen M, Aguiar de Sousa D, Poli S, Cordonnier C, Heldner MR, van de Munckhof A, Krzywicka K, van Haaps T, Ciccone A, Middeldorp S, Levi MM, Kremer Hovinga JA, Silvis S, Hiltunen S, Mansour M, Arauz A, Barboza MA, Field TS, Tsivgoulis G, Nagel S, Lindgren E, Tatlisumak T, Jood K, Putaala J, Ferro JM, Arnold M, Coutinho JM; Cerebral Venous Sinus Thrombosis With Thrombocytopenia Syndrome Study Group, Sharma AR, Elkady A, Negro A, Günther A, Gutschalk A, Schönenberger S, Buture A, Murphy S, Paiva Nunes A, Tiede A, Puthuppallil Philip A, Mengel A, Medina A, Hellström Vogel Å, Tawa A, Aujayeb A, Casolla B, Buck B, Zanferrari C, Garcia-Esperon C, Vayne C, Legault C, Pfrepper C, Tracol C, Soriano C, Guisado-Alonso D, Bougon D, Zimatore DS, Michalski D, Blacquiére D, Johansson E, Cuadrado-Godia E, De Maistre E, Carrera E, Vuillier F, Bonneville F, Giammello F, Bode FJ, Zimmerman J, d'Onofrio F, Grillo F, Cotton F, Caparros F, Puy L, Maier F, Gulli G, Frisullo G, Polkinghorne G, Franchineau G, Cangür H, Katzberg H, Sibon I, Baharoglu I, Brar J, Payen JF, Burrow J, Fernandes J, Schouten J, Althaus K, Garambois K, Derex L, Humbertjean L, Lebrato Hernandez L, Kellermair L, Morin Martin M, Petruzzellis M, Cotelli M, Dubois MC, Carvalho M, Wittstock M, Miranda M, Skjelland M, Bandettini di Poggio M, Scholz MJ, Raposo N, Kahnis R, Kruyt N, Huet O, Sharma P, Candelaresi P, Reiner P, Vieira R, Acampora R, Kern R, Leker R, Coutts S, Bal S, Sharma SS, Susen S,

Cox T, Geeraerts T, Gattringer T, Bartsch T, Kleinig TJ, Dizonno V, Arslan Y. Characteristics and Outcomes of Patients With Cerebral Venous Sinus Thrombosis in SARS-CoV-2 Vaccine-Induced Immune Thrombotic Thrombocytopenia. *JAMA Neurol.* 2021 Nov 1;78(11):1314-1323. doi: 10.1001/jamaneurol.2021.3619. PMID: 34581763; PMCID: PMC8479648.

63: Hong S, Giese AK, Schirmer MD, Bonkhoff AK, Bretzner M, Rist P, Dalca AV, Regenhardt RW, Etherton MR, Donahue KL, Nardin M, Mocking SJT, McIntosh EC, Attia J, Benavente OR, Cole JW, Donatti A, Griessenauer CJ, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Roquer J, Kittner SJ, Lemmens R, Levi CR, McDonough CW, Meschia JF, Phuah CL, Rolfs A, Ropele S, Rosand J, Rundek T, Sacco RL, Schmidt R, Enzinger C, Sharma P, Slowik A, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Wasselius J, Woo D, Zand R, McArdle PF, Worrall BB, Wu O, Jern C, Lindgren AG, Maguire J, Tomppo L, Golland P, Rost NS; MRI- GENIE and GISCOME Investigators and the International Stroke Genetics Consortium. Excessive White Matter Hyperintensity Increases Susceptibility to Poor Functional Outcomes After Acute Ischemic Stroke. *Front Neurol.* 2021 Sep 10;12:700616. doi: 10.3389/fneur.2021.700616. PMID: 34566844; PMCID: PMC8461233.

64: Chrcanovic B, Larsson J, Malmström EM, Westergren H, Häggman-Henrikson B. Exercise therapy for whiplash-associated disorders: a systematic review and meta-analysis. *Scand J Pain.* 2021 Sep 27;22(2):232-261. doi: 10.1515/sjpain-2021-0064. PMID: 34561976.

65: Árnason Ú. The unidirectional phylogeny of *Homo sapiens* anchors the origin of modern humans in Eurasia. *Hereditas.* 2021 Sep 14;158(1):36. doi: 10.1186/s41065-021-00197-7. PMID: 34521476; PMCID: PMC8442309.

66: Stenberg L, Hazer Rosberg DB, Kohyama S, Suganuma S, Dahlin LB. Injury- Induced HSP27 Expression in Peripheral Nervous Tissue Is Not Associated with Any Alteration in Axonal Outgrowth after Immediate or Delayed Nerve Repair. *Int J Mol Sci.* 2021 Aug 11;22(16):8624. doi: 10.3390/ijms22168624. PMID: 34445330; PMCID: PMC8395341.

67: Tobieson L, Zetterberg H, Blennow K, Marklund N. Extracellular fluid, cerebrospinal fluid and plasma biomarkers of axonal and neuronal injury following intracerebral hemorrhage. *Sci Rep.* 2021 Aug 20;11(1):16950. doi: 10.1038/s41598-021-96364-x. PMID: 34417515; PMCID: PMC8379247.

68: Bretzner M, Bonkhoff AK, Schirmer MD, Hong S, Dalca AV, Donahue KL, Giese AK, Etherton MR, Rist PM, Nardin M, Marinescu R, Wang C, Regenhardt RW, Leclerc X, Lopes R, Benavente OR, Cole JW, Donatti A, Griessenauer CJ, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Kittner SJ, Lemmens R, Levi CR, McArdle PF, McDonough CW, Meschia JF, Phuah CL, Rolfs A, Ropele S, Rosand J, Roquer J, Rundek T, Sacco RL, Schmidt R, Sharma P, Slowik A, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Wasselius J, Woo D, Wu O, Zand R, Worrall BB, Maguire JM, Lindgren A, Jern C, Golland P, Kuchcinski G, Rost NS. MRI Radiomic Signature of White Matter Hyperintensities Is Associated With Clinical Phenotypes. *Front Neurosci.* 2021 Jul 12;15:691244. doi: 10.3389/fnins.2021.691244. PMID: 34321995; PMCID: PMC8312571.

69: Henrik G, Patrik M, Anders H, Ulf J, Marcelo RF, Åsa R. Tapering of prescribed opioids in patients with long-term non-malignant pain (TOPIO)-efficacy and effects on pain, pain cognitions, and quality of life: a study protocol for a randomized controlled clinical trial with a 12-month follow-up. *Trials.* 2021 Jul 28;22(1):503. doi: 10.1186/s13063-021-05449-5. PMID: 34321058; PMCID: PMC8318331.

70: Hazer Rosberg DB, Hazer B, Stenberg L, Dahlin LB. Gold and Cobalt Oxide Nanoparticles Modified Poly-Propylene Poly-Ethylene Glycol Membranes in Poly (ϵ -Caprolactone) Conduits Enhance Nerve Regeneration in the Sciatic Nerve of Healthy Rats. *Int J Mol Sci.* 2021 Jul 1;22(13):7146. doi: 10.3390/ijms22137146. PMID: 34281198; PMCID: PMC8268459.

71: Rivano Fischer M, Schult ML, Löfgren M, Stålnacke BM. Do quality of life, anxiety, depression and acceptance improve after interdisciplinary pain rehabilitation? A multicentre matched control study of acceptance and commitment therapy-based versus cognitive-behavioural therapy-based programmes. *J Int Med Res.* 2021 Jul;49(7):3000605211027435. doi: 10.1177/03000605211027435. PMID: 34275375; PMCID: PMC8293856.

72: Abu Hamdeh S, Tenovuo O, Peul W, Marklund N. "Omics" in traumatic brain injury: novel approaches to a complex disease. *Acta Neurochir (Wien).* 2021 Sep;163(9):2581-2594. doi: 10.1007/s00701-021-04928-7. Epub 2021 Jul 17. PMID: 34273044; PMCID: PMC8357753.

73: Hägglund G, Hollung SJ, Ahonen M, Andersen GL, Eggertsdóttir G, Gaston MS, Jahnsen R, Jeglinsky-Kankainen I, Nordbye-Nielsen K, Tresoldi I, Alriksson-Schmidt AI. Treatment of spasticity in children and adolescents with cerebral palsy in Northern Europe: a CP-North registry study. *BMC Neurol.* 2021 Jul 12;21(1):276. doi: 10.1186/s12883-021-02289-3. PMID: 34253183; PMCID: PMC8274039.

74: Brogårdh C, Hammarlund CS, Eek F, Stigmar K, Lindgren I, Schouenborg AT, Hansson EE. Self-Perceived Life Satisfaction during the First Wave of the COVID-19 Pandemic in Sweden: A Cross-Sectional Study. *Int J Environ Res Public Health.* 2021 Jun 9;18(12):6234. doi: 10.3390/ijerph18126234. PMID: 34207621; PMCID: PMC8296066.

75: Eskilsson A, Ageberg E, Ericson H, Marklund N, Anderberg L. Decompression of the greater occipital nerve improves outcome in patients with chronic headache and neck pain - a retrospective cohort study. *Acta Neurochir (Wien).* 2021 Sep;163(9):2425-2433. doi: 10.1007/s00701-021-04913-0. Epub 2021 Jul 1. PMID: 34195861; PMCID: PMC8357752.

76: Hazer DB, Acarbaş A, Rosberg HE. Addendum: The outcome of epiduroscopy treatment in patients with chronic low back pain and radicular pain, operated or non-operated for lumbar disc herniation: a retrospective study in 88 patients. *Korean J Pain.* 2021 Jul 1;34(3):371. doi: 10.3344/kjp.2021.34.3.371. Erratum for: *Korean J Pain.* 31:109. PMID: 34193643; PMCID: PMC8255159.

77: Dong HJ, Dragioti E, Rivano Fischer M, Gerdle B. Lose Pain, Lose Weight, and Lose Both: A Cohort Study of Patients with Chronic Pain and Obesity Using a National Quality Registry. *J Pain Res.* 2021 Jun 21;14:1863-1873. doi: 10.2147/JPR.S305399. PMID: 34188533; PMCID: PMC8232849.

78: Jónsson GG, Marklund N, Blennow K, Zetterberg H, Wanhainen A, Lindström D, Eriksson J, Mani K. Dynamics of Selected Biomarkers in Cerebrospinal Fluid During Complex Endovascular Aortic Repair - A Pilot Study. *Ann Vasc Surg.* 2022 Jan;78:141-151. doi: 10.1016/j.avsg.2021.04.034. Epub 2021 Jun 24. PMID: 34175417.

79: Gard A, Tegner Y, Bakhsheshi MF, Marklund N. Selective head-neck cooling after concussion shortens return-to-play in ice hockey players. *Concussion.* 2021 Apr 15;6(2):CNC90. doi: 10.2217/cnc-2021-0002. PMID: 34084556; PMCID: PMC8162197.

80: Bonkhoff AK, Schirmer MD, Bretzner M, Hong S, Regenhardt RW, Brudfors M, Donahue KL, Nardin MJ, Dalca AV, Giese AK, Etherton MR, Hancock BL, Mocking SJT, McIntosh EC, Attia J, Benavente OR, Bevan S, Cole JW, Donatti A, Griessenauer CJ, Heitsch L, Holmegaard L, Jood K, Jimenez-Conde J, Kittner SJ, Lemmens R, Levi CR, McDonough CW, Meschia JF, Phuah CL, Rolfs A, Ropele S, Rosand J, Roquer J, Rundek T, Sacco RL, Schmidt R, Sharma P, Slowik A, Söderholm M, Sousa A, Stanne TM, Strbian D, Tatlisumak T, Thijs V, Vagal A, Wasselius J, Woo D, Zand R, McArdle PF, Worrall BB, Jern C, Lindgren AG, Maguire J, Bzdok D, Wu O; MRI-GENIE and GISCOME Investigators and the International Stroke Genetics Consortium, Rost NS. Outcome after acute ischemic stroke is linked to sex-specific

lesion patterns. *Nat Commun.* 2021 Jun 2;12(1):3289. doi: 10.1038/s41467-021-23492-3. PMID: 34078897; PMCID: PMC8172535.

81: Leuzy A, Pascoal TA, Strandberg O, Insel P, Smith R, Mattsson-Carlgrén N, Benedet AL, Cho H, Lyoo CH, La Joie R, Rabinovici GD, Ossenkoppele R, Rosa-Neto P, Hansson O. A multicenter comparison of [¹⁸F]flortaucipir, [¹⁸F]RO948, and [¹⁸F]MK6240 tau PET tracers to detect a common target ROI for differential diagnosis. *Eur J Nucl Med Mol Imaging.* 2021 Jul;48(7):2295-2305. doi: 10.1007/s00259-021-05401-4. Epub 2021 May 27. PMID: 34041562; PMCID: PMC8175317.

82: Bakalkin G, Nosova O, Sarkisyan D, Hallberg M, Zhang M, Schouenborg J, Marklund N, Watanabe H. Unilateral traumatic brain injury of the left and right hemisphere produces the left hindlimb response in rats. *Exp Brain Res.* 2021 Jul;239(7):2221-2232. doi: 10.1007/s00221-021-06118-4. Epub 2021 May 22. PMID: 34021800; PMCID: PMC8282563.

83: Latini F, Fahlström M, Marklund N, Feresiadou A. White matter abnormalities in a patient with visual snow syndrome: New evidence from a diffusion tensor imaging study. *Eur J Neurol.* 2021 Aug;28(8):2789-2793. doi: 10.1111/ene.14903. Epub 2021 May 28. PMID: 33960084.

84: Marklund N, Vedung F, Lubberink M, Tegner Y, Johansson J, Blennow K, Zetterberg H, Fahlström M, Haller S, Stenson S, Larsson EM, Wall A, Antoni G. Tau aggregation and increased neuroinflammation in athletes after sports-related concussions and in traumatic brain injury patients - A PET/MR study. *Neuroimage Clin.* 2021;30:102665. doi: 10.1016/j.nicl.2021.102665. Epub 2021 Apr 7. PMID: 33894460; PMCID: PMC8091173.

85: Dietz N, Sharma M, Adams S, Ugiliweneza B, Wang D, Bjurström MF, Karikari I, Drazin D, Boakye M. Health Care Utilization and Associated Economic Burden of Postoperative Surgical Site Infection after Spinal Surgery with Follow-Up of 24 Months. *J Neurol Surg A Cent Eur Neurosurg.* 2021 Apr 12. doi: 10.1055/s-0040-1720984. Epub ahead of print. PMID: 33845504.

86: Lindberg K, Grozman V, Karlsson K, Lindberg S, Lax I, Wersäll P, Persson GF, Josipovic M, Khalil AA, Moeller DS, Nyman J, Drugge N, Bergström P, Olofsson J, Rogg LV, Ramberg C, Kristiansen C, Jeppesen SS, Nielsen TB, Löden B, Rosenbrand HO, Engelholm S, Haraldsson A, Billiet C, Lewensohn R. The HILUS-Trial-a Prospective Nordic Multicenter Phase 2 Study of Ultracentral Lung Tumors Treated With Stereotactic Body Radiotherapy. *J Thorac Oncol.* 2021 Jul;16(7):1200-1210. doi: 10.1016/j.jtho.2021.03.019. Epub 2021 Apr 3. PMID: 33823286.

87: Traylor M, Persyn E, Tomppo L, Klasson S, Abedi V, Bakker MK, Torres N, Li L, Bell S, Rutten-Jacobs L, Tozer DJ, Griessenauer CJ, Zhang Y, Pedersen A, Sharma P, Jimenez-Conde J, Rundek T, Grewal RP, Lindgren A, Meschia JF, Salomaa V, Havulinna A, Kourkoulis C, Crawford K, Marini S, Mitchell BD, Kittner SJ, Rosand J, Dichgans M, Jern C, Strbian D, Fernandez-Cadenas I, Zand R, Ruigrok Y, Rost N, Lemmens R, Rothwell PM, Anderson CD, Wardlaw J, Lewis CM, Markus HS; Helsinki Stroke, Study Dutch Parelinoer Institute-Cerebrovascular Accident (CVA) Study Group; National Institute of Neurological Disorders and Stroke (NINDS) Stroke Genetics Network; UK DNA Lacunar Stroke Study Investigators; International Stroke Genetics Consortium. Genetic basis of lacunar stroke: a pooled analysis of individual patient data and genome-wide association studies. *Lancet Neurol.* 2021 May;20(5):351-361. doi: 10.1016/S1474-4422(21)00031-4. Epub 2021 Mar 25. PMID: 33773637; PMCID: PMC8062914.

88: Patel M, Nilsson MH, Rehnström S, Tjernström F, Magnusson M, Johansson R, Fransson PA. Spectral analysis of body movement during deep brain stimulation in Parkinson's disease. *Gait Posture.* 2021 May;86:217-225. doi: 10.1016/j.gaitpost.2021.03.023. Epub 2021 Mar 18. PMID: 33765547.

- 89: Gerdle B, Cervin M, Rivano Fischer M, Ringqvist Å. Outcomes of Interdisciplinary Pain Rehabilitation Across Subgroups of the Multidimensional Pain Inventory - A Study From the Swedish Quality Registry for Pain Rehabilitation. *Pain Pract.* 2021 Jul;21(6):662-679. doi: 10.1111/papr.13007. Epub 2021 May 4. PMID: 33759355.
- 90: Lindgren AG, Braun RG, Juhl Majersik J, Clatworthy P, Mainali S, Derdeyn CP, Maguire J, Jern C, Rosand J, Cole JW, Lee JM, Khatri P, Nyquist P, Debette S, Keat Wei L, Rundek T, Leifer D, Thijs V, Lemmens R, Heitsch L, Prasad K, Jimenez Conde J, Dichgans M, Rost NS, Cramer SC, Bernhardt J, Worrall BB, Fernandez- Cadenas I; International Stroke Genetics Consortium. International stroke genetics consortium recommendations for studies of genetics of stroke outcome and recovery. *Int J Stroke.* 2022 Mar;17(3):260-268. doi: 10.1177/17474930211007288. Epub 2021 Apr 26. PMID: 33739214; PMCID: PMC8864333.
- 91: Svendsen K, Guénot D, Svensson JB, Petersson K, Persson A, Lundh O. A focused very high energy electron beam for fractionated stereotactic radiotherapy. *Sci Rep.* 2021 Mar 12;11(1):5844. doi: 10.1038/s41598-021-85451-8. PMID: 33712653; PMCID: PMC7971008.
- 92: Ehinger JK, Karlsson M, Sjövall F, Leffler M, McCormack SE, Kubis SE, Åkesson A, Falk MJ, Kilbaugh TJ. Predictors of outcome in children with disorders of mitochondrial metabolism in the pediatric intensive care unit. *Pediatr Res.* 2021 Dec;90(6):1221-1227. doi: 10.1038/s41390-021-01410-z. Epub 2021 Feb 24. PMID: 33627817; PMCID: PMC7903037.
- 93: Hallén T, Olsson DS, Farahmand D, Esposito D, Olofsson AC, Jakobsson S, Jakobsson Ung E, Sahlstrand-Johnson P, Johannsson G, Skoglund T, Bergquist H. Sinonasal Symptoms and Self-Reported Health before and after Endoscopic Pituitary Surgery-A Prospective Study. *J Neurol Surg B Skull Base.* 2021 Feb 18;83(Suppl 2):e160-e168. doi: 10.1055/s-0041-1722929. PMID: 35832966; PMCID: PMC9272326.
- 94: Malmström EM, Ekvall Hansson E, Hafström A, Magnusson M, Fransson PA. Co- morbidities to Vestibular Impairments-Some Concomitant Disorders in Young and Older Adults. *Front Neurol.* 2021 Jan 27;11:609928. doi: 10.3389/fneur.2020.609928. PMID: 33584509; PMCID: PMC7873354.
- 95: Gerdle B, Rivano Fischer M, Cervin M, Ringqvist Å. Spreading of Pain in Patients with Chronic Pain is Related to Pain Duration and Clinical Presentation and Weakly Associated with Outcomes of Interdisciplinary Pain Rehabilitation: A Cohort Study from the Swedish Quality Registry for Pain Rehabilitation (SQRP). *J Pain Res.* 2021 Jan 28;14:173-187. doi: 10.2147/JPR.S288638. PMID: 33542650; PMCID: PMC7850976.
- 96: Parsons BA, Goonewardene S, Dabestani S, Pacheco-Figueiredo L, Yuan Y, Zumstein V, Cottrell AM, Borovicka J, Dinis-Oliveira P, Berghmans B, Elneil S, Hughes J, Messelink BEJ, de C Williams AC, Baranowski AP, Engeler DS. The Benefits and Harms of Botulinum Toxin-A in the Treatment of Chronic Pelvic Pain Syndromes: A Systematic Review by the European Association of Urology Chronic Pelvic Pain Panel. *Eur Urol Focus.* 2022 Jan;8(1):320-338. doi: 10.1016/j.euf.2021.01.005. Epub 2021 Jan 30. PMID: 33526405.
- 97: Tsitsopoulos PP, Holmström U, Blennow K, Zetterberg H, Marklund N. Cerebrospinal fluid biomarkers of glial and axonal injury in cervical spondylotic myelopathy. *J Neurosurg Spine.* 2021 Jan 29;34(4):632-641. doi: 10.3171/2020.8.SPINE20965. PMID: 33513577.
- 98: Irestorm E, Ora I, Linge H, Tonning Olsson I. Cognitive Fatigue and Processing Speed in Children Treated for Brain Tumours. *J Int Neuropsychol Soc.* 2021 Oct;27(9):865-874. doi: 10.1017/S1355617720001332. Epub 2021 Jan 14. PMID: 33441219.

99: Förnvik K, Maddahi A, Liljedahl E, Osther K, Salford LG, Redebrandt HN. What is the role of CRP in glioblastoma? *Cancer Treat Res Commun*. 2021;26:100293. doi: 10.1016/j.ctarc.2020.100293. Epub 2020 Dec 24. PMID: 33385735.

100: Durmo F, Rydhög A, Testud F, Lätt J, Schmitt B, Rydelius A, Englund E, Bengzon J, van Zijl P, Knutsson L, Sundgren PC. Assessment of Amide proton transfer weighted (APTw) MRI for pre-surgical prediction of final diagnosis in gliomas. *PLoS One*. 2020 Dec 29;15(12):e0244003. doi: 10.1371/journal.pone.0244003. Erratum in: *PLoS One*. 2021 Apr 8;16(4):e0250189. PMID: 33373375; PMCID: PMC7771875.

101: Krantz MM, Åström M, Drake AM. STRENGTH AND FATIGUE MEASUREMENTS OF THE HIP FLEXOR AND HIP EXTENSOR MUSCLES: TEST-RETEST RELIABILITY AND LIMB DOMINANCE EFFECT. *Int J Sports Phys Ther*. 2020 Dec;15(6):967-976. doi: 10.26603/ijsp20200967. PMID: 33344013; PMCID: PMC7727414.

102: Bruzelius A, Hidalgo I, Boza-Serrano A, Hjelmér AG, Tison A, Deierborg T, Bengzon J, Ramos-Moreno T. The human bone marrow harbors a CD45⁻ CD11B⁺ cell progenitor permitting rapid microglia-like cell derivative approaches. *Stem Cells Transl Med*. 2021 Apr;10(4):582-597. doi: 10.1002/sctm.20-0127. Epub 2020 Dec 9. PMID: 33295698; PMCID: PMC7980218.

103: Lundkvist Josenby A, Westbom L. No support that early selective dorsal rhizotomy increase frequency of scoliosis and spinal pain - a longitudinal population-based register study from four to 25 years of age. *BMC Musculoskelet Disord*. 2020 Nov 27;21(1):782. doi: 10.1186/s12891-020-03782-5. PMID: 33246436; PMCID: PMC7697382.

104: Ossenkoppele R, Leuzy A, Cho H, Sudre CH, Strandberg O, Smith R, Palmqvist S, Mattsson-Carlgrén N, Olsson T, Jögi J, Stormrud E, Ryu YH, Choi JY; Alzheimer's Disease Neuroimaging Initiative; PREVENT-AD research group, Boxer AL, Gorno-Tempini ML, Miller BL, Soleimani-Meigooni D, Iaccarino L, La Joie R, Borroni E, Klein G, Pontecorvo MJ, Devous MD Sr, Villeneuve S, Lyoo CH, Rabinovici GD, Hansson O. The impact of demographic, clinical, genetic, and imaging variables on tau PET status. *Eur J Nucl Med Mol Imaging*. 2021 Jul;48(7):2245-2258. doi: 10.1007/s00259-020-05099-w. Epub 2020 Nov 19. PMID: 33215319; PMCID: PMC8131404.

105: Abu Hamdeh S, Ciuculete DM, Sarkisyan D, Bakalkin G, Ingelsson M, Schiöth HB, Marklund N. Differential DNA Methylation of the Genes for Amyloid Precursor Protein, Tau, and Neurofilaments in Human Traumatic Brain Injury. *J Neurotrauma*. 2021 Jun 15;38(12):1679-1688. doi: 10.1089/neu.2020.7283. Epub 2021 Jan 8. PMID: 33191850.

106: Casar-Borota O, Boldt HB, Engström BE, Andersen MS, Baussart B, Bengtsson D, Berinder K, Ekman B, Feldt-Rasmussen U, Höybye C, Jørgensen JOL, Kolnes AJ, Korbonits M, Rasmussen ÅK, Lindsay JR, Loughrey PB, Maiter D, Manojlovic-Gacic E, Pahnke J, Poliani PL, Popovic V, Ragnarsson O, Schalin-Jäntti C, Scheie D, Tóth M, Villa C, Wirenfeldt M, Kunicki J, Burman P. Corticotroph Aggressive Pituitary Tumors and Carcinomas Frequently Harbor ATRX Mutations. *J Clin Endocrinol Metab*. 2021 Mar 25;106(4):1183-1194. doi: 10.1210/clinem/dgaa749. PMID: 33106857; PMCID: PMC7993578.

107: Prudencio M, Garcia-Moreno H, Jansen-West KR, Al-Shaikh RH, Gendron TF, Heckman MG, Spiegel MR, Carlomagno Y, Daugherty LM, Song Y, Dunmore JA, Byron N, Oskarsson B, Nicholson KA, Staff NP, Gorcenco S, Puschmann A, Lemos J, Januário C, LeDoux MS, Friedman JH, Polke J, Labrum R, Shakkottai V, McLoughlin HS, Paulson HL, Konno T, Onodera O, Ikeuchi T, Tada M, Kakita A, Fryer JD, Karremo C, Gomes I, Caviness JN, Pittelkow MR, Aasly J, Pfeiffer RF, Veerappan V, Eggenberger ER, Freeman WD, Huang JF, Uitti RJ, Wierenga KJ, Marin Collazo IV, Tipton PW, van Gerpen JA, van Blitterswijk M, Bu G, Wszolek ZK, Giunti P, Petrucelli L. Toward allele-specific targeting therapy and

- pharmacodynamic marker for spinocerebellar ataxia type 3. *Sci Transl Med*. 2020 Oct 21;12(566):eabb7086. doi: 10.1126/scitranslmed.abb7086. PMID: 33087504; PMCID: PMC7927160.
- 108: Hänni S, Vedung F, Tegner Y, Marklund N, Johansson J. Soccer-Related Concussions Among Swedish Elite Soccer Players: A Descriptive Study of 1,030 Players. *Front Neurol*. 2020 Sep 23;11:510800. doi: 10.3389/fneur.2020.510800. PMID: 33071939; PMCID: PMC7538773.
- 109: Gard A, Lehto N, Engström Å, Shahim P, Zetterberg H, Blennow K, Marklund N, Tegner Y. Quality of life of ice hockey players after retirement due to concussions. *Concussion*. 2020 Aug 4;5(3):CNC78. doi: 10.2217/cnc-2020-0007. PMID: 33005437; PMCID: PMC7506471.
- 110: Dong HJ, Larsson B, Rivano Fischer M, Gerdle B. Facing obesity in pain rehabilitation clinics: Profiles of physical activity in patients with chronic pain and obesity-A study from the Swedish Quality Registry for Pain Rehabilitation (SQRP). *PLoS One*. 2020 Sep 28;15(9):e0239818. doi: 10.1371/journal.pone.0239818. PMID: 32986777; PMCID: PMC7521725.
- 111: Costa B, Manzoni C, Bernal-Quiros M, Kia DA, Aguilar M, Alvarez I, Alvarez V, Andreassen O, Anfossi M, Bagnoli S, Benussi L, Bernardi L, Binetti G, Blackburn D, Boada M, Borroni B, Bowns L, Bråthen G, Bruni AC, Chiang HH, Clarimon J, Colville S, Conidi ME, Cope TE, Cruchaga C, Cupidi C, Di Battista ME, Diehl-Schmid J, Diez-Fairen M, Dols-Icardo O, Durante E, Flisar D, Frangipane F, Galimberti D, Gallo M, Gallucci M, Ghidoni R, Graff C, Grafman JH, Grossman M, Hardy J, Hernández I, Holloway GJT, Huey ED, Illán-Gala I, Karydas A, Khoshnood B, Kramberger MG, Kristiansen M, Lewis PA, Lleó A, Madhan GK, Maletta R, Maver A, Menendez-Gonzalez M, Milan G, Miller B, Mol MO, Momeni P, Moreno-Grau S, Morris CM, Nacmias B, Nilsson C, Novelli V, Öijerstedt L, Padovani A, Pal S, Panchbhaya Y, Pastor P, Peterlin B, Piaceri I, Pickering- Brown S, Pijnenburg YAL, Puca AA, Rainero I, Rendina A, Richardson AMT, Rogaeva E, Rogelj B, Rollinson S, Rossi G, Rossmeyer C, Rowe JB, Rubino E, Ruiz A, Sanchez-Valle R, Sando SB, Santillo AF, Saxon J, Scarpini E, Serpente M, Smirne N, Sorbi S, Suh E, Tagliavini F, Thompson JC, Trojanowski JQ, Van Deerlin VM, Van der Zee J, Van Broeckhoven C, van Rooij J, Van Swieten JC, Veronesi A, Vitale E, Waldö ML, Woodward C, Yokoyama J, Escott-Price V, Polke JM, Ferrari R; International FTD-Genetics Consortium. *C9orf72*, age at onset, and ancestry help discriminate behavioral from language variants in FTL cohorts. *Neurology*. 2020 Dec 15;95(24):e3288-e3302. doi: 10.1212/WNL.0000000000010914. Epub 2020 Sep 17. PMID: 32943482; PMCID: PMC7836664.
- 112: Li W, Lao-Kaim NP, Roussakis AA, Martín-Bastida A, Valle-Guzman N, Paul G, Soreq E, Daws RE, Foltynie T, Barker RA, Hampshire A, Piccini P. Longitudinal functional connectivity changes related to dopaminergic decline in Parkinson's disease. *Neuroimage Clin*. 2020;28:102409. doi: 10.1016/j.nicl.2020.102409. Epub 2020 Sep 2. PMID: 32916466; PMCID: PMC7490914.
- 113: Canbek U, Rosberg DBH, Rosberg HE, Canbek TD, Akgün U, Comert A. The effect of age, BMI, and bone mineral density on the various lumbar vertebral measurements in females. *Surg Radiol Anat*. 2021 Jan;43(1):101-108. doi: 10.1007/s00276-020-02560-1. Epub 2020 Sep 2. PMID: 32876743.
- 114: Rydelius A, Lätt J, Kinhult S, Engelholm S, Van Westen D, Pihlsgård M, Bengzon J, Sundgren PC, Lilja Å. Longitudinal study of cognitive function in glioma patients treated with modern radiotherapy techniques and standard chemotherapy. *Acta Oncol*. 2020 Sep;59(9):1091-1097. doi: 10.1080/0284186X.2020.1778181. Epub 2020 Jun 17. PMID: 32847475.
- 115: Susanto E, Marin Navarro A, Zhou L, Sundström A, van Bree N, Stantic M, Moslem M, Tailor J, Rietdijk J, Zubillaga V, Hübner JM, Weishaupt H, Wolfsberger J, Alafuzoff I, Nordgren A, Magnaldo T, Siesjö P, Johnsen JI, Kool M, Tammimies K, Darabi A, Swartling FJ, Falk A, Wilhelm M. Modeling SHH-driven medulloblastoma with patient iPS cell-derived neural stem cells. *Proc Natl Acad Sci U S A*. 2020

Aug 18;117(33):20127-20138. doi: 10.1073/pnas.1920521117. Epub 2020 Aug 3. PMID: 32747535; PMCID: PMC7443968.

116: Tobieson L, Czifra Z, Wåhlén K, Marklund N, Ghafouri B. Proteomic investigation of protein adsorption to cerebral microdialysis membranes in surgically treated intracerebral hemorrhage patients - a pilot study. *Proteome Sci.* 2020 Jul 25;18:7. doi: 10.1186/s12953-020-00163-7. PMID: 32728348; PMCID: PMC7382826.

117: Gerdle B, Boersma K, Åsenlöf P, Stålnacke BM, Larsson B, Ringqvist Å. Influences of Sex, Education, and Country of Birth on Clinical Presentations and Overall Outcomes of Interdisciplinary Pain Rehabilitation in Chronic Pain Patients: A Cohort Study from the Swedish Quality Registry for Pain Rehabilitation (SQRP). *J Clin Med.* 2020 Jul 25;9(8):2374. doi: 10.3390/jcm9082374. PMID: 32722367; PMCID: PMC7466148.

118: Patel M, Nilsson MH, Rehncrona S, Tjernström F, Magnusson M, Johansson R, Fransson PA. Effects of Deep Brain Stimulation on Postural Control in Parkinson's Disease. *Comput Biol Med.* 2020 Jul;122:103828. doi: 10.1016/j.combiomed.2020.103828. Epub 2020 May 29. PMID: 32658731.

119: Lorenzano S, Kremer C, Pavlovic A, Jovanovic DR, Sandset EC, Christensen H, Bushnell C, Arsovska A, Sprigg N, Roffe C, Ijäs P, Gdovinova Z, Alexandrov A, Zedde M, Tassi R, Acciaresi M, Lantz M, Sunnerhagen K, Zarkov M, Rantanen K, Perren F, Iversen HK, Kruuse C, Slowik A, Palazzo P, Korv J, Fromm A, Lovrencic-Huzjan A, Korompoki E, Fonseca AC, Gall SL, Brunner F, Caso V, Sacco S; SiPP Trial Investigators and ESO-WISE Group. SiPP (Stroke in Pregnancy and Postpartum): A prospective, observational, international, multicentre study on pathophysiological mechanisms, clinical profile, management and outcome of cerebrovascular diseases in pregnant and postpartum women. *Eur Stroke J.* 2020 Jun;5(2):193-203. doi: 10.1177/2396987319893512. Epub 2019 Dec 6. PMID: 32637653; PMCID: PMC7313370.

120: Lantz A, Holmer H, Finlayson SRG, Ricketts TC, Watters DA, Gruen RL, Johnson WD, Hagander L. Measuring the migration of surgical specialists. *Surgery.* 2020 Sep;168(3):550-557. doi: 10.1016/j.surg.2020.04.014. Epub 2020 Jul 1. PMID: 32620304.

121: Holmström U, Tsitsopoulos PP, Holtz A, Salci K, Shaw G, Mondello S, Marklund N. Cerebrospinal fluid levels of GFAP and pNF-H are elevated in patients with chronic spinal cord injury and neurological deterioration. *Acta Neurochir (Wien).* 2020 Sep;162(9):2075-2086. doi: 10.1007/s00701-020-04422-6. Epub 2020 Jun 25. PMID: 32588294; PMCID: PMC7415026.

122: Erfurth EM. Diagnosis, Background, and Treatment of Hypothalamic Damage in Craniopharyngioma. *Neuroendocrinology.* 2020;110(9-10):767-779. doi: 10.1159/000509616. Epub 2020 Jun 24. PMID: 32580186; PMCID: PMC7490511.

123: Saridakis N, Koumantzia C, Libard S, Marklund N, Eleftheriou A. Intramedullary holocord mature teratoma in an adult- case report and review of the literature. *Clin Neurol Neurosurg.* 2020 Aug;195:105925. doi: 10.1016/j.clineuro.2020.105925. Epub 2020 May 17. PMID: 32473578.

124: Tsitsopoulos PP, Marklund N, Rostami E, Enblad P, Hillered L. Association of the bleeding time test with aspects of traumatic brain injury in patients with alcohol use disorder. *Acta Neurochir (Wien).* 2020 Jul;162(7):1597-1606. doi: 10.1007/s00701-020-04373-y. Epub 2020 May 18. PMID: 32424564; PMCID: PMC7232602.

125: Fransson PA, Nilsson MH, Niehorster DC, Nyström M, Rehncrona S, Tjernström F, Magnusson M, Johansson R, Patel M. Exploring the effects of deep brain stimulation and vision on tremor in Parkinson's disease - benefits from objective methods. *J Neuroeng Rehabil.* 2020 Apr 25;17(1):56. doi:

10.1186/s12984-020-00677-3. PMID: 32334622; PMCID: PMC7183594.

126: Magistroni E, Parodi G, Fop F, Battiston B, Dahlin LB. Cold intolerance and neuropathic pain after peripheral nerve injury in upper extremity. *J Peripher Nerv Syst.* 2020 Jun;25(2):184-190. doi: 10.1111/jns.12376. Epub 2020 Apr 28. PMID: 32297385.

127: Falcone GJ, Kirsch E, Acosta JN, Noche RB, Leasure A, Marini S, Chung J, Selim M, Meschia JF, Brown DL, Worrall BB, Tirschwell DL, Jagiella JM, Schmidt H, Jimenez-Conde J, Fernandez-Cadenas I, Lindgren A, Slowik A, Gill D, Holmes M, Phuah CL, Petersen NH, Matouk Md CN, Gunel M, Sansing L, Bennett D, Chen Z, Sun LL, Clarke R, Walters RG, Gill TM, Biffi A, Kathiresan S, Langefeld CD, Woo D, Rosand J, Sheth KN, Anderson CD; International Stroke Genetics Consortium. Genetically Elevated LDL Associates with Lower Risk of Intracerebral Hemorrhage. *Ann Neurol.* 2020 Jul;88(1):56-66. doi: 10.1002/ana.25740. Epub 2020 May 7. PMID: 32277781; PMCID: PMC7523882.

128: Raatiniemi L, Magnusson V, Hyldmo PK, Friesgaard KD, Kongstad P, Kurola J, Larsen R, Rehn M, Rognås L, Sandberg M, Vist GE. Femoral nerve blocks for the treatment of acute pre-hospital pain: A systematic review with meta-analysis. *Acta Anaesthesiol Scand.* 2020 Sep;64(8):1038-1047. doi: 10.1111/aas.13600. Epub 2020 Apr 24. PMID: 32270488.

129: Uvelius E, Siesjö P. 3-D endoscopy in surgery of pituitary neuroendocrine tumors, prospective evaluation of patient gain using basic outcome parameters. *J Clin Neurosci.* 2020 Jun;76:166-170. doi: 10.1016/j.jocn.2020.03.026. Epub 2020 Apr 4. PMID: 32253144.

130: Clark D, Joannides A, Ibrahim Abdallah O, Olufemi Adeleye A, Hafid Bajamal A, Bashford T, Bhebhe A, Biluts H, Budohoska N, Budohoski K, Cherian I, Marklund N, Fernandez Mendez R, Figaji T, Kumar Gupta D, Iaccarino C, Ilunga A, Joseph M, Khan T, Laeke T, Waran V, Park K, Rosseau G, Rubiano A, Saleh Y, Shabani HK, Smith B, Sichizya K, Tewari M, Tirsit A, Thu M, Tripathi M, Trivedi R, Villar S, Devi Bhagavatula I, Servadei F, Menon D, Kolias A, Hutchinson P; Global Neurotrauma Outcomes Study (GNOS) collaborative. Management and outcomes following emergency surgery for traumatic brain injury - A multi-centre, international, prospective cohort study (the Global Neurotrauma Outcomes Study). *Int J Surg Protoc.* 2020 Feb 28;20:1-7. doi: 10.1016/j.isjp.2020.02.001. PMID: 32211566; PMCID: PMC7082548.

131: Cederberg D, Hansson HA, Visse E, Siesjö P. Antisecretory Factor May Reduce ICP in Severe TBI-A Case Series. *Front Neurol.* 2020 Mar 6;11:95. doi: 10.3389/fneur.2020.00095. PMID: 32210902; PMCID: PMC7067821.

132: Vedung F, Hänni S, Tegner Y, Johansson J, Marklund N. Concussion incidence and recovery in Swedish elite soccer - Prolonged recovery in female players. *Scand J Med Sci Sports.* 2020 May;30(5):947-957. doi: 10.1111/sms.13644. Epub 2020 Mar 12. PMID: 32100894.

133: Fokkens WJ, Lund VJ, Hopkins C, Hellings PW, Kern R, Reitsma S, Toppila-Salmi S, Bernal-Sprekelsen M, Mullol J, Alobid I, Terezinha Anselmo-Lima W, Bachert C, Baroody F, von Buchwald C, Cervin A, Cohen N, Constantinidis J, De Gabor L, Desrosiers M, Diamant Z, Douglas RG, Gevaert PH, Hafner A, Harvey RJ, Joos GF, Kalogjera L, Knill A, Kocks JH, Landis BN, Limpens J, Lebeer S, Lourenco O, Meco C, Matricardi PM, O'Mahony L, Philpott CM, Ryan D, Schlosser R, Senior B, Smith TL, Teeling T, Tomazic PV, Wang DY, Wang D, Zhang L, Agius AM, Ahlstrom-Emanuelsson C, Alabri R, Albu S, Alhabash S, Aleksic A, Aloulah M, Al-Qudah M, Alsaleh S, Baban MA, Baudoin T, Balvers T, Battaglia P, Bedoya JD, Beule A, Bofares KM, Braverman I, Brozek-Madry E, Richard B, Callejas C, Carrie S, Caulley L, Chussi D, de Corso E, Coste A, El Hadi U, Elfouk A, Eloy PH, Farrokhi S, Felisati G, Ferrari MD, Fishchuk R, Grayson W, Goncalves PM, Grdinic B, Grgic V, Hamizan AW, Heinichen JV, Husain S, Ping TI, Ivaska J, Jakimovska F, Jovancevic L, Kakande E, Kamel R, Karpischenko S, Kariyawasam HH,

Kawauchi H, Kjeldsen A, Klimek L, Krzeski A, Kopacheva Barsova G, Kim SW, Lal D, Letort JJ, Lopatin A, Mahdjoubi A, Mesbahi A, Netkovski J, Nyenbue Tshipukane D, Obando- Valverde A, Okano M, Onerci M, Ong YK, Orlandi R, Otori N, Ouennoughy K, Ozkan M, Peric A, Plzak J, Prokopakis E, Prepageran N, Psaltis A, Pugin B, Raftopoulos M, Rombaux P, Riechelmann H, Sahtout S, Sarafoleanu CC, Searyoh K, Rhee CS, Shi J, Shkoukani M, Shukuryan AK, Sicak M, Smyth D, Sindvongs K, Soklic Kosak T, Stjerne P, Sutikno B, Steinsvag S, Tantilipikorn P, Thanaviratananich S, Tran T, Urbancic J, Valiulius A, Vasquez de Aparicio C, Vicheva D, Virkkula PM, Vicente G, Voegels R, Wagenmann MM, Wardani RS, Welge-Lussen A, Witterick I, Wright E, Zabolotniy D, Zsolt B, Zwetsloot CP. European Position Paper on Rhinosinusitis and Nasal Polyps 2020. *Rhinology*. 2020 Feb 20;58(Suppl S29):1-464. doi: 10.4193/Rhin20.600. PMID: 32077450.

134: Janowska JI, Piel S, Saliba N, Kim CD, Jang DH, Karlsson M, Kilbaugh TJ, Ehinger JK. Mitochondrial respiratory chain complex I dysfunction induced by N-methyl carbamate ex vivo can be alleviated with a cell-permeable succinate prodrug. *Toxicol In Vitro*. 2020 Jun;65:104794. doi: 10.1016/j.tiv.2020.104794. Epub 2020 Feb 11. PMID: 32057835; PMCID: PMC7152559.

135: Hansen BM, Ullman N, Muschelli J, Norrving B, Dlugash R, Avadhani R, Awad I, Zuccarello M, Ziai WC, Hanley DF, Thompson RE, Lindgren A; MISTIE and CLEAR Investigators. Relationship of White Matter Lesions with Intracerebral Hemorrhage Expansion and Functional Outcome: MISTIE II and CLEAR III. *Neurocrit Care*. 2020 Oct;33(2):516-524. doi: 10.1007/s12028-020-00916-4. PMID: 32026447; PMCID: PMC7416541.

136: Ahlstedt J, Förnvik K, Helms G, Salford LG, Ceberg C, Skagerberg G, Redebrandt HN. Growth pattern of experimental glioblastoma. *Histol Histopathol*. 2020 Aug;35(8):871-886. doi: 10.14670/HH-18-207. Epub 2020 Feb 5. PMID: 32022242.

137: Bjurström MF, Mattsson N, Harsten A, Dietz N, Bodelsson M. Acute reduction of cerebrospinal fluid volume prior to spinal anesthesia: implications for sensory block extent. *Minerva Anesthesiol*. 2020 Jun;86(6):636-644. doi: 10.23736/S0375-9393.20.14138-5. Epub 2020 Jan 30. PMID: 32013330.

138: Sandset EC, de Sousa DA, Christensen H, Cordonnier C, Fischer U, Katan M, Kremer C, Pavlovic A, Sprigg N, Bart van der Worp H, Zedde M, Caso V. Women in the European Stroke Organisation: One, two, many... - A <i>Top Down</i> and <i>Bottom Up</i> approach. *Eur Stroke J*. 2019 Sep;4(3):247-253. doi: 10.1177/2396987319841979. Epub 2019 Apr 9. PMID: 31984232; PMCID: PMC6960690.

139: Cederberg D, Marklund N, Nittby Redebrandt H. Extreme intracranial pressure elevation > 90 mmHg in an awake patient with primary CNS lymphoma-case report. *Acta Neurochir (Wien)*. 2020 Aug;162(8):1819-1823. doi: 10.1007/s00701-020-04231-x. Epub 2020 Jan 22. PMID: 31965320; PMCID: PMC7360534.

140: Enríquez Pérez J, Kopecky J, Visse E, Darabi A, Siesjö P. Convection- enhanced delivery of temozolomide and whole cell tumor immunizations in GL261 and KR158 experimental mouse gliomas. *BMC Cancer*. 2020 Jan 3;20(1):7. doi: 10.1186/s12885-019-6502-7. PMID: 31900109; PMCID: PMC6942363.

141: Malmström EM, Magnusson M, Holmberg J, Karlberg M, Fransson PA. Dizziness and localized pain are often concurrent in patients with balance or psychological disorders. *Scand J Pain*. 2020 Apr 28;20(2):353-362. doi: 10.1515/sjpain-2019-0121. PMID: 31881001.

142: Larsson J, Westergren H, Häggman-Henrikson B, Ilgunas A, Wänman A, Malmström EM. The feasibility of gym-based exercise therapy for patients with persistent neck pain. *Scand J Pain*. 2020

Apr 28;20(2):261-272. doi: 10.1515/sjpain-2019-0085. PMID: 31811812.

143: Bondesson E, Olofsson T, Caverius U, Schelin MEC, Jöud A. Consultation prevalence among children, adolescents and young adults with pain conditions: A description of age- and gender differences. *Eur J Pain*. 2020 Mar;24(3):649-658. doi: 10.1002/ejp.1518. Epub 2019 Dec 26. PMID: 31797468.

144: Schmidt AF, Holmes MV, Preiss D, Swerdlow DI, Denaxas S, Fatemifar G, Faraway R, Finan C, Valentine D, Fairhurst-Hunter Z, Hartwig FP, Horta BL, Hypponen E, Power C, Moldovan M, van Iperen E, Hovingh K, Demuth I, Norman K, Steinhagen-Thiessen E, Demuth J, Bertram L, Lill CM, Coassin S, Willeit J, Kiechl S, Willeit K, Mason D, Wright J, Morris R, Wanamethee G, Whincup P, Ben-Shlomo Y, McLachlan S, Price JF, Kivimäki M, Welch C, Sanchez-Galvez A, Marques-Vidal P, Nicolaides A, Panayiotou AG, Onland-Moret NC, van der Schouw YT, Matullo G, Fiorito G, Guarrera S, Sacerdote C, Wareham NJ, Langenberg C, Scott RA, Luan J, Bobak M, Malyutina S, Paják A, Kubinova R, Tamosiunas A, Pikhart H, Grarup N, Pedersen O, Hansen T, Linneberg A, Jess T, Cooper J, Humphries SE, Brilliant M, Kitchner T, Hakonarson H, Carrell DS, McCarty CA, Lester KH, Larson EB, Crosslin DR, de Andrade M, Roden DM, Denny JC, Carty C, Hancock S, Attia J, Holliday E, Scott R, Schofield P, O'Donnell M, Yusuf S, Chong M, Pare G, van der Harst P, Said MA, Eppinga RN, Verweij N, Snieder H; Lifelines Cohort authors, Christen T, Mook-Kanamori DO; ICBP Consortium, Gustafsson S, Lind L, Ingelsson E, Pazoki R, Franco O, Hofman A, Uitterlinden A, Dehghan A, Teumer A, Baumeister S, Dörr M, Lerch MM, Völker U, Völzke H, Ward J, Pell JP, Meade T, Christophersen IE, Maitland-van der Zee AH, Baranova EV, Young R, Ford I, Campbell A, Padmanabhan S, Bots ML, Grobbee DE, Froguel P, Thuillier D, Roussel R, Bonnefond A, Cariou B, Smart M, Bao Y, Kumari M, Mahajan A, Hopewell JC, Seshadri S; METASTROKE Consortium of the ISGC, Dale C, Costa RPE, Ridker PM, Chasman DI, Reiner AP, Ritchie MD, Lange LA, Cornish AJ, Dobbins SE, Hemminki K, Kinnersley B, Sanson M, Labreche K, Simon M, Bondy M, Law P, Speedy H, Allan J, Li N, Went M, Weinhold N, Morgan G, Sonneveld P, Nilsson B, Goldschmidt H, Sud A, Engert A, Hansson M, Hemingway H, Asselbergs FW, Patel RS, Keating BJ, Sattar N, Houlston R, Casas JP, Hingorani AD. Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9. *BMC Cardiovasc Disord*. 2019 Oct 29;19(1):240. doi: 10.1186/s12872-019-1187-z. PMID: 31664920; PMCID: PMC6820948.

145: Jalakas M, Palmqvist S, Hall S, Svärd D, Lindberg O, Pereira JB, van Westen D, Hansson O. A quick test of cognitive speed can predict development of dementia in Parkinson's disease. *Sci Rep*. 2019 Oct 28;9(1):15417. doi: 10.1038/s41598-019-51505-1. PMID: 31659172; PMCID: PMC6817840.

146: Malmström A, Łysiak M, Åkesson L, Jakobsen I, Mudaisi M, Milos P, Hallbeck M, Fomichov V, Broholm H, Grunnet K, Poulsen HS, Bratthäll C, Strandeus M, Papagiannopoulou A, Stenmark-Askmal M, Green H, Söderkvist P. ABCB1 single-nucleotide variants and survival in patients with glioblastoma treated with radiotherapy concomitant with temozolomide. *Pharmacogenomics J*. 2020 Apr;20(2):213-219. doi: 10.1038/s41397-019-0107-z. Epub 2019 Oct 17. PMID: 31624332.

147: Osther K, Förnvik K, Liljedahl E, Salford LG, Redebrandt HN. Upregulation of C1-inhibitor in pancreatic cancer. *Oncotarget*. 2019 Oct 1;10(55):5703-5712. doi: 10.18632/oncotarget.27191. PMID: 31620245; PMCID: PMC6779287.

148: Ekman L, Thrainsdóttir S, Englund E, Thomsen N, Rosén I, Hazer Rosberg DB, Petersson J, Eriksson KF, Dahlin LB. Evaluation of small nerve fiber dysfunction in type 2 diabetes. *Acta Neurol Scand*. 2020 Jan;141(1):38-46. doi: 10.1111/ane.13171. Epub 2019 Oct 9. PMID: 31549387.

149: Fahlström A, Nittby Redebrandt H, Zeberg H, Bartek J Jr, Bartley A, Tobieson L, Erkki M, Hessington A, Troberg E, Mirza S, Tsitsopoulos PP, Marklund N. A grading scale for surgically treated patients with spontaneous supratentorial intracerebral hemorrhage: the Surgical Swedish ICH Score. *J*

Neurosurg. 2019 Aug 23;1-8. doi: 10.3171/2019.5.JNS19622. Epub ahead of print. PMID: 31443074.

150: Dong HJ, Larsson B, Rivano Fischer M, Gerdle B. Maintenance of quality of life improvement for patients with chronic pain and obesity after interdisciplinary multimodal pain rehabilitation - A study using the Swedish Quality Registry for Pain Rehabilitation. *Eur J Pain*. 2019 Nov;23(10):1839-1849. doi: 10.1002/ejp.1457. Epub 2019 Aug 8. PMID: 31343806.

151: Unnerbäck M, Ottesen JT, Reinstrup P. Validation of a mathematical model for understanding intracranial pressure curve morphology. *J Clin Monit Comput*. 2020 Jun;34(3):469-481. doi: 10.1007/s10877-019-00342-8. Epub 2019 Jul 1. PMID: 31264130; PMCID: PMC7205852.

152: Unnerbäck M, Ottesen JT, Reinstrup P. Increased Intracranial Pressure Attenuates the Pulsating Component of Cerebral Venous Outflow. *Neurocrit Care*. 2019 Oct;31(2):273-279. doi: 10.1007/s12028-019-00733-4. PMID: 31240621; PMCID: PMC6757136.

153: Ringqvist Å, Dragioti E, Björk M, Larsson B, Gerdle B. Moderate and Stable Pain Reductions as a Result of Interdisciplinary Pain Rehabilitation-A Cohort Study from the Swedish Quality Registry for Pain Rehabilitation (SQRP). *J Clin Med*. 2019 Jun 24;8(6):905. doi: 10.3390/jcm8060905. PMID: 31238588; PMCID: PMC6617026.

154: Offer S, Menard JA, Pérez JE, de Oliveira KG, Chandran VI, Johansson MC, Bång-Rudenstam A, Siesjö P, Ebbesson A, Hedenfalk I, Sundgren PC, Darabi A, Belting M. Extracellular lipid loading augments hypoxic paracrine signaling and promotes glioma angiogenesis and macrophage infiltration. *J Exp Clin Cancer Res*. 2019 Jun 7;38(1):241. doi: 10.1186/s13046-019-1228-6. PMID: 31174567; PMCID: PMC6556032.

155: Larrosa Pardo F, Bondesson E, Schelin MEC, Jöud A. A diagnosis of rheumatoid arthritis, endometriosis or IBD is associated with later onset of fibromyalgia and chronic widespread pain. *Eur J Pain*. 2019 Sep;23(8):1563-1573. doi: 10.1002/ejp.1432. Epub 2019 Jun 17. PMID: 31131959.

156: Mohanty T, Fisher J, Bakochi A, Neumann A, Cardoso JFP, Karlsson CAQ, Pavan C, Lundgaard I, Nilson B, Reinstrup P, Bonnevier J, Cederberg D, Malmström J, Bentzer P, Linder A. Neutrophil extracellular traps in the central nervous system hinder bacterial clearance during pneumococcal meningitis. *Nat Commun*. 2019 Apr 10;10(1):1667. doi: 10.1038/s41467-019-09040-0. PMID: 30971685; PMCID: PMC6458182.

157: Agn M, Munck Af Rosenschöld P, Puonti O, Lundemann MJ, Mancini L, Papadaki A, Thust S, Ashburner J, Law I, Van Leemput K. A modality-adaptive method for segmenting brain tumors and organs-at-risk in radiation therapy planning. *Med Image Anal*. 2019 May;54:220-237. doi: 10.1016/j.media.2019.03.005. Epub 2019 Mar 22. PMID: 30952038; PMCID: PMC6554451.

158: Enríquez Pérez J, Fritzell S, Kopecky J, Visse E, Darabi A, Siesjö P. The effect of locally delivered cisplatin is dependent on an intact immune function in an experimental glioma model. *Sci Rep*. 2019 Apr 4;9(1):5632. doi: 10.1038/s41598-019-42001-7. PMID: 30948731; PMCID: PMC6449367.

159: Tjernström F, Fransson PA, Kahlon B, Karlberg M, Lindberg S, Siesjö P, Magnusson M. Different Visual Weighting due to Fast or Slow Vestibular Deafferentation: Before and after Schwannoma Surgery. *Neural Plast*. 2019 Feb 18;2019:4826238. doi: 10.1155/2019/4826238. PMID: 30911290; PMCID: PMC6398006.

160: Patel RS, Schmidt AF, Tragante V, McCubrey RO, Holmes MV, Howe LJ, Direk K, Åkerblom A, Leander K, Virani SS, Kaminski KA, Muehlschlegel JD, Dubé MP, Allayee H, Almgren P, Alver M, Baranova EV, Behloul H, Boeckx B, Braund PS, Breitling LP, Delgado G, Duarte NE, Dufresne L,

Eriksson N, Foco L, Gijsberts CM, Gong Y, Hartiala J, Heydarpour M, Hubacek JA, Kleber M, Kofink D, Kuukasjärvi P, Lee VV, Leiherer A, Lenzini PA, Levin D, Lyytikäinen LP, Martinelli N, Mons U, Nelson CP, Nikus K, Pilbrow AP, Ploski R, Sun YV, Tanck MWT, Tang WHW, Trompet S, van der Laan SW, van Setten J, Vilmundarson RO, Viviani Anselmi C, Vlachopoulou E, Boerwinkle E, Briguori C, Carlquist JF, Carruthers KF, Casu G, Deanfield J, Deloukas P, Dudbridge F, Fitzpatrick N, Gigante B, James S, Lokki ML, Lotufo PA, Marziliano N, Mordi IR, Muhlestein JB, Newton Cheh C, Pitha J, Saely CH, Samman-Tahhan A, Sandesara PB, Teren A, Timmis A, Van de Werf F, Wauters E, Wilde AAM, Ford I, Stott DJ, Algra A, Andreassi MG, Ardissino D, Arsenault BJ, Ballantyne CM, Bergmeijer TO, Bezzina CR, Body SC, Bogaty P, de Borst GJ, Brenner H, Burkhardt R, Carpeggiani C, Condorelli G, Cooper-DeHoff RM, Cresci S, de Faire U, Doughty RN, Drexel H, Engert JC, Fox KAA, Girelli D, Hagström E, Hazen SL, Held C, Hemingway H, Hoefer IE, Hovingh GK, Johnson JA, de Jong PA, Jukema JW, Kaczor MP, Kähönen M, Kettner J, Kiliszek M, Klungel OH, Lagerqvist B, Lambrechts D, Laurikka JO, Lehtimäki T, Lindholm D, Mahmoodi BK, Maitland-van der Zee AH, McPherson R, Melander O, Metspalu A, Pepinski W, Olivieri O, Opolski G, Palmer CN, Pasterkamp G, Pepine CJ, Pereira AC, Pilote L, Quyyumi AA, Richards AM, Sanak M, Scholz M, Siegbahn A, Sinisalo J, Smith JG, Spertus JA, Stewart AFR, Szczeklik W, Szpakowicz A, Ten Berg JM, Thanassoulis G, Thiery J, van der Graaf Y, Visseren FLJ, Waltenberger J; CARDIoGRAMPlusC4D Consortium, Van der Harst P, Tardif JC, Sattar N, Lang CC, Pare G, Brophy JM, Anderson JL, März W, Wallentin L, Cameron VA, Horne BD, Samani NJ, Hingorani AD, Asselbergs FW. Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. *Circ Genom Precis Med*. 2019 Apr;12(4):e002471. doi: 10.1161/CIRCGEN.119.002471. Epub 2019 Mar 21. PMID: 30897348; PMCID: PMC6625876.

161: Patel RS, Tragante V, Schmidt AF, McCubrey RO, Holmes MV, Howe LJ, Direk K, Åkerblom A, Leander K, Virani SS, Kaminski KA, Muehlschlegel JD, Allayee H, Almgren P, Alver M, Baranova EV, Behloui H, Boeckx B, Braund PS, Breitling LP, Delgado G, Duarte NE, Dubé MP, Dufresne L, Eriksson N, Foco L, Scholz M, Gijsberts CM, Glinge C, Gong Y, Hartiala J, Heydarpour M, Hubacek JA, Kleber M, Kofink D, Kotti S, Kuukasjärvi P, Lee VV, Leiherer A, Lenzini PA, Levin D, Lyytikäinen LP, Martinelli N, Mons U, Nelson CP, Nikus K, Pilbrow AP, Ploski R, Sun YV, Tanck MWT, Tang WHW, Trompet S, van der Laan SW, Van Setten J, Vilmundarson RO, Viviani Anselmi C, Vlachopoulou E, Al Ali L, Boerwinkle E, Briguori C, Carlquist JF, Carruthers KF, Casu G, Deanfield J, Deloukas P, Dudbridge F, Engström T, Fitzpatrick N, Fox K, Gigante B, James S, Lokki ML, Lotufo PA, Marziliano N, Mordi IR, Muhlestein JB, Newton-Cheh C, Pitha J, Saely CH, Samman-Tahhan A, Sandesara PB, Teren A, Timmis A, Van de Werf F, Wauters E, Wilde AAM, Ford I, Stott DJ, Algra A, Andreassi MG, Ardissino D, Arsenault BJ, Ballantyne CM, Bergmeijer TO, Bezzina CR, Body SC, Boersma EH, Bogaty P, Bots ML, Brenner H, Brugts JJ, Burkhardt R, Carpeggiani C, Condorelli G, Cooper-DeHoff RM, Cresci S, Danchin N, de Faire U, Doughty RN, Drexel H, Engert JC, Fox KAA, Girelli D, Grobbee DE, Hagström E, Hazen SL, Held C, Hemingway H, Hoefer IE, Hovingh GK, Jabbari R, Johnson JA, Jukema JW, Kaczor MP, Kähönen M, Kettner J, Kiliszek M, Klungel OH, Lagerqvist B, Lambrechts D, Laurikka JO, Lehtimäki T, Lindholm D, Mahmoodi BK, Maitland-van der Zee AH, McPherson R, Melander O, Metspalu A, Niemcunowicz-Janica A, Olivieri O, Opolski G, Palmer CN, Pasterkamp G, Pepine CJ, Pereira AC, Pilote L, Quyyumi AA, Richards AM, Sanak M, Siegbahn A, Simon T, Sinisalo J, Smith JG, Spertus JA, Stender S, Stewart AFR, Szczeklik W, Szpakowicz A, Tardif JC, Ten Berg JM, Tfelt-Hansen J, Thanassoulis G, Thiery J, Torp-Pedersen C, van der Graaf Y, Visseren FLJ, Waltenberger J, Weeke PE, Van der Harst P, Lang CC, Sattar N, Cameron VA, Anderson JL, Brophy JM, Pare G, Horne BD, März W, Wallentin L, Samani NJ, Hingorani AD, Asselbergs FW. Subsequent Event Risk in Individuals With Established Coronary Heart Disease. *Circ Genom Precis Med*. 2019 Apr;12(4):e002470. doi: 10.1161/CIRCGEN.119.002470. Epub 2019 Mar 21. PMID: 30896328; PMCID: PMC6629546.

162: Marklund N, Bellander BM, Godbolt AK, Levin H, McCrory P, Thelin EP. Treatments and rehabilitation in the acute and chronic state of traumatic brain injury. *J Intern Med*. 2019 Jun;285(6):608-623. doi: 10.1111/joim.12900. PMID: 30883980; PMCID: PMC6527474.

- 163: Fahlström A, Tobieson L, Redebrandt HN, Zeberg H, Bartek J Jr, Bartley A, Erkki M, Hessington A, Troberg E, Mirza S, Tsitsopoulos PP, Marklund N. Differences in neurosurgical treatment of intracerebral haemorrhage: a nation- wide observational study of 578 consecutive patients. *Acta Neurochir (Wien)*. 2019 May;161(5):955-965. doi: 10.1007/s00701-019-03853-0. Epub 2019 Mar 15. PMID: 30877470; PMCID: PMC6484090.
- 164: Kononenko O, Watanabe H, Stålhandske L, Zarelius A, Clausen F, Yakovleva T, Bakalkin G, Marklund N. Focal traumatic brain injury induces neuroplastic molecular responses in lumbar spinal cord. *Restor Neurol Neurosci*. 2019;37(2):87-96. doi: 10.3233/RNN-180882. PMID: 30856132; PMCID: PMC6484246.
- 165: Reinstrup P, Unnerbäck M, Marklund N, Schalen W, Arrocha JC, Bloomfield EL, Sadegh V, Hesselgard K. Best zero level for external ICP transducer. *Acta Neurochir (Wien)*. 2019 Apr;161(4):635-642. doi: 10.1007/s00701-019-03856-x. Epub 2019 Mar 8. PMID: 30848373; PMCID: PMC6431298.
- 166: Dengler J, Kools D, Pflugmacher R, Gasbarrini A, Prestamburgo D, Gaetani P, Cher D, Van Eeckhoven E, Annertz M, Stureson B. Randomized Trial of Sacroiliac Joint Arthrodesis Compared with Conservative Management for Chronic Low Back Pain Attributed to the Sacroiliac Joint. *J Bone Joint Surg Am*. 2019 Mar 6;101(5):400-411. doi: 10.2106/JBJS.18.00022. PMID: 30845034; PMCID: PMC6467578.
- 167: Tobieson L, Ghafouri B, Zsigmond P, Rossitti S, Hillman J, Marklund N. Dynamic protein changes in the perihaemorrhagic zone of Surgically Treated Intracerebral Haemorrhage Patients. *Sci Rep*. 2019 Feb 28;9(1):3181. doi: 10.1038/s41598-019-39499-2. PMID: 30816204; PMCID: PMC6395593.
- 168: Astradsson A, Munck Af Rosenschöld P, Poulsgaard L, Ohlhues L, Engelholm SA, Feldt-Rasmussen U, Marsh R, Roed H, Juhler M. Cerebral infarction after fractionated stereotactic radiation therapy of benign anterior skull base tumors. *Clin Transl Radiat Oncol*. 2019 Feb 7;15:93-98. doi: 10.1016/j.ctro.2019.02.001. PMID: 30815592; PMCID: PMC6378839.
- 169: Stewart W, Allinson K, Al-Sarraj S, Bachmeier C, Barlow K, Belli A, Burns MP, Carson A, Crawford F, Dams-O'Connor K, Diaz-Arrastia R, Dixon CE, Edlow BL, Ferguson S, Fischl B, Folkerth RD, Gentleman S, Giza CC, Grady MS, Helmy A, Herceg M, Holton JL, Howell D, Hutchinson PJ, Iacono D, Iglesias JE, Ikononovic MD, Johnson VE, Keene CD, Kofler JK, Koliatsos VE, Lee EB, Levin H, Lifshitz J, Ling H, Loane DJ, Love S, Maas AI, Marklund N, Master CL, McElvenny DM, Meaney DF, Menon DK, Montine TJ, Mouzon B, Mufson EJ, Ojo JO, Prins M, Revesz T, Ritchie CW, Smith C, Sylvester R, Tang CY, Trojanowski JQ, Urankar K, Vink R, Wellington C, Wilde EA, Wilson L, Yeates K, Smith DH. Primum non nocere: a call for balance when reporting on CTE. *Lancet Neurol*. 2019 Mar;18(3):231-233. doi: 10.1016/S1474-4422(19)30020-1. Epub 2019 Feb 12. Erratum in: *Lancet Neurol*. 2019 Apr;18(4):e3. PMID: 30784550; PMCID: PMC6594011.
- 170: Marini S, Crawford K, Morotti A, Lee MJ, Pezzini A, Moomaw CJ, Flaherty ML, Montaner J, Roquer J, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado- Godia E, Soriano-Tarraga C, Slowik A, Jagiella JM, Pera J, Urbanik A, Pichler A, Hansen BM, McCauley JL, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Testai FD, Kittner SJ, Schmidt H, Enzinger C, Deary IJ, Rannikmae K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Klijn CJM, van Nieuwenhuizen KM, Fernandez-Cadenas I, Delgado P, Norrving B, Lindgren A, Goldstein JN, Viswanathan A, Greenberg SM, Falcone GJ, Biffi A, Langefeld CD, Woo D, Rosand J, Anderson CD; International Stroke Genetics Consortium. Association of Apolipoprotein E With Intracerebral Hemorrhage Risk by Race/Ethnicity: A Meta-analysis. *JAMA Neurol*. 2019 Apr 1;76(4):480-491. doi: 10.1001/jamaneurol.2018.4519. PMID: 30726504; PMCID: PMC6459133.

171: Dafsari HS, Martinez-Martin P, Rizos A, Trost M, Dos Santos Ghilardi MG, Reddy P, Sauerbier A, Petry-Schmelzer JN, Kramberger M, Borgemeester RWK, Barbe MT, Ashkan K, Silverdale M, Evans J, Odin P, Fonoff ET, Fink GR, Henriksen T, Ebersbach G, Pirtošek Z, Visser-Vandewalle V, Antonini A, Timmermann L, Ray Chaudhuri K; EUROPAR and the International Parkinson and Movement Disorders Society Non-Motor Parkinson's Disease Study Group. *EuroInf 2: Subthalamic stimulation, apomorphine, and levodopa infusion in Parkinson's disease. Mov Disord.* 2019 Mar;34(3):353-365. doi: 10.1002/mds.27626. Epub 2019 Feb 4. PMID: 30719763.

172: Hubertus V, Marklund N, Vajkoczy P. Management of concussion in soccer. *Acta Neurochir (Wien).* 2019 Mar;161(3):425-433. doi: 10.1007/s00701-019-03807-6. Epub 2019 Jan 28. PMID: 30687899.

173: Marklund N. Neuroendoscopy-a minimally invasive alternative in the surgical management of traumatic intracerebral contusions? *Acta Neurochir (Wien).* 2019 Feb;161(2):231-232. doi: 10.1007/s00701-019-03813-8. Epub 2019 Jan 22. PMID: 30666452.

174: Jakola AS, Werlenius K, Mudaisi M, Hylin S, Kinhult S, Bartek J Jr, Salvesen Ø, Carlsen SM, Strandéus M, Lindskog M, Löfgren D, Rydenhag B, Carstam L, Gulati S, Solheim O, Bartek J, Solheim T. Disulfiram repurposing combined with nutritional copper supplement as add-on to chemotherapy in recurrent glioblastoma (DIRECT): Study protocol for a randomized controlled trial. *F1000Res.* 2018 Nov 15;7:1797. doi: 10.12688/f1000research.16786.1. PMID: 30647912; PMCID: PMC6325620.

175: Förnvik K, Ahlstedt J, Osther K, Salford LG, Redebrandt HN. Anti-C1-inactivator treatment of glioblastoma. *Oncotarget.* 2018 Dec 21;9(100):37421-37428. doi: 10.18632/oncotarget.26456. PMID: 30647842; PMCID: PMC6324776.

176: Durmo F, Rydelius A, Cuellar Baena S, Askaner K, Lätt J, Bengzon J, Englund E, Chenevert TL, Björkman-Burtscher IM, Sundgren PC. Multivoxel ¹H-MR Spectroscopy Biometrics for Preoperative Differentiation Between Brain Tumors. *Tomography.* 2018 Dec;4(4):172-181. doi: 10.18383/j.tom.2018.00051. PMID: 30588503; PMCID: PMC6299741.

177: Troberg E, Kronvall E, Hansen BM, Nilsson OG. Prediction of Long-Term Outcome After Intracerebral Hemorrhage Surgery. *World Neurosurg.* 2018 Dec 19:S1878-8750(18)32834-1. doi: 10.1016/j.wneu.2018.12.012. Epub ahead of print. PMID: 30579029.

178: Tsitsopoulos PP, Marklund N, Salci K, Holtz A, Mani M. Management of symptomatic sacral perineural cysts with microsurgery and a vascularized fasciocutaneous flap. *J Spine Surg.* 2018 Sep;4(3):602-609. doi: 10.21037/jss.2018.07.02. PMID: 30547125; PMCID: PMC6261769.

179: Josipovic M, Persson GF, Rydhög JS, Smulders B, Thomsen JB, Aznar MC. Advanced dose calculation algorithms in lung cancer radiotherapy: Implications for SBRT and locally advanced disease in deep inspiration breath hold. *Phys Med.* 2018 Dec;56:50-57. doi: 10.1016/j.ejmp.2018.11.013. Epub 2018 Nov 22. PMID: 30527089.

180: Canals I, Ginisty A, Quist E, Timmerman R, Fritze J, Miskinyte G, Monni E, Hansen MG, Hidalgo I, Bryder D, Bengzon J, Ahlenius H. Author Correction: Rapid and efficient induction of functional astrocytes from human pluripotent stem cells. *Nat Methods.* 2019 Jan;16(1):134. doi: 10.1038/s41592-018-0264-z. Erratum for: *Nat Methods.* 2018 Sep;15(9):693-696. PMID: 30514884.

181: Nichol G, Polderman KH, Friberg H, Kurz M, Kapinos G. Perspectives on Temperature Management. *Ther Hypothermia Temp Manag.* 2018 Dec;8(4):188-194. doi: 10.1089/ther.2018.29052.gjn. Epub 2018 Nov 15. PMID: 30431392.

- 182: Seiffge DJ, Werring DJ, Paciaroni M, Dawson J, Warach S, Milling TJ, Engelter ST, Fischer U, Norrving B. Timing of anticoagulation after recent ischaemic stroke in patients with atrial fibrillation. *Lancet Neurol*. 2019 Jan;18(1):117-126. doi: 10.1016/S1474-4422(18)30356-9. Epub 2018 Nov 8. PMID: 30415934; PMCID: PMC6524642.
- 183: Berkestedt I, Andersson P, Herwald H, Valik JK, Sörensen O, Bodelsson M. Early depletion of contact system in patients with sepsis: a prospective matched control observational study. *APMIS*. 2018 Dec;126(12):892-898. doi: 10.1111/apm.12898. Epub 2018 Nov 5. PMID: 30397964.
- 184: Ryding E, Kahlon B, Reinstrup P. Improved lumbar infusion test analysis for normal pressure hydrocephalus diagnosis. *Brain Behav*. 2018 Nov;8(11):e01125. doi: 10.1002/brb3.1125. Epub 2018 Sep 27. PMID: 30259701; PMCID: PMC6236248.
- 185: Fjalldal S, Follin C, Gabery S, Sundgren PC, Björkman-Burtscher IM, Lätt J, Mannfolk P, Nordström CH, Rylander L, Ekman B, Cheong R, Pålsson A, Petersén Å, Erfurth EM. Detailed assessment of hypothalamic damage in craniopharyngioma patients with obesity. *Int J Obes (Lond)*. 2019 Mar;43(3):533-544. doi: 10.1038/s41366-018-0185-z. Epub 2018 Sep 4. PMID: 30181653.
- 186: Canals I, Ginisty A, Quist E, Timmerman R, Fritze J, Miskinyte G, Monni E, Hansen MG, Hidalgo I, Bryder D, Bengzon J, Ahlenius H. Rapid and efficient induction of functional astrocytes from human pluripotent stem cells. *Nat Methods*. 2018 Sep;15(9):693-696. doi: 10.1038/s41592-018-0103-2. Epub 2018 Aug 20. Erratum in: *Nat Methods*. 2019 Jan;16(1):134. PMID: 30127505.
- 187: Ohlsson L, Kronvall E, Stratton J, Edvinsson L. Fremanezumab blocks CGRP induced dilatation in human cerebral, middle meningeal and abdominal arteries. *J Headache Pain*. 2018 Aug 14;19(1):66. doi: 10.1186/s10194-018-0905-8. PMID: 30109438; PMCID: PMC6091427.
- 188: Hessington A, Tsitsopoulos PP, Fahlström A, Marklund N. Favorable clinical outcome following surgical evacuation of deep-seated and lobar supratentorial intracerebral hemorrhage: a retrospective single-center analysis of 123 cases. *Acta Neurochir (Wien)*. 2018 Sep;160(9):1737-1747. doi: 10.1007/s00701-018-3622-9. Epub 2018 Jul 26. PMID: 30051159; PMCID: PMC6105225.
- 189: Zolfaghari S, Ståhl N, Nittby Redebrandt H. Does time from diagnostic CT until surgical evacuation affect outcome in patients with chronic subdural hematoma? *Acta Neurochir (Wien)*. 2018 Sep;160(9):1703-1709. doi: 10.1007/s00701-018-3620-y. Epub 2018 Jul 24. PMID: 30043090; PMCID: PMC6105227.
- 190: Uvelius E, Höglund P, Valdemarsson S, Siesjö P. An early post-operative ACTH suppression test can safely predict short- and long-term remission after surgery of Cushing's disease. *Pituitary*. 2018 Oct;21(5):490-498. doi: 10.1007/s11102-018-0902-6. PMID: 30039432; PMCID: PMC6132983.
- 191: Vink P, Tulek Z, Gillis K, Jönsson AC, Buhagiar J, Waterhouse C, Poulsen I. Consciousness assessment: A questionnaire of current neuroscience nursing practice in Europe. *J Clin Nurs*. 2018 Nov;27(21-22):3913-3919. doi: 10.1111/jocn.14614. Epub 2018 Aug 1. PMID: 29989228.
- 192: Bozovic G, Adlercreutz C, Björkman-Burtscher IM, Reinstrup P, Ingemansson R, Skansebo E, Geijer M. Impact of donor chest radiography on clinical outcome after lung transplantation. *Acta Radiol Open*. 2018 Jun 14;7(6):2058460118781419. doi: 10.1177/2058460118781419. PMID: 29977606; PMCID: PMC6024291.
- 193: Borg H, Siesjö P, Kahlon B, Fjalldal S, Erfurth EM. Perioperative serum cortisol levels in ACTH sufficient and ACTH deficient patients during transsphenoidal surgery of pituitary neuroendocrine tumor. *Endocrine*. 2018 Oct;62(1):83-89. doi: 10.1007/s12020-018-1655-8. Epub 2018 Jul 2. PMID:

29968225; PMCID: PMC6153577.

194: Nilsson A, Uvelius E, Cederberg D, Kronvall E. Silver-Coated Ventriculostomy Catheters Do Not Reduce Rates of Clinically Diagnosed Ventriculitis. *World Neurosurg.* 2018 Sep;117:e411-e416. doi: 10.1016/j.wneu.2018.06.045. Epub 2018 Jun 18. PMID: 29920387.

195: Quadri M, Mandemakers W, Grochowska MM, Masius R, Geut H, Fabrizio E, Breedveld GJ, Kuipers D, Minneboo M, Vergouw LJM, Carreras Mascaro A, Yonova-Doing E, Simons E, Zhao T, Di Fonzo AB, Chang HC, Parchi P, Melis M, Correia Guedes L, Criscuolo C, Thomas A, Brouwer RWW, Heijnsman D, Ingrassia AMT, Calandra Buonauro G, Rood JP, Capellari S, Rozemuller AJ, Sarchioto M, Fen Chien H, Vanacore N, Olgiati S, Wu-Chou YH, Yeh TH, Boon AJW, Hoogers SE, Ghazvini M, Ijpma AS, van Ijcken WFJ, Onofrij M, Barone P, Nicholl DJ, Puschmann A, De Mari M, Kievit AJ, Barbosa E, De Michele G, Majoor-Krakauer D, van Swieten JC, de Jong FJ, Ferreira JJ, Cossu G, Lu CS, Mecocci G, Cortelli P, van de Berg WDJ, Bonifati V; International Parkinsonism Genetics Network. LRP10 genetic variants in familial Parkinson's disease and dementia with Lewy bodies: a genome-wide linkage and sequencing study. *Lancet Neurol.* 2018 Jul;17(7):597-608. doi: 10.1016/S1474-4422(18)30179-0. Epub 2018 Jun 7. Erratum in: *Lancet Neurol.* 2020 Feb;19(2):e2. PMID: 29887161.

196: Moustakis C, Chan MKH, Kim J, Nilsson J, Bergman A, Bichay TJ, Palazon Cano I, Cilla S, Deodato F, Doro R, Dunst J, Eich HT, Fau P, Fong M, Haverkamp U, Heinze S, Hildebrandt G, Imhoff D, de Klerck E, Köhn J, Lambrecht U, Loutfi-Krauss B, Ebrahimi F, Masi L, Mayville AH, Mestrovic A, Milder M, Morganti AG, Rades D, Ramm U, Rödel C, Siebert FA, den Toom W, Wang L, Wurster S, Schweikard A, Soltys SG, Ryu S, Blanck O. Treatment planning for spinal radiosurgery : A competitive multiplatform benchmark challenge. *Strahlenther Onkol.* 2018 Sep;194(9):843-854. English. doi: 10.1007/s00066-018-1314-2. Epub 2018 May 25. PMID: 29802435.

197: Tobieson L, Rossitti S, Zsigmond P, Hillman J, Marklund N. Persistent Metabolic Disturbance in the Perihemorrhagic Zone Despite a Normalized Cerebral Blood Flow Following Surgery for Intracerebral Hemorrhage. *Neurosurgery.* 2019 Jun 1;84(6):1269-1279. doi: 10.1093/neuros/nyy179. PMID: 29788388; PMCID: PMC6520101.

198: Stefani FR, Eberstål S, Vergani S, Kristiansen TA, Bengzon J. Low-dose irradiated mesenchymal stromal cells break tumor defensive properties in vivo. *Int J Cancer.* 2018 Nov 1;143(9):2200-2212. doi: 10.1002/ijc.31599. Epub 2018 Aug 7. PMID: 29752716; PMCID: PMC6220775.

199: Flygt J, Ruscher K, Norberg A, Mir A, Gram H, Clausen F, Marklund N. Neutralization of Interleukin-1 β following Diffuse Traumatic Brain Injury in the Mouse Attenuates the Loss of Mature Oligodendrocytes. *J Neurotrauma.* 2018 Dec 1;35(23):2837-2849. doi: 10.1089/neu.2018.5660. Epub 2018 Jul 30. PMID: 29690837; PMCID: PMC6247990.

200: Hazer DB, Acarbaş A, Rosberg HE. The outcome of epiduroscopy treatment in patients with chronic low back pain and radicular pain, operated or non-operated for lumbar disc herniation: a retrospective study in 88 patients. *Korean J Pain.* 2018 Apr;31(2):109-115. doi: 10.3344/kjp.2018.31.2.109. Epub 2018 Apr 2. PMID: 29686809; PMCID: PMC5904345.

201: Durmo F, Lätt J, Rydelius A, Engelholm S, Kinhult S, Askaner K, Englund E, Bengzon J, Nilsson M, Björkman-Burtscher IM, Chenevert T, Knutsson L, Sundgren PC. Brain Tumor Characterization Using Multibiometric Evaluation of MRI. Tomography. 2018 Mar;4(1):14-25. doi: 10.18383/j.tom.2017.00020. PMID: 29675474; PMCID: PMC5903291.

202: Thelin EP, Helmy A, Nelson DW, Marklund N. Editorial: Monitoring Pathophysiology in the Injured Brain. *Front Neurol.* 2018 Mar 26;9:193. doi: 10.3389/fneur.2018.00193. PMID: 29632512; PMCID:

PMC5879089.

203: Holmström U, Tsitsopoulos PP, Flygt H, Holtz A, Marklund N. Neurosurgical untethering with or without syring drainage results in high patient satisfaction and favorable clinical outcome in post-traumatic myelopathy patients. *Spinal Cord*. 2018 Sep;56(9):873-882. doi: 10.1038/s41393-018-0094-y. Epub 2018 Mar 27. PMID: 29588484.

204: Unnerbäck M, Bloomfield EL, Söderström S, Reinstrup P. The intracranial pressure curve correlates to the pulsatile component of cerebral blood flow. *J Clin Monit Comput*. 2019 Feb;33(1):77-83. doi: 10.1007/s10877-018-0129-0. Epub 2018 Mar 16. PMID: 29549499; PMCID: PMC6315053.

205: Thust SC, Heiland S, Falini A, Jäger HR, Waldman AD, Sundgren PC, Godi C, Katsaros VK, Ramos A, Bargallo N, Vernooij MW, Yousry T, Bendszus M, Smits M. Glioma imaging in Europe: A survey of 220 centres and recommendations for best clinical practice. *Eur Radiol*. 2018 Aug;28(8):3306-3317. doi: 10.1007/s00330-018-5314-5. Epub 2018 Mar 13. PMID: 29536240; PMCID: PMC6028837.

206: Bodin CR, Rasmussen MM, Tabor A, Westbom L, Tiblad E, Ekelund CK, Wulff CB, Vogel I, Petersen OB. Ultrasound in Prenatal Diagnostics and Its Impact on the Epidemiology of Spina Bifida in a National Cohort from Denmark with a Comparison to Sweden. *Biomed Res Int*. 2018 Feb 1;2018:9203985. doi: 10.1155/2018/9203985. PMID: 29487873; PMCID: PMC5816888.

207: Ljung H, Strandberg M, Bengzon J, Källén K. Response: Memory decline from hippocampal electrodes? Let's not forget statistics and study design. *Epilepsia*. 2018 Feb;59(2):503-504. doi: 10.1111/epi.13987. PMID: 29411378.

208: Tjernström F, Fransson PA, Kahlon B, Karlberg M, Lindberg S, Siesjö P, Magnusson M. PREHAB vs. REHAB - presurgical treatment in vestibular schwannoma surgery enhances recovery of postural control better than postoperative rehabilitation: Retrospective case series. *J Vestib Res*. 2018;27(5-6):313-325. doi: 10.3233/VES-170626. PMID: 29400686.

209: McCormack A, Dekkers OM, Petersenn S, Popovic V, Trouillas J, Raverot G, Burman P; ESE survey collaborators. Treatment of aggressive pituitary tumours and carcinomas: results of a European Society of Endocrinology (ESE) survey 2016. *Eur J Endocrinol*. 2018 Mar;178(3):265-276. doi: 10.1530/EJE-17-0933. Epub 2018 Jan 12. PMID: 29330228.

210: Unnerbäck M, Ottesen JT, Reinstrup P. ICP curve morphology and intracranial flow-volume changes: a simultaneous ICP and cine phase contrast MRI study in humans. *Acta Neurochir (Wien)*. 2018 Feb;160(2):219-224. doi: 10.1007/s00701-017-3435-2. Epub 2017 Dec 22. PMID: 29273948; PMCID: PMC5766711.

211: Tsitsopoulos PP, Abu Hamdeh S, Marklund N. Current Opportunities for Clinical Monitoring of Axonal Pathology in Traumatic Brain Injury. *Front Neurol*. 2017 Nov 20;8:599. doi: 10.3389/fneur.2017.00599. PMID: 29209266; PMCID: PMC5702013.

212: Ljung H, Nordlund A, Strandberg M, Bengzon J, Källén K. Verbal memory decline from hippocampal depth electrodes in temporal lobe surgery for epilepsy. *Epilepsia*. 2017 Dec;58(12):2143-2152. doi: 10.1111/epi.13931. Epub 2017 Nov 3. PMID: 29105058.

213: Marklund N. The Neurological Wake-up Test-A Role in Neurocritical Care Monitoring of Traumatic Brain Injury Patients? *Front Neurol*. 2017 Oct 17;8:540. doi: 10.3389/fneur.2017.00540. PMID: 29089921; PMCID: PMC5650971.

214: Li W, Lao-Kaim NP, Roussakis AA, Martín-Bastida A, Valle-Guzman N, Paul G, Loane C, Widner H, Politis M, Foltynie T, Barker RA, Piccini P. ¹¹ C-PE2I and ¹⁸ F-Dopa PET for assessing progression rate in Parkinson's: A longitudinal study. *Mov Disord*. 2018 Jan;33(1):117-127. doi: 10.1002/mds.27183. Epub 2017 Oct 30. PMID: 29082547.

215: Marklund N. Decompressive craniectomy, ICP monitoring and secondary necrosectomy as treatment options in patients presenting with malignant ischemic infarctions extending beyond the middle cerebral artery territory. *Acta Neurochir (Wien)*. 2018 Jan;160(1):91-93. doi: 10.1007/s00701-017-3331-9. Epub 2017 Sep 30. PMID: 28963681.

216: Uvelius E, Castelo N, Kahlon B, Svensson C, Cervin A, Höglund P, Valdemarsson S, Siesjö P. Quality of Life and Work Capacity Are Unrelated to Approach or Complications After Pituitary Surgery. *World Neurosurg*. 2017 Dec;108:24-32. doi: 10.1016/j.wneu.2017.08.087. Epub 2017 Aug 30. PMID: 28860094.

217: Delgado AF, Fahlström M, Nilsson M, Berntsson SG, Zetterling M, Libard S, Alafuzoff I, van Westen D, Lätt J, Smits A, Larsson EM. Diffusion Kurtosis Imaging of Gliomas Grades II and III - A Study of Perilesional Tumor Infiltration, Tumor Grades and Subtypes at Clinical Presentation. *Radiol Oncol*. 2017 Feb 15;51(2):121-129. doi: 10.1515/raon-2017-0010. PMID: 28740446; PMCID: PMC5514651.

218: Rosberg HE, Hazer Rosberg DB, Birkisson I, Dahlin LB. Age does not affect the outcome after digital nerve repair in children - A retrospective long term follow up. *J Orthop Sci*. 2017 Sep;22(5):915-918. doi: 10.1016/j.jos.2017.06.012. Epub 2017 Jul 21. PMID: 28735880.

219: Wibroe M, Cappelen J, Castor C, Clausen N, Grillner P, Gudrunardottir T, Gupta R, Gustavsson B, Heyman M, Holm S, Karppinen A, Klausen C, Lönnqvist T, Mathiasen R, Nilsson P, Nysom K, Persson K, Rask O, Schmiegelow K, Sehested A, Thomassen H, Tonning-Olsson I, Zetterqvist B, Juhler M. Cerebellar mutism syndrome in children with brain tumours of the posterior fossa. *BMC Cancer*. 2017 Jun 21;17(1):439. doi: 10.1186/s12885-017-3416-0. PMID: 28637445; PMCID: PMC5480181.

220: Silverberg E, Tornqvist F, Kander T, Bengzon J, Solomon C, Bonnevier J, Schött U. Comparison of citrated and fresh whole blood for viscoelastic coagulation testing during elective neurosurgery. *Thromb Res*. 2017 Aug;156:73-79. doi: 10.1016/j.thromres.2017.05.033. Epub 2017 Jun 3. PMID: 28601642.

221: Putaala J, Martinez-Majander N, Saeed S, Yesilot N, Jäkälä P, Nerg O, Tsivgoulis G, Numminen H, Gordin D, von Sarnowski B, Waje-Andreassen U, Ylikotila P, Roine RO, Zedde M, Huhtakangas J, Fonseca C, Redfors P, de Leeuw FE, Pezzini A, Körv J, Schneider S, Tanislav C, Enzinger C, Jatuzis D, Siegerink B, Martínez-Sánchez P, Grau AJ, Palm F, Groop PH, Lanthier S, Ten Cate H, Pussinen P, Paju S, Sinisalo J, Lehto M, Lindgren A, Ferro J, Kittner S, Fazekas F, Gerds E, Tatlisumak T. Searching for Explanations for Cryptogenic Stroke in the Young: Revealing the Triggers, Causes, and Outcome (SECRETO): Rationale and design. *Eur Stroke J*. 2017 Jun;2(2):116-125. doi: 10.1177/2396987317703210. Epub 2017 Apr 4. PMID: 31008307; PMCID: PMC6453214.

222: Sandén E, Dyberg C, Krona C, Gallo-Oller G, Olsen TK, Enríquez Pérez J, Wickström M, Estekizadeh A, Kool M, Visse E, Ekström TJ, Siesjö P, Johnsen JI, Darabi A. Establishment and characterization of an orthotopic patient-derived Group 3 medulloblastoma model for preclinical drug evaluation. *Sci Rep*. 2017 Apr 18;7:46366. doi: 10.1038/srep46366. PMID: 28417956; PMCID: PMC5394470.

223: Soffietti R, Abacioglu U, Baumert B, Combs SE, Kinhult S, Kros JM, Marosi C, Metellus P, Radbruch A, Villa Freixa SS, Brada M, Carapella CM, Preusser M, Le Rhun E, Rudà R, Tonn JC, Weber DC, Weller

- M. Diagnosis and treatment of brain metastases from solid tumors: guidelines from the European Association of Neuro- Oncology (EANO). *Neuro Oncol.* 2017 Feb 1;19(2):162-174. doi: 10.1093/neuonc/now241. PMID: 28391295; PMCID: PMC5620494.
- 224: Jansohn E, Bengzon J, Kander T, Schött U. A pilot study on the applicability of thromboelastometry in detecting brain tumour-induced hypercoagulation. *Scand J Clin Lab Invest.* 2017 Jul;77(4):289-294. doi: 10.1080/00365513.2017.1306877. Epub 2017 Mar 31. PMID: 28362128.
- 225: Meretoja A, Acciarresi M, Akinyemi RO, Campbell B, Dowlathshahi D, English C, Henninger N, Poppe A, Putaala J, Saini M, Sato S, Wu B, Brainin M, Norrving B, Davis S. Stroke doctors: Who are we? A World Stroke Organization survey. *Int J Stroke.* 2017 Oct;12(8):858-868. doi: 10.1177/1747493017701150. Epub 2017 Mar 28. PMID: 28350278; PMCID: PMC5554096.
- 226: Dahlberg S, Nilsson CU, Kander T, Schött U. Detection of subclinical vitamin K deficiency in neurosurgery with PIVKA-II. *Scand J Clin Lab Invest.* 2017 Jul;77(4):267-274. doi: 10.1080/00365513.2017.1303190. Epub 2017 Mar 20. PMID: 28319421.
- 227: Zindovic I, Sjögren J, Bjursten H, Björklund E, Herou E, Ingemansson R, Nozohoor S. Predictors and impact of massive bleeding in acute type A aortic dissection. *Interact Cardiovasc Thorac Surg.* 2017 Apr 1;24(4):498-505. doi: 10.1093/icvts/ivw425. PMID: 28093462.
- 228: Bozovic G, Adlercreutz C, Höglund P, Björkman-Burtscher I, Reinstrup P, Ingemansson R, Schaefer-Prokop C, Siemund R, Geijer M. Imaging of the Lungs in Organ Donors and its Clinical Relevance: A Retrospective Analysis. *J Thorac Imaging.* 2017 Mar;32(2):107-114. doi: 10.1097/RTI.0000000000000255. PMID: 28060192.
- 229: Martin-Bastida A, Lao-Kaim NP, Loane C, Politis M, Roussakis AA, Valle- Guzman N, Kefalopoulou Z, Paul-Visse G, Widner H, Xing Y, Schwarz ST, Auer DP, Foltynie T, Barker RA, Piccini P. Motor associations of iron accumulation in deep grey matter nuclei in Parkinson's disease: a cross-sectional study of iron- related magnetic resonance imaging susceptibility. *Eur J Neurol.* 2017 Feb;24(2):357-365. doi: 10.1111/ene.13208. Epub 2016 Dec 16. PMID: 27982501.
- 230: Tjernström F, Fransson PA, Kahlon B, Karlberg M, Lindberg S, Siesjö P, Magnusson M. Hearing and Vestibular Function After Preoperative Intratympanic Gentamicin Therapy for Vestibular Schwannoma as Part of Vestibular Prehab. *Ear Hear.* 2016 Nov/Dec;37(6):744-750. doi: 10.1097/AUD.0000000000000340. PMID: 27438868.
- 231: Svensson A, Ramos-Moreno T, Eberstål S, Scheduling S, Bengzon J. Identification of two distinct mesenchymal stromal cell populations in human malignant glioma. *J Neurooncol.* 2017 Jan;131(2):245-254. doi: 10.1007/s11060-016-2302-y. Epub 2016 Oct 18. PMID: 27757723; PMCID: PMC5306185.
- 232: Anderson CD, Falcone GJ, Phuah CL, Radmanesh F, Brouwers HB, Battey TW, Biffi A, Peloso GM, Liu DJ, Ayres AM, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Flaherty ML, Kraft P, Jagiella JM, Schmidt H, Hansen BM, Jimenez-Conde J, Giralt- Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, van Nieuwenhuizen KM, Klijn CJ, Rannikmae K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Deary IJ, Morotti A, Pezzini A, Pera J, Urbanik A, Pichler A, Enzinger C, Norrving B, Montaner J, Fernandez-Cadenas I, Delgado P, Roquer J, Lindgren A, Slowik A, Schmidt R, Kidwell CS, Kittner SJ, Waddy SP, Langefeld CD, Abecasis G, Willer CJ, Kathiresan S, Woo D, Rosand J; Global Lipids Genetics Consortium and International Stroke Genetics Consortium. Genetic variants in CETP increase risk of intracerebral hemorrhage. *Ann Neurol.* 2016 Nov;80(5):730-740. doi: 10.1002/ana.24780. Epub 2016 Oct 19. PMID: 27717122; PMCID:

PMC5115931.

233: Sandén E, Enríquez Pérez J, Visse E, Kool M, Carén H, Siesjö P, Darabi A. Preoperative systemic levels of VEGFA, IL-7, IL-17A, and TNF- β delineate two distinct groups of children with brain tumors. *Pediatr Blood Cancer*. 2016 Dec;63(12):2112-2122. doi: 10.1002/pbc.26158. Epub 2016 Jul 29. PMID: 27472224.

234: Nilsson CU, Strandberg K, Engström M, Reinstrup P. Coagulation during elective neurosurgery with hydroxyethyl starch fluid therapy: an observational study with thromboelastometry, fibrinogen and factor XIII. *Perioper Med (Lond)*. 2016 Aug 17;5:20. doi: 10.1186/s13741-016-0046-z. PMID: 27540479; PMCID: PMC4989364.

235: Nittby HR, Bjartmarz H. A Subgaleal Hematoma That Turned Out to Be a B-Cell Lymphoma. *World Neurosurg*. 2016 Sep;93:489.e7-9. doi: 10.1016/j.wneu.2016.06.087. Epub 2016 Jun 28. PMID: 27368504.

236: Menard JA, Christianson HC, Kucharzewska P, Bourseau-Guilmain E, Svensson KJ, Lindqvist E, Indira Chandran V, Kjellén L, Welinder C, Bengzon J, Johansson MC, Belting M. Metastasis Stimulation by Hypoxia and Acidosis-Induced Extracellular Lipid Uptake Is Mediated by Proteoglycan-Dependent Endocytosis. *Cancer Res*. 2016 Aug 15;76(16):4828-40. doi: 10.1158/0008-5472.CAN-15-2831. Epub 2016 May 19. PMID: 27199348.

237: Hazer DB, Yaşar B, Rosberg HE, Akbaş A. Technical Aspects on the Use of Ultrasonic Bone Shaver in Spine Surgery: Experience in 307 Patients. *Biomed Res Int*. 2016;2016:8428530. doi: 10.1155/2016/8428530. Epub 2016 Apr 18. PMID: 27195299; PMCID: PMC4852336.

238: Berge E, Stapf C, Al-Shahi Salman R, Ford GA, Sandercock P, van der Worp HB, Petersson J, Dippel DW, Krieger DW, Lees KR; ESO Trials Network Committee. Methods to improve patient recruitment and retention in stroke trials. *Int J Stroke*. 2016 Aug;11(6):663-76. doi: 10.1177/1747493016641963. Epub 2016 Apr 26. PMID: 27118766.

239: Loane C, Politis M, Kefalopoulou Z, Valle-Guzman N, Paul G, Widner H, Foltynie T, Barker RA, Piccini P. Aberrant nigral diffusion in Parkinson's disease: A longitudinal diffusion tensor imaging study. *Mov Disord*. 2016 Jul;31(7):1020-6. doi: 10.1002/mds.26606. Epub 2016 Apr 22. PMID: 27104232.

240: Nittby HR, Maltese A, Ståhl N. Early postoperative haematomas in neurosurgery. *Acta Neurochir (Wien)*. 2016 May;158(5):837-46. doi: 10.1007/s00701-016-2778-4. Epub 2016 Mar 28. PMID: 27020442.

241: Masch WR, Wang PI, Chenevert TL, Junck L, Tsien C, Heth JA, Sundgren PC. Comparison of Diffusion Tensor Imaging and Magnetic Resonance Perfusion Imaging in Differentiating Recurrent Brain Neoplasm From Radiation Necrosis. *Acad Radiol*. 2016 May;23(5):569-76. doi: 10.1016/j.acra.2015.11.015. Epub 2016 Feb 23. PMID: 26916251; PMCID: PMC4836992.

242: Li N, Statkevicius S, Asgeirsson B, Schött U. Effects of different colloid infusions on ROTEM and Multiplate during elective brain tumour neurosurgery. *Perioper Med (Lond)*. 2015 Sep 29;4:9. doi: 10.1186/s13741-015-0019-7. PMID: 26425342; PMCID: PMC4589068.

243: Reinholdson J, Olsson I, Edelvik A, Hallböök T, Lundgren J, Rydenhag B, Malmgren K. Long-term follow-up after epilepsy surgery in infancy and early childhood—a prospective population based observational study. *Seizure*. 2015 Aug;30:83-9. doi: 10.1016/j.seizure.2015.05.019. Epub 2015 Jun 6. PMID: 26216690.

- 244: Sandén E, Eberstål S, Visse E, Siesjö P, Darabi A. A standardized and reproducible protocol for serum-free monolayer culturing of primary paediatric brain tumours to be utilized for therapeutic assays. *Sci Rep*. 2015 Jul 17;5:12218. doi: 10.1038/srep12218. PMID: 26183281; PMCID: PMC4505308.
- 245: Svensson A, Özen I, Genové G, Paul G, Bengzon J. Endogenous brain pericytes are widely activated and contribute to mouse glioma microvasculature. *PLoS One*. 2015 Apr 13;10(4):e0123553. doi: 10.1371/journal.pone.0123553. PMID: 25875288; PMCID: PMC4395339.
- 246: Gardiner C, Harrison P, Belting M, Böing A, Campello E, Carter BS, Collier ME, Coumans F, Ettelaie C, van Es N, Hochberg FH, Mackman N, Rennert RC, Thaler J, Rak J, Nieuwland R. Extracellular vesicles, tissue factor, cancer and thrombosis - discussion themes of the ISEV 2014 Educational Day. *J Extracell Vesicles*. 2015 Mar 13;4:26901. doi: 10.3402/jev.v4.26901. PMID: 25773446; PMCID: PMC4359985.
- 247: Herou E, Romner B, Tomasevic G. Acute Traumatic Brain Injury: Mortality in the Elderly. *World Neurosurg*. 2015 Jun;83(6):996-1001. doi: 10.1016/j.wneu.2015.02.023. Epub 2015 Feb 28. PMID: 25731794.
- 248: Majersik JJ, Cole JW, Golledge J, Rost NS, Chan YF, Gurol ME, Lindgren AG, Woo D, Fernandez-Cadenas I, Chen DT, Thijs V, Worrall BB, Kamal A, Bentley P, Wardlaw JM, Ruigrok YM, Battey TW, Schmidt R, Montaner J, Giese AK, Roquer J, Jiménez-Conde J, Lee C, Ay H, Martin JJ, Rosand J, Maguire J; International Stroke Genetics Consortium. Recommendations from the international stroke genetics consortium, part 1: standardized phenotypic data collection. *Stroke*. 2015 Jan;46(1):279-84. doi: 10.1161/STROKEAHA.114.006839. Epub 2014 Dec 9. PMID: 25492903; PMCID: PMC4465378.
- 249: Ramgren B, Siemund R, Nilsson OG, Höglund P, Larsson EM, Abul-Kasim K, Björkman-Burtscher IM. CT angiography in non-traumatic subarachnoid hemorrhage: the importance of arterial attenuation for the detection of intracranial aneurysms. *Acta Radiol*. 2015 Oct;56(10):1248-55. doi: 10.1177/0284185114551976. Epub 2014 Oct 7. PMID: 25293950.
- 250: El Ghouli W, Harrisson S, Belli A. Autologous cranioplasty following decompressive craniectomy in the trauma setting. *Br J Neurosurg*. 2015 Feb;29(1):64-69. doi: 10.3109/02688697.2014.957157. Epub 2014 Oct 6. PMID: 25284308.
- 251: Traylor M, Mäkelä KM, Kilarski LL, Holliday EG, Devan WJ, Nalls MA, Wiggins KL, Zhao W, Cheng YC, Achterberg S, Malik R, Sudlow C, Bevan S, Raitoharju E; METASTROKE, International Stroke Genetics Consortium, Wellcome Trust Case Consortium 2 (WTCCC2), Oksala N, Thijs V, Lemmens R, Lindgren A, Slowik A, Maguire JM, Walters M, Algra A, Sharma P, Attia JR, Boncoraglio GB, Rothwell PM, de Bakker PI, Bis JC, Saleheen D, Kittner SJ, Mitchell BD, Rosand J, Meschia JF, Levi C, Dichgans M, Lehtimäki T, Lewis CM, Markus HS. A novel MMP12 locus is associated with large artery atherosclerotic stroke using a genome-wide age-at-onset informed approach. *PLoS Genet*. 2014 Jul 31;10(7):e1004469. doi: 10.1371/journal.pgen.1004469. PMID: 25078452; PMCID: PMC4117446.
- 252: Pettersson D, Mathiesen T, Prochazka M, Bergenheim T, Florentzson R, Harder H, Nyberg G, Siesjö P, Feychting M. Long-term mobile phone use and acoustic neuroma risk. *Epidemiology*. 2014 Mar;25(2):233-41. doi: 10.1097/EDE.0000000000000058. PMID: 24434752.
- 253: Nelson A, Berkestedt I, Bodelsson M. Circulating glycosaminoglycan species in septic shock. *Acta Anaesthesiol Scand*. 2014 Jan;58(1):36-43. doi: 10.1111/aas.12223. Epub 2013 Nov 7. PMID: 24341693.
- 254: Siesjö P. The enigma of external ventricular drain placement. *World Neurosurg*. 2014 Nov;82(5):597-8. doi: 10.1016/j.wneu.2013.10.056. Epub 2013 Oct 24. PMID: 24161547.

- 255: Kronvall E, Valdemarsson S, Säveland H, Nilsson OG. Pituitary dysfunction after aneurysmal subarachnoid hemorrhage is associated with impaired early outcome. *World Neurosurg.* 2014 Mar-Apr;81(3-4):529-37. doi: 10.1016/j.wneu.2013.10.038. Epub 2013 Oct 16. PMID: 24140998.
- 256: Dahlin LB. The role of timing in nerve reconstruction. *Int Rev Neurobiol.* 2013;109:151-64. doi: 10.1016/B978-0-12-420045-6.00007-9. PMID: 24093611.
- 257: Dahlin LB, Cöster M, Björkman A, Backman C. Axillary nerve injury in young adults—an overlooked diagnosis? Early results of nerve reconstruction and nerve transfers. *J Plast Surg Hand Surg.* 2012 Sep;46(3-4):257-61. doi: 10.3109/2000656X.2012.698415. PMID: 22909244.
- 258: Siesjö P. Endoscopic biopsies of the basal cisterns—what you get is what you see. *World Neurosurg.* 2012 May-Jun;77(5-6):644-5. doi: 10.1016/j.wneu.2011.10.009. Epub 2011 Nov 1. PMID: 22120231.
- 259: Sigmundsson FG, Kang XP, Jönsson B, Strömquist B. Correlation between disability and MRI findings in lumbar spinal stenosis: a prospective study of 109 patients operated on by decompression. *Acta Orthop.* 2011 Apr;82(2):204-10. doi: 10.3109/17453674.2011.566150. Epub 2011 Mar 24. PMID: 21434811; PMCID: PMC3235292.
- 260: Elfving M, Lundgren J, Englund E, Strömblad LG, Erfurth EM. Ectopic recurrence of a craniopharyngioma in a 15-year-old girl 9 years after surgery and conventional radiotherapy: case report. *Childs Nerv Syst.* 2011 May;27(5):845-51. doi: 10.1007/s00381-010-1375-8. Epub 2011 Jan 11. PMID: 21221975.
- 261: Abul-Kasim K, Nilsson T, Turesson C. Intracranial manifestations in SAPHO syndrome: the first case report in literature. *Rheumatol Int.* 2012 Jun;32(6):1797-9. doi: 10.1007/s00296-010-1464-8. Epub 2010 Mar 30. PMID: 20352220.
- 262: Nittby H, Grafström G, Tian DP, Malmgren L, Brun A, Persson BR, Salford LG, Eberhardt J. Cognitive impairment in rats after long-term exposure to GSM-900 mobile phone radiation. *Bioelectromagnetics.* 2008 Apr;29(3):219-32. doi: 10.1002/bem.20386. PMID: 18044737.
- 263: Hesselgard K, Reinstrup P, Stromblad LG, Undén J, Romner B. Selective dorsal rhizotomy and postoperative pain management. A worldwide survey. *Pediatr Neurosurg.* 2007;43(2):107-12. doi: 10.1159/000098382. PMID: 17337921.
- 264: Dyhre H, Söderberg L, Björkman S, Carlsson C. Local anesthetics in lipid- depot formulations—neurotoxicity in relation to duration of effect in a rat model. *Reg Anesth Pain Med.* 2006 Sep-Oct;31(5):401-8. doi: 10.1016/j.rapm.2006.05.008. PMID: 16952810.
- 265: Lundkvist A, Hägglund G. Orthopaedic surgery after selective dorsal rhizotomy. *J Pediatr Orthop B.* 2006 Jul;15(4):244-6. doi: 10.1097/01202412-200607000-00002. Erratum in: *J Pediatr Orthop B.* 2010 May;19(3):287. PMID: 16751731.
- 266: Van Westen D, Skagerberg G, Olsrud J, Fransson P, Larsson EM. Functional magnetic resonance imaging at 3T as a clinical tool in patients with intracranial tumors. *Acta Radiol.* 2005 Oct;46(6):599-609. doi: 10.1080/02841850510021652. PMID: 16334841.
- 267: Bynke G, Zemack G, Bynke H, Romner B. Ventriculoperitoneal shunting for idiopathic intracranial hypertension. *Neurology.* 2004 Oct 12;63(7):1314-6. doi: 10.1212/01.wnl.0000140699.43019.48. PMID: 15477563.

268: Christensson D, Säveland H, Rydholm U. Cervical spine surgery in rheumatoid arthritis. A Swedish nation-wide registration of 83 patients. *Scand J Rheumatol.* 2000;29(5):314-9. doi: 10.1080/030097400447705. PMID: 11093598.

269: Knöös T, Kristensen I, Nilsson P. Volumetric and dosimetric evaluation of radiation treatment plans: radiation conformity index. *Int J Radiat Oncol Biol Phys.* 1998 Dec 1;42(5):1169-76. doi: 10.1016/s0360-3016(98)00239-9. PMID: 9869245. Nittby et al undertook a retrospective study, including a cohort of all patients operated on at the Department of Neurosurgery in Lund during the years 2011-2014, with the aim to define the time windows for clinical deterioration and reoperation, and whether risk factors such as anticoagulant agents/antiplatelet therapy, emergency versus elective surgery and abnormal coagulation blood values were present. We also defined the type of surgery resulting in postoperative haematoma and tried to find the clinical state of the patients when they deteriorated, as well as the outcome at 3 months postoperatively.

During the time period from June 2011 to November 2014, a total of 7,055 surgical procedures of all kinds were registered at our department. By the search for the diagnosis codes AWE00 and AWD00 (reoperation for deep haemorrhage and for superficial haemorrhage respectively), we identified 93 reoperations, meaning a percentage of 1.3 %. Thirty-four of the reoperations were done within the first 24 h. Twenty-four patients were reoperated on >24 h but ≤72 h after the first operation. Only four patients who were initially doing well postoperatively showed a delayed clinical deterioration within the time frame from >6 h and ≤24 h postoperatively. This means that 0.06 % of the patients who were operated upon were doing well initially, being completely awake and with no new neurological deficit and no deterioration within the first 6 h postoperatively, and then deteriorated from a postoperative haematoma within the time frame of >6 h and ≤24 h postoperatively.

They could conclude that no exact time window distinguished very early from somewhat later postoperative haematomas. However, all but two patients deteriorating between 6 and 24 h after the operation had at least one of the following risk factors defined for post-operative haematoma: meningioma surgery, anticoagulant agents/antiplatelet therapy prior to surgery (including Dalteparin [Fragmin®], Enoxaparin sodium [Klexane®], Warfarin [Waran®], ASA [Trombyl®] or ASA and caffeine [Treo®]), emergency operation, posterior fossa surgery or chronic subdural haematoma in a patient with a shunt. This material is too small to make any definitive conclusions, but a suggestion could be to include these factors when considering the transfer of a patient from the postoperative intensive care unit to the regular ward ¹⁾.

¹⁾

Nittby HR, Maltese A, Ståhl N. Early postoperative haematomas in neurosurgery. *Acta Neurochir (Wien).* 2016 May;158(5):837-46. doi: 10.1007/s00701-016-2778-4. Epub 2016 Mar 28. PubMed PMID: 27020442.

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