

Publikationen 2021

1. Altersberger VL, Stolze LJ, Heldner MR, Henon H, Martinez-Majander N, Hametner C, Nordanstig A, Zini A, Nannoni S, Gonçalves B, Nolte CH, Baumgartner P, Kastrup A, Papanagiotou P, Kägi G, Leker RR, Zedde M, Padovani A, Pezzini A, Padjen V, Cereda CW, Ntaios G, Bonati LH, Rinkel LA, Fischer U, Scheitz JF, Wegener S, Turc G, Michel P, Gentile M, Rentzos A, Ringleb PA, Curtze S, Cordonnier C, Arnold M, Nederkoorn PJ, Engelter ST, Gensicke H; TRISP Collaborators. Maintenance of Acute Stroke Care Service During the COVID-19 Pandemic Lockdown. **Stroke**. 2021 May;52(5):1693-1701
2. Althaus K, Möller P, Uzun G, Singh A, Beck A, Bettag M, Bösmüller H, Guthoff M, Dorn F, Petzold GC, Henkes H, Heyne N, Jumaa H, Kreiser K, Limpach C, Luz B, Maschke M, Müller JA, Münch J, Nagel S, Pötzsch B, Müller J, Schlegel C, Viardot A, Bänzner H, Wolf M, Pelzl L, Warm V, Willinek WA, Steiner J, Schneiderhan-Marra N, Vollherbst D, Sachs UJ, Fend F, Bakchoul T. Antibody-mediated procoagulant platelets in SARS-CoV-2-vaccination associated immune thrombotic thrombocytopenia. **Haematologica**. 2021 Aug 1;106(8):2170-2179
3. Andermann M, Günther M, Patterson RD, Rupp A. Early cortical processing of pitch height and the role of adaptation and musicality. **Neuroimage**. 2021 Jan 15;225:117501:1-13
4. Asseyer S, Henke E, Trebst C, Hümmert MW, Wildemann B, Jarius S, Ringelstein M, Aktas O, Pawlitzki M, Korsen M, Klotz L, Siebert N, Ruprecht K, Bellmann-Strobl J, Wernecke KD, Häußler V, Havla J, Gahlen A, Gold R, Paul F, Kleiter I, Azyenberg I; Neuromyelitis Optica Study Group. Pain, depression, and quality of life in adults with MOG-antibody-associated disease. **Eur J Neurol**. 2021 May;28(5):1645-1658
5. Azyenberg I, Richter D, Henke E, Asseyer S, Paul F, Trebst C, Hümmert MW, Havla J, Kümpfel T, Ringelstein M, Aktas O, Wildemann B, Jarius S, Häußler V, Stellmann JP, Senel M, Klotz L, Pellkofer HL, Weber MS, Pawlitzki M, Rommer PS, Berthele A, Wernecke KD, Hellwig K, Gold R, Kleiter I; NEMOS (Neuromyelitis Optica Study Group). Pain, Depression, and Quality of Life in Neuromyelitis Optica Spectrum Disorder: A Cross-Sectional Study of 166 AQP4 Antibody-Seropositive Patients. **Neurol Neuroimmunol Neuroinflamm**. 2021 Apr 20;8(3):e985:1-16
6. Azorín DD, Winkler F. Two routes of direct intercellular communication in brain cancer. **Biochem J**. 2021 Mar 26;478(6):1283-1286
7. Bakr A, Hey J, Sigismondo G, Liu CS, Sadik A, Goyal A, Cross A, Iyer RL, Müller P, Trauernicht M, Breuer K, Lutsik P, Opitz CA, Krijgsveld J, Weichenhan D, Plass C, Popanda O, Schmezer P. ID3 promotes homologous recombination via non-transcriptional and transcriptional mechanisms and its loss confers sensitivity to PARP inhibition. **Nucleic Acids Res**. 2021 Nov 18;49(20):11666-11689
8. Balint B, Ogawa T, Ogaki K, Daida K, Nishimaki T, Ando M, Kawajiri S, Wada R, Noda K, Hattori N, Okuma Y, Barsottini O. Commentary: Progressive Encephalomyelitis with Rigidity and Myoclonus and Myasthenia Gravis Comorbid Status with Thymoma. **Mov Disord Clin Pract**. 2021 Sep 3;8(Suppl 1):S14-S15
9. Balint B, Bhatia KP. Autoimmune movement disorders with neuronal antibodies - an update. **Curr Opin Neurol**. 2021 Aug 1;34(4):565-571
10. Balint B. Are Antibody Panels Under-Utilized in Movement Disorders Diagnosis? Yes. **Mov Disord Clin Pract**. 2021 Mar 25;8(3):341-346

11. [Balint B](#), Mulroy E, Gövert F, Latorre A, Di Lazarro G, Erro R, Batla A, Holton JL, Miki Y, Warner TT, Bhatia KP. Development of parkinsonism after long-standing cervical dystonia - A cohort. **J Neurol Sci**. 2021 Aug 15;427:117477:1-8
12. [Balint B](#), Bhatia KP, Dalmau J. Reply to: Comparing VUS and AUS: Parallels and Differences in Neurogenetics and Neuroimmunology. **Mov Disord**. 2021 Oct;36(10):2454-2456
13. [Balint B](#), Bhatia KP, Dalmau J. "Antibody of Unknown Significance" (AUS): The Issue of Interpreting Antibody Test Results. **Mov Disord**. 2021 Jul;36(7):1543-1547
14. Barlinn J, Winzer S, Worthmann H, Urbanek C, Häusler KG, Günther A, Erdur H, Görtler M, [Busetto L](#), Wojciechowski C, Schmitt J, Shah Y, Büchele B, Sokolowski P, Kraya T, Merkelbach S, Rosengarten B, Stangenberg-Gliss K, Weber J, Schlachetzki F, Abu-Mugheisib M, Petersen M, Schwartz A, Palm F, Jowaed A, Volbers B, Zickler P, Remi J, Bardutzky J, Bösel J, Audebert HJ, Hubert GJ, [Gumbinger C](#). Telemedicine in stroke-pertinent to stroke care in Germany. **Nervenarzt**. 2021 Jun;92(6):593-601
15. Bassand JP, Virdone S, Badoz M, Verheugt FWA, Camm AJ, Cools F, Fox KAA, Goldhaber SZ, Goto S, Haas S, [Hacke W](#), Kayani G, Misselwitz F, Pieper KS, Turpie AGG, van Eickels M, Kakkar AK. Bleeding and related mortality with NOACs and VKAs in newly diagnosed atrial fibrillation: results from the GARFIELD-AF registry. **Blood Adv**. 2021 Feb 23;5(4):1081-1091
16. Bassand J, Virdone S, Verheugt FWA, Camm AJ, Cools F, Fox KAA, Goldhaber SZ, Goto S, Haas S, [Hacke W](#), Kayani G, Misselwitz F, Pieper KS, Turpie AGG, Kakkar AK, GARFIELD-AF Investigators. Impact of NOAC and VKA on outcome of patients with newly diagnosed atrial fibrillation and diabetes: a report from the GARFIELD-AF registry. *European Heart Journal* 2021;42(1_SUPPL)468
17. Bassand JP, Apenteng PN, Atar D, Camm AJ, Cools F, Corbalan R, Fitzmaurice DA, Fox KA, Goto S, Haas S, [Hacke W](#), Jerjes-Sanchez C, Koretsune Y, Heuzey JL, Sawhney JP, Oh S, Stępińska J, Cate VT, Verheugt FW, Kayani G, Pieper KS, Kakkar AK, Garfield-Af Investigators FT. GARFIELD-AF: a worldwide prospective registry of patients with atrial fibrillation at risk of stroke. **Future Cardiol**. 2021 Jan;17(1):19-38
18. Bayas A, Hemmer B, Warnke C, Wildemann B. S2k-Leitlinie der DGN zur Therapie der multiplen Sklerose: zielgerichteter Einsatz von Immuntherapien. **DGNeurologie**. 2021;(4):535-539
19. Bayas A, Berthele A, Hemmer B, Warnke C, [Wildemann B](#). Controversy on the treatment of multiple sclerosis and related disorders: positional statement of the expert panel in charge of the 2021 DGN Guideline on diagnosis and treatment of multiple sclerosis, neuromyelitis optica spectrum diseases and MOG-IgG-associated disorders. **Neurol Res Pract**. 2021 Aug 6;3(1):45:1-7
20. Becktepe J, Gövert F, [Balint B](#), Schlenstedt C, Bhatia K, Elble R, Deuschl G. Exploring Interrater Disagreement on Essential Tremor Using a Standardized Tremor Elements Assessment. **Mov Disord Clin Pract**. 2021 Feb 12;8(3):371-376
21. [Berghoff AS](#), [Liao Y](#), [Karreman MA](#), [Ilhan-Mutlu A](#), [Gunkel K](#), [Sprick MR](#), [Eisen C](#), [Kessler T](#), [Osswald M](#), [Wunsche S](#), [Feinauer M](#), [Gril B](#), [Marme F](#), [Michel LL](#), [Bago-Horvath Z](#), [Sahm F](#), [Becker N](#), [Breckwoldt MO](#), [Solecki G](#), [Gommel M](#), [Huang L](#), [Rubmann P](#), [Thome CM](#), [Ratliff M](#), [Trumpp A](#), [Steege PS](#), [Preusser M](#), [Wick W](#), [Winkler F](#). Identification and characterization of cancer cells that initiate metastases to the brain and other organs. **Mol Cancer Res**. 2021 Apr;19(4):688-701

22. Best JG, Ambler G, Wilson D, Lee KJ, Lim JS, Shiozawa M, Koga M, Li L, Lovelock C, Chabriat H, Hennerici M, Wong YK, Mak HKF, Prats-Sanchez L, Martínez-Domeño A, Inamura S, Yoshifuji K, Arsava EM, [Horstmann S](#), [Purrucker J](#), Lam BYK, Wong A, Kim YD, Song TJ, Lemmens R, Eppinger S, Gattringer T, Uysal E, Tanriverdi Z, Bornstein NM, Ben Assayag E, Hallevi H, Molad J, Nishihara M, Tanaka J, Coutts SB, Polymeris A, Wagner B, Seiffge DJ, Lyrer P, Algra A, Kappelle LJ, Al-Shahi Salman R, Jäger HR, Lip GYH, Fischer U, El-Koussy M, Mas JL, Legrand L, Karayiannis C, Phan T, Gunkel S, Christ N, Abrigo J, Leung T, Chu W, Chappell F, Makin S, Hayden D, Williams DJ, Mess WH, Nederkoorn PJ, Barbato C, Browning S, Wiegertjes K, Tuladhar AM, Maaijwee N, Guevarra AC, Yatawara C, Mendyk AM, Delmaire C, Köhler S, van Oostenbrugge R, Zhou Y, Xu C, Hilal S, Gyanwali B, Chen C, Lou M, Staals J, Bordet R, Kandiah N, de Leeuw FE, Simister R, Hendrikse J, Kelly PJ, Wardlaw J, Soo Y, Fluri F, Srikanth V, Calvet D, Jung S, Kwa VIH, Engelter ST, Peters N, Smith EE, Hara H, Yakushiji Y, Orken DN, Fazekas F, Thijs V, Heo JH, Mok V, [Veltkamp R](#), Ay H, Imaizumi T, Gomez-Anson B, Lau KK, Jouvent E, Rothwell PM, Toyoda K, Bae HJ, Marti-Fabregas J, Werring DJ; Microbleeds International Collaborative Network. Development of imaging-based risk scores for prediction of intracranial haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. **Lancet Neurol**. 2021 Apr;20(4):294-303
23. Blobner J, Kilian M, Tan CL, Aslan K, Sanghvi K, Meyer J, Fischer M, Jähne K, Breckwolddt MO, Sahm F, von Deimling A, Bendszus M, [Wick W](#), Platten M, Green E, Bunse L. Comparative evaluation of T-cell receptors in experimental glioma-draining lymph nodes. **Neurooncol Adv**. 2021; 3(1):1–10
24. Blumer V, Rivera M, Corbalán R, Becker RC, Berkowitz SD, Breithardt G, [Hacke W](#), Halperin JL, Hankey GJ, Mahaffey KW, Nessel CC, Piccini JP, Hellkamp AS, Singer DE, Fox KAA, Patel MR. Rivaroxaban versus warfarin in patients with atrial fibrillation enrolled in Latin America: Insights from ROCKET AF. **Am Heart J**. 2021 Jun;236:4-12
25. Bonati LH, Kakkos S, Berkefeld J, de Borst GJ, Bulbulia R, Halliday A, van Herzelee I, Koncar I, McCabe DJ, Lal A, Ricco JB, [Ringleb P](#), Taylor-Rowan M, Eckstein HH. European Stroke Organisation guideline on endarterectomy and stenting for carotid artery stenosis. **Eur Stroke J**. 2021 Jun;6(2):I-XLVII
26. Bose G, Graveline J, Yogendrakumar V, Shorr R, Fergusson DA, Le Gal G, Coutinho J, Mendonça M, Viana-Baptista M, [Nagel S](#), Dowlathshahi D. Direct oral anticoagulants in treatment of cerebral venous thrombosis: a systematic review. **BMJ Open**. 2021 Feb 16;11(2):e040212:1-11
27. Broderick JP, Grotta JC, Naidech AM, [Steiner T](#), Sprigg N, Toyoda K, Dowlathshahi D, Demchuk AM, Selim M, Mocco J, Mayer S. The Story of Intracerebral Hemorrhage: From Recalcitrant to Treatable Disease. **Stroke**. 2021 May;52(5):1905-1914
28. [Burth S](#), [Ohmann M](#), Kronsteiner D, Kieser M, [Löw S](#), [Riedemann L](#), Laible M, [Berberich A](#), [Drüschler K](#), [Rizos T](#), [Wick A](#), [Winkler F](#), [Wick W](#), [Nagel S](#). Prophylactic anticoagulation in patients with glioblastoma or brain metastases and atrial fibrillation: an increased risk for intracranial hemorrhage? **J Neurooncol**. 2021 May;152(3):483-490
29. Caramanna I, Bottomley A, Drijver AJ, Twisk J, van den Bent M, Idbaih A, [Wick W](#), Pe M, Klein M, Reijneveld JC; EORTC Quality of Life Group and Brain Tumour Group. Objective neurocognitive functioning and neurocognitive complaints in patients with high-grade glioma: Evidence of cognitive awareness from the European Organisation for Research and Treatment of Cancer brain tumour clinical trials. **Eur J Cancer**. 2021 Feb;144:162-168

30. [Chen M](#), [Kronsteiner D](#), [Pfaff J](#), [Schieber S](#), [Jäger LB](#), [Bendszus M](#), [Kieser M](#), [Möhlenbruch M](#), [Ringleb P](#), [Bösel J](#), [Schönenberger S](#). Hemodynamic status during endovascular stroke treatment: Association of blood pressure with functional outcome. **Neurocrit Care**. 2021 Dec;35(3):825-834
31. [Chen M](#), [Kronsteiner D](#), [Möhlenbruch MA](#), [Kieser M](#), [Bendszus M](#), [Wick W](#), [Nagel S](#), [Ringleb PA](#), [Schönenberger S](#). Individualized blood pressure management during endovascular treatment of acute ischemic stroke under procedural sedation (INDIVIDUATE) – An explorative randomized controlled trial. **Eur Stroke J**. 2021 Sep;6(3):276-282
32. [Chen M](#), [Kronsteiner D](#), [Pfaff JAR](#), [Schieber S](#), [Bendszus M](#), [Kieser M](#), [Wick W](#), [Möhlenbruch MA](#), [Ringleb PA](#), [Bösel J](#), [Schönenberger S](#). Emergency intubation during thrombectomy for acute ischemic stroke in patients under primary procedural sedation. **Neurol Res Pract**. 2021 May 17;3(1):27:1-8
33. [Chuntova P](#), [Chow F](#), [Watchmaker PB](#), [Galvez M](#), [Heimberger AB](#), [Newell EW](#), [Diaz A](#), [DePinho RA](#), [Li MO](#), [Wherry EJ](#), [Mitchell D](#), [Terabe M](#), [Wainwright DA](#), [Berzofsky JA](#), [Herold-Mende C](#), [Heath JR](#), [Lim M](#), [Margolin KA](#), [Chiocca EA](#), [Kasahara N](#), [Ellingson BM](#), [Brown CE](#), [Chen Y](#), [Fecci PE](#), [Reardon DA](#), [Dunn GP](#), [Liau LM](#), [Costello JF](#), [Wick W](#), [Cloughesy T](#), [Timmer WC](#), [Wen PY](#), [Prins RM](#), [Platten M](#), [Okada H](#). Unique challenges for glioblastoma immunotherapy-discussions across neuro-oncology and non-neuro-oncology experts in cancer immunology. Meeting Report from the 2019 SNO Immuno-Oncology Think Tank. **Neuro Oncol**. 2021 Mar 25;23(3):356-375
34. [Cooray C](#), [Karlinski M](#), [Kobayashi A](#), [Ringleb P](#), [Körv J](#), [Macleod MJ](#), [Dixit A](#), [Azevedo E](#), [Bladin C](#), [Ahmed N](#). Safety and early outcomes after intravenous thrombolysis in acute ischemic stroke patients with prestroke disability. **Int J Stroke**. 2021 Aug;16(6):710-718
35. [D'Anna L](#), [Filippidis FT](#), [Harvey K](#), [Marinescu M](#), [Bentley P](#), [Korompoki E](#), [Veltkamp R](#). Extent of white matter lesion is associated with early hemorrhagic transformation in acute ischemic stroke related to atrial fibrillation. **Brain Behav**. 2021 Aug;11(8):e2250:1-8
36. [De Rosa A](#), [Balint B](#), [Kumar KR](#). Editorial: Genetics of Paroxysmal Movement Disorders. **Front Neurol**. 2021 Sep 28;12:752000:1-3
37. [Deschauer M](#), [Hengel H](#), [Rupprich K](#), [Kreiß M](#), [Schlotter-Weigel B](#), [Grimmel M](#), [Admard J](#), [Schneider I](#), [Alhaddad B](#), [Gazou A](#), [Sturm M](#), [Vorgerd M](#), [Balousha G](#), [Balousha O](#), [Falna M](#), [Kirschke JS](#), [Kornblum C](#), [Jordan B](#), [Kraya T](#), [Strom TM](#), [Weis J](#), [Schöls L](#), [Schara U](#), [Zierz S](#), [Riess O](#), [Meitinger T](#), [Haack TB](#). Bi-allelic truncating mutations in VWA1 cause neuromyopathy. **Brain**. 2021 Mar 3;144(2):574-583
38. [Diallo A](#), [Jacobi H](#), [Tezenas du Montcel S](#), [Klockgether T](#). Natural history of most common spinocerebellar ataxia: a systematic review and meta-analysis. **J Neurol**. 2021 Aug;268(8):2749-2756
39. [Dohrn MF](#), [Auer-Grumbach M](#), [Baron R](#), [Birklein F](#), [Escolano-Lozano F](#), [Geber C](#), [Grether N](#), [Hagenacker T](#), [Hund E](#), [Sachau J](#), [Schilling M](#), [Schmidt J](#), [Schulte-Mattler W](#), [Sommer C](#), [Weiler M](#), [Wunderlich G](#), [Hahn K](#). Chance or challenge, spoilt for choice? New recommendations on diagnostic and therapeutic considerations in hereditary transthyretin amyloidosis with polyneuropathy: the German/Austrian position and review of the literature. **J Neurol**. 2021 Oct;268(10):3610-3625
40. [Dobrovinskaia S](#), [Sahm F](#), [Thier MC](#), [Bendszus M](#), [Wick W](#), [Seliger C](#), [Kaulen LD](#). Primary CNS lymphoma after CLIPPERS: a case series. **J Neurol Neurosurg Psychiatry**. 2021 Dec;92(12):1348-1349

41. Faber J, Schaprian T, Berkan K, Reetz K, França MC Jr, de Rezende TJR, Hong J, Liao W, van de Warrenburg B, van Gaalen J, Durr A, Mochel F, Giunti P, Garcia-Moreno H, Schoels L, Hengel H, Synofzik M, Bender B, Oz G, Joers J, de Vries JJ, Kang JS, Timmann-Braun D, Jacobi H, Infante J, Joules R, Romanzetti S, Diedrichsen J, Schmid M, Wolz R, Klockgether T. Regional Brain and Spinal Cord Volume Loss in Spinocerebellar Ataxia Type 3. **Mov Disord**. 2021 Oct;36(10):2273-2281
42. Fairless R, Bading H, Diem R. Pathophysiological Ionotropic Glutamate Signalling in Neuroinflammatory Disease as a Therapeutic Target. **Front Neurosci**. 2021 Oct 21;15:741280:1-16
43. Fasano A, Prakash P, Bledsoe IO, Balint B. Commentary: Paraneoplastic Syndrome Associated with Kelch-Like Protein 11 Antibodies Presenting with Progressive Ataxia and Tremor. **Mov Disord Clin Pract**. 2021 Sep 3;8(Suppl 1):S45-S46
44. Feil K, Adrion C, Boesch S, Doss S, Giordano I, Hengel H, Jacobi H, Klockgether T, Klopstock T, Nachbauer W, Schöls L, Steiner KM, Stendel C, Timmann D, Naumann I, Mansmann U, Strupp M; ALCAT Study Group. Safety and Efficacy of Acetyl-DL-Leucine in Certain Types of Cerebellar Ataxia: The ALCAT Randomized Clinical Crossover Trial. **JAMA Netw Open**. 2021 Dec 1;4(12):e2135841
45. Feinauer MJ, Schneider SW, Berghoff AS, Robador JR, Tehrani C, Karreman MA, Venkataramani V, Solecki G, Grosch JK, Gunkel K, Kovalchuk B, Mayer FT, Fischer M, Breckwoldt MO, Brune M, Schwab Y, Wick W, Bauer AT, Winkler F. Local blood coagulation drives cancer cell arrest and brain metastasis in a mouse model. **Blood**. 2021 Mar 4;137(9):1219-1232
46. Fisch U, von Felten S, Wiencierz A, Jansen O, Howard G, Hendrikse J, Halliday A, Fraedrich G, Eckstein HH, Calvet D, Bulbulia R, Becquemin JP, Algra A, Rothwell P, Ringleb P, Mas JL, Brown MM, Brott TG, Bonati LH; Carotid Stenosis Trialists' Collaboration. Editor's Choice - Risk of Stroke before Revascularisation in Patients with Symptomatic Carotid Stenosis: A Pooled Analysis of Randomised Controlled Trials. **Eur J Vasc Endovasc Surg**. 2021 Jun;61(6):881-887
47. Freigang M, Wurster CD, Hagenacker T, Stolte B, Weiler M, Kamm C, Schreiber-Katz O, Osmanovic A, Petri S, Kowski A, Meyer T, Koch JC, Cordts I, Deschauer M, Lingor P, Aust E, Petzold D, Ludolph AC, Falkenburger B, Hermann A, Günther R. Serum creatine kinase and creatinine in adult spinal muscular atrophy under nusinersen treatment. **Ann Clin Transl Neurol**. 2021 May;8(5):1049-1063
48. Friedrich M, Sankowski R, Bunse L, Kilian M, Green E, Ramallo Guevara C, Pusch S, Poschet G, Sanghvi K, Hahn M, Bunse T, Münch P, Gegner HM, Sonner JK, von Landenberg A, Cichon F, Aslan K, Trobisch T, Schirmer L, Abu-Sammour D, Kessler T, Ratliff M, Schimpf D, Sahn F, Hopf C, Heiland DH, Schnell O, Beck J, Böttcher C, Fernandez-Zapata C, Priller J, Heiland S, Gutcher I, Quintana FJ, von Deimling A, Wick W, Prinz M, Platten M. Tryptophan metabolism drives dynamic immunosuppressive myeloid states in IDH-mutant gliomas. **Nat Cancer**. 2021 Jul;2(7):723-740
49. Gärtner K, Gutschalk A. Auditory cortex activity related to perceptual awareness versus masking of tone sequences. **Neuroimage**. 2021 Mar;228:117681:1-8
50. Gatto EM, Walker RH, Gonzalez C, Cesarini M, Cossu G, Stephen CD, Balint B, Rodríguez-Violante M, Jankovic J, Morgante F, Jinnah HA; Rare Movement Disorders Study Group of the International Parkinson Disease, Movement Disorders Society. Worldwide barriers to genetic testing for movement disorders. **Eur J Neurol**. 2021 Jun;28(6):1901-1909

51. [Geisbüsch C](#), [Herweh C](#), [Gumbinger C](#), [Ringleb PA](#), [Möhlenbruch MA](#), [Nagel S](#). Chronic intracranial hypertension after cerebral venous and sinus thrombosis - frequency and risk factors. **Neurol Res Pract**. 2021 May 17;3(1):28:1-8
52. [Ghaseddin A](#), [Hoang Minh LB](#), [Janiszewska M](#), [Shin D](#), [Wick W](#), [Mitchell DA](#), [Wen PY](#), [Grossman SA](#). Adult precision medicine: learning from the past to enhance the future. **Neurooncol Adv**. 2021;3(1):1–11
53. [Golkowski D](#), [Willnecker R](#), [Rösler J](#), [Ranft A](#), [Schneider G](#), [Jordan D](#), [Ilg R](#). Dynamic Patterns of Global Brain Communication Differentiate Conscious From Unconscious Patients After Severe Brain Injury. **Front Syst Neurosci**. 2021 Sep 9;15:625919:1-9
54. [Górska U](#), [Rupp A](#), [Celikel T](#), [Englitz B](#). Assessing the state of consciousness for individual patients using complex, statistical stimuli. **Neuroimage Clin**. 2021;29:102471:1-13
55. [Gramatzki D](#), [Felsberg J](#), [Hentschel B](#), [Wolter M](#), [Schackert G](#), [Westphal M](#), [Regli L](#), [Thon N](#), [Tatagiba M](#), [Wick W](#), [Schlegel U](#), [Krex D](#), [Matschke J](#), [Roth P](#), [Suresh MP](#), [Kamp MA](#), [Rushing EJ](#), [Pietsch T](#), [von Deimling A](#), [Sabel M](#), [Loeffler M](#), [Weller M](#), [Reifenberger G](#). Telomerase reverse transcriptase promoter mutation- and O6-methylguanine DNA methyltransferase promoter methylation-mediated sensitivity to temozolomide in isocitrate dehydrogenase-wild-type glioblastoma: is there a link? **Eur J Cancer**. 2021 Apr;147:84-94
56. [Grobe-Einsler M](#), [Taheri Amin A](#), [Faber J](#), [Schaprian T](#), [Jacobi H](#), [Schmitz-Hübsch T](#), [Diallo A](#), [Tezenas du Montcel S](#), [Klockgether T](#). Development of SARAtome , a New Video-Based Tool for the Assessment of Ataxia at Home. **Mov Disord**. 2021 May;36(5):1242-1246
57. [Grundtvig J](#), [Ovesen C](#), [Havsteen I](#), [Christensen T](#), [Gaist D](#), [Iversen HK](#), [Kruuse C](#), [Lilja-Cyron A](#), [Ægidius K](#), [Rosenbaum S](#), [Meden P](#), [Marstrand J](#), [Christensen L](#), [Steiner T](#), [Christensen H](#). Trends in incidence of oral anticoagulant-related intracerebral hemorrhage and sales of oral anticoagulants in Capital Region of Denmark 2010-2017. **Eur Stroke J**. 2021 Jun;6(2):143-150
58. [Haas J](#), [Rudolph H](#), [Costa L](#), [Faller S](#), [Libicher S](#), [Würthwein C](#), [Jarius S](#), [Ishikawa H](#), [Stump-Guthier C](#), [Tenenbaum T](#), [Schwerk C](#), [Schroten H](#), [Wildemann B](#). The Choroid Plexus Is Permissive for a Preactivated Antigen-Experienced Memory B-Cell Subset in Multiple Sclerosis. **Front Immunol**. 2021 Jan 26;11:618544
59. [Hacke W](#). Telemedizinische Versorgung beim Schlaganfall. **Nervenarzt**. 2021 Jun;92(6):591-592
60. [Hacke W](#). Neurological research and practice: the first milestone has been reached. **Neurol Res Pract**. 2021 Jan 13;3:1-3
61. [Haeusler KG](#), [Kirchhof P](#), [Kunze C](#), [Tütüncü S](#), [Fiessler C](#), [Malsch C](#), [Olma MC](#), [Jawad-UI-Qamar M](#), [Krämer M](#), [Wachter R](#), [Michalski D](#), [Kraft A](#), [Rizos T](#), [Gröschel K](#), [Thomalla G](#), [Nabavi DG](#), [Röther J](#), [Laufs U](#), [Veltkamp R](#), [Heuschmann PU](#), [Endres M](#); MonDAFIS Investigators. Systematic monitoring for detection of atrial fibrillation in patients with acute ischaemic stroke (MonDAFIS): a randomised, open-label, multicentre study. **Lancet Neurol**. 2021 Jun;20(6):426-436
62. [Hahn A](#), [Bode J](#), [Alexander A](#), [Karimian-Jazi K](#), [Schregel K](#), [Schwarz D](#), [Sommerkamp AC](#), [Krüwel T](#), [Abdollahi A](#), [Wick W](#), [Platten M](#), [Bendszus M](#), [Tews B](#), [Kurz FT](#), [Breckwoldt MO](#). Large-scale characterization of the microvascular geometry in development and disease by tissue clearing and quantitative ultramicroscopy. **J Cereb Blood Flow Metab**. 2021 Jul;41(7):1536-1546

63. Hau P, Frappaz D, Hovey E, McCabe MG, Pajtler KW, Wiestler B, Seidel C, Combs SE, Dirven L, Klein M, Anazodo A, Hattingen E, Hofer S, Pfister SM, Zimmer C, Kortmann RD, Sunyach MP, Tanguy R, Effenev R, von Deimling A, Sahm F, Rutkowski S, Berghoff AS, Franceschi E, Pineda E, Beier D, Peeters E, Gorlia T, Vanlancker M, Bromberg JEC, Gautier J, Ziegler DS, Preusser M, [Wick W](#), Weller M. Development of Randomized Trials in Adults with Medulloblastoma-The Example of EORTC 1634-BTG/NOA-23. **Cancers (Basel)**. 2021 Jul 9;13(14):3451:1-20
64. Herweh C, Abdalkader M, Nguyen TN, Puetz V, Schöne D, Kaiser D, Chen CH, Jeng JS, Möhlenbruch MA, [Ringleb PA](#), [Nagel S](#). Mechanical Thrombectomy in Isolated Occlusion of the Proximal Posterior Cerebral Artery. **Front Neurol**. 2021 Jul 29;12:697348
65. [Heyse M](#), [Schneider C](#), Monostori P, Schwarz KV, Hauke J, [Drüschler K](#), [Berberich A](#), Zorn M, [Ringleb PA](#), Okun JG, [Mundiyanapurath S](#). Trimethylamine-N-Oxide Levels Are Similar in Asymptomatic vs. Symptomatic Cerebrovascular Atherosclerosis. **Front Neurol**. 2021 Mar 19;12:617944
66. Hilkens NA, Algra A, Diener HC, Bath PM, Csiba L, [Hacke W](#), Kappelle LJ, Koudstaal PJ, Leys D, Mas JL, Sacco RL, Greving JP. Balancing Benefits and Risks of Long-Term Antiplatelet Therapy in Noncardioembolic Transient Ischemic Attack or Stroke. **Stroke**. 2021 Oct;52(10):3258-3265
67. Howard VJ, Algra A, Howard G, Bonati LH, de Borst GJ, Bulbulia R, Calvet D, Eckstein HH, Fraedrich G, Greving JP, Halliday A, Hendrikse J, Jansen O, Brown MM, Mas JL, [Ringleb PA](#), Brott TG; Carotid Stenosis Trialists' Collaboration. Absence of Consistent Sex Differences in Outcomes From Symptomatic Carotid Endarterectomy and Stenting Randomized Trials. **Stroke**. 2021 Jan;52(2):416-423
68. Hübener-Schmid J, Kuhlbrodt K, Peladan J, Faber J, Santana MM, Hengel H, [Jacobi H](#), Reetz K, Garcia-Moreno H, Raposo M, van Gaalen J, Infante J, Steiner KM, de Vries J, Verbeek MM, Giunti P, Pereira de Almeida L, Lima M, van de Warrenburg B, Schöls L, Klockgether T, Synofzik M; European Spinocerebellar Ataxia Type-3/Machado-Joseph Disease Initiative (ESMI) Study Group, Riess O. Polyglutamine-Expanded Ataxin-3: A Target Engagement Marker for Spinocerebellar Ataxia Type 3 in Peripheral Blood. **Mov Disord**. 2021 Nov;36(11):2675-2681
69. [Ippen FM](#), [Walter F](#), [Hametner C](#), [Gumbinger C](#), [Nagel S](#), [Purrucker JC](#), [Mundiyanapurath S](#). Age-Dependent Differences in the Rate and Symptoms of TIA Mimics in Patients Presenting With a Suspected TIA to a Neurological Emergency Room. **Front Neurol**. 2021 Feb 15;12:644223:1-7
70. [Jacobi H](#), Minnerop M. Ataxien des Erwachsenenalters. **Nervenarzt**. 2021 Apr;92(4):379-389
71. [Jacobi H](#), Faber J, Timmann D, Klockgether T. Update cerebellum and cognition. **J Neurol**. 2021 Oct;268(10):3921-3925
72. Jadhav AP, [Hacke W](#), Dippel DWJ, Simonsen CZ, Costalat V, Fiehler J, Thomalla G, Bendszus M, Andersson T, Mattle HP, Leslie-Mazwi TM, Mokin M, Yoo AJ, Zaidat OO, Sheth SA, Jovin TG, Liebeskind D. Select wisely: the ethical challenge of defining large core with perfusion in the early time window. **J Neurointerv Surg**. 2021 Jun;13(6):497-499
73. Jaeckle KA, Ballman KV, van den Bent M, Giannini C, Galanis E, Brown PD, Jenkins RB, Cairncross JG, [Wick W](#), Weller M, Aldape KD, Dixon JG, Anderson SK, Cerhan JH, Wefel JS, Klein M, Grossman SA, Schiff D, Raizer JJ, Dhermain F, Nordstrom DG, Flynn PJ, Vogelbaum MA. CODEL: Phase III study of

RT, RT + Temozolomide (TMZ), or TMZ for newly-diagnosed 1p/19q Codeleted Oligodendroglioma. Analysis from the initial study design. **Neuro Oncol.** 2021 Mar 25;23(3):457-467

74. Jamann N, Dannehl D, Lehmann N, Wagener R, Thielemann C, Schultz C, Staiger J, Kole MHP, Engelhardt M. Sensory input drives rapid homeostatic scaling of the axon initial segment in mouse barrel cortex. **Nat Commun.** 2021 Jan 4;12(1):23:1-14
75. Jarius S, Wilken D, Haas J, Ruprecht K, Komorowski L, Wildemann B. Parvovirus B19 and mumps virus antibodies are major constituents of the intrathecal immune response in European patients with MS and increase the diagnostic sensitivity and discriminatory power of the MRZ reaction. **J Neurol.** 2021 Oct;268(10):3758-3765
76. Jarius S, Wildemann B. Aquaporin 4 Antikörper-positive Neuromyelitis optica Spectrum Erkrankungen und Myelinoligodendrozytenglykoprotein Antikörper assoziierte Enzephalomyelitis. Eine Kurzübersicht. **Nervenarzt.** 2021 Apr;92(4):317-333
77. Jayachandran Preetha C, Meredig H, Brugnara G, Mahmutoglu MA, Foltyn M, Isensee F, Kessler T, Pflüger I, Schell M, Neuberger U, Petersen J, Wick A, Heiland S, Debus J, Platten M, Idbaih A, Brandes AA, Winkler F, van den Bent MJ, Nabors B, Stupp R, Maier-Hein KH, Gorlia T, Tonn JC, Weller M, Wick W, Bendszus M, Vollmuth P. Deep-learning-based synthesis of post-contrast T1-weighted MRI for tumour response assessment in neuro-oncology: a multicentre, retrospective cohort study. **Lancet Digit Health.** 2021 Dec;3(12):e784-e794
78. Jordan B, Benesova K, Hassel JC, Wick W, Jordan K. How we identify and treat neuromuscular toxicity induced by immune checkpoint inhibitors. **ESMO Open.** 2021 Dec;6(6):100317:1-6
79. Jordan B, Uer O, Buchholz T, Spens A, Zierz S. Physical fatigability and muscle pain in patients with Hashimoto thyroiditis. **J Neurol.** 2021 Jul;268(7):2441-2449
80. Jung E, Osswald M, Ratliff M, Dogan H, Xie R, Weil S, Hoffmann DC, Kurz FT, Kessler T, Heiland S, von Deimling A, Sahm F, Wick W, Winkler F. Tumor cell plasticity, heterogeneity, and resistance in crucial microenvironmental niches in glioma. **Nat Commun.** 2021 Feb 12;12(1):1014:1-16
81. Karimian-Jazi K, Neuberger U, Schregel K, Brugnara G, Bendszus M, Breckwoldt MO, Schwarz D, Jäger LB, Wick W. Diagnostic value of gadolinium contrast administration for spinal cord magnetic resonance imaging in multiple sclerosis patients and correlative markers of lesion enhancement. **Mult Scler J Exp Transl Clin.** 2021 Nov 26;7(4):20552173211047978:1-9
82. Kessler T, Wick W. Oncolytic virotherapy: Potentially a game-changing tumor treatment. **Cancer Cell.** 2021 Jun 14;39(6):753-755
83. Kilian M, Bunse T, Wick W, Platten M, Bunse L. Genetically Modified Cellular Therapies for Malignant Gliomas. **Int J Mol Sci.** 2021 Nov 26;22(23):12810:1-16
84. Koelsche C, Schrimpf D, Stichel D, Sill M, Sahm F, Reuss DE, Blattner M, Worst B, Heilig CE, Beck K, Horak P, Kreuzfeldt S, Paff E, Stark S, Johann P, Selt F, Ecker J, Sturm D, Pajtler KW, Reinhardt A, Wefers AK, Sievers P, Ebrahimi A, Suwala A, Fernández-Klett F, Casalini B, Korshunov A, Hovestadt V, Kommiss FKF, Kriegsmann M, Schick M, Bewerunge-Hudler M, Milde T, Witt O, Kulozik AE, Kool M, Romero-Pérez L, Grünewald TGP, Kirchner T, Wick W, Platten M, Unterberg A, Uhl M, Abdollahi A, Debus J, Lehner B, Thomas C, Hasselblatt M, Paulus W, Hartmann C, Staszewski O, Prinz M, Hench J, Frank S, Versleijen-Jonkers YMH, Weidema ME, Mentzel T, Griewank K, de Álava E, Martín JD,

- Gastarena MAI, Chang KT, Low SYY, Cuevas-Bourdier A, Mittelbronn M, Mynarek M, Rutkowski S, Schüller U, Mautner VF, Schittenhelm J, Serrano J, Snuderl M, Büttner R, Klingebiel T, Buslei R, Gessler M, Wesseling P, Dinjens WNM, Brandner S, Jaunmuktane Z, Lyskjær I, Schirmacher P, Stenzinger A, Brors B, Glimm H, Heining C, Tirado OM, Sáinz-Jaspeado M, Mora J, Alonso J, Del Muro XG, Moran S, Esteller M, Benhamida JK, Ladanyi M, Wardelmann E, Antonescu C, Flanagan A, Dirksen U, Hohenberger P, Baumhoer D, Hartmann W, Vokuhl C, Flucke U, Petersen I, Mechttersheimer G, Capper D, Jones DTW, Fröhling S, Pfister SM, von Deimling A. Sarcoma classification by DNA methylation profiling. **Nat Commun**. 2021 Jan 21;12(1):498:1-10
85. König N, Stetefeld HR, Dohmen C, Mergenthaler P, Kohler S, Schönenberger S, Bösel J, Lee DH, Gerner ST, Huttner HB, Schneider H, Reichmann H, Fuhrer H, Berger B, Zinke J, Alberty A, Kleiter I, Schneider-Gold C, Roth C, Dunkel J, Steinbrecher A, Thieme A, Schlachetzki F, Linker RA, Angstwurm K, Meisel A, Neumann B; German Myasthenic Crisis Study Group. MuSK-antibodies are associated with worse outcome in myasthenic crisis requiring mechanical ventilation. **J Neurol**. 2021 Dec;268(12):4824-4833
86. Kollmer J, Kessler T, Sam G, Hayes JM, Lentz SI, Heiland S, Bendszus M, Wick W, Weiler M. Magnetization transfer ratio - a quantitative imaging biomarker for 5q spinal muscular atrophy. **Eur J Neurol**. 2021 Jan;28(1):331-340
87. Krebs S, Roth D, Knoflach M, Baubin M, Lang W, Beisteiner R, Purrucker J, Poli S, Sykora M. Design and Derivation of the Austrian Prehospital Stroke Scale (APSS) to Predict Severe Stroke with Large Vessel Occlusion. **Prehosp Emerg Care**. 2021 Nov-Dec;25(6):790-795
88. Kühne Escolà J, Nagel S, Panitz V, Reiff T, Gutschalk A, Gumbinger C, Purrucker JC. Challenges of Acute Ischemic Stroke Treatment in Orally Anticoagulated Patients via Telemedicine. **J Clin Med**. 2021 May 2;10(9):1956:1-10
89. Kühne Escolà J, Nagel S, Verez Sola C, Doroszewski E, Jaschonek H, Gutschalk A, Gumbinger C, Purrucker JC. Diagnostic Accuracy in Teleneurological Stroke Consultations. **J Clin Med**. 2021 Mar 11;10(6):1170:1-10
90. Lagrèze WA, Küchlin S, Ihorst G, Grotejohann B, Beisse F, Volkmann M, Heinrich SP, Albrecht P, Ungewiss J, Wörner M, Hug MJ, Wolf S, Diem R; TONE study group. Safety and efficacy of erythropoietin for the treatment of patients with optic neuritis (TONE): a randomised, double-blind, multicentre, placebo-controlled study. **Lancet Neurol**. 2021 Dec;20(12):991-1000
91. Laible M, Horstmann S, Ringleb PA, Veltkamp R, Jenetzky E, Rizos T. Does Chronic Kidney Disease Have an Impact on the Use of Oral Anticoagulants after Stroke? An Observational Follow-Up Study. **Eur Neurol**. 2021;84(5):354-360
92. Laible M, Jenetzky E, Möhlenbruch M, Bendszus M, Ringleb P, Rizos T. The Impact of Post-contrast Acute Kidney Injury on In-hospital Mortality After Endovascular Thrombectomy in Patients With Acute Ischemic Stroke. **Front Neurol**. 2021;12:665614:1-9
93. Leasure AC, Kuohn LR, Vanent KN, Bevers MB, Kimberly WT, Steiner T, Mayer SA, Matouk CC, Sansing LH, Falcone GJ, Sheth KN. Association of Serum IL-6 (Interleukin 6) With Functional Outcome After Intracerebral Hemorrhage. **Stroke**. 2021 May;52(5):1733-1740
94. Le Rhun E, Guckenberger M, Smits M, Dummer R, Bachelot T, Sahm F, Galldiks N, de Azambuja E, Berghoff AS, Metellus P, Peters S, Hong YK, Winkler F, Schandendorf D, van den Bent M, Seoane J,

Stahel R, Minniti G, Wesseling P, Weller M, Preusser M; EANO Executive Board and ESMO Guidelines Committee. EANO-ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up of patients with brain metastasis from solid tumours. **Ann Oncol**. 2021 Nov;32(11):1332-1347

95. Liebmann M, Korn L, Janoschka C, Albrecht S, Lauks S, Herrmann AM, Schulte-Mecklenbeck A, Schwab N, Schneider-Hohendorf T, Eveslage M, Wildemann B, Luessi F, Schmidt S, Diebold M, Bittner S, Gross CC, Kovac S, Zipp F, Derfuss T, Kuhlmann T, König S, Meuth SG, Wiendl H, Klotz L. Dimethyl fumarate treatment restrains the antioxidative capacity of T cells to control autoimmunity. **Brain**. 2021 Nov 29;144(10):3126-3141
96. Maas SLN, Stichel D, Hielscher T, Sievers P, Berghoff AS, Schrimpf D, Sill M, Euskirchen P, Blume C, Patel A, Dogan H, Reuss D, Dohmen H, Stein M, Reinhardt A, Suwala AK, Wefers AK, Baumgarten P, Ricklefs F, Rushing EJ, Bewerunge-Hudler M, Ketter R, Schittenhelm J, Jaunmuktane Z, Leu S, Greenway FEA, Bridges LR, Jones T, Grady C, Serrano J, Golfinos J, Sen C, Mawrin C, Jungk C, Hänggi D, Westphal M, Lamszus K, Etminan N, Jungwirth G, Herold-Mende C, Unterberg A, Harter PN, Wirsching HG, Neidert MC, Ratliff M, Platten M, Snuderl M, Aldape KD, Brandner S, Hench J, Frank S, Pfister SM, Jones DTW, Reifenberger G, Acker T, Wick W, Weller M, Preusser M, von Deimling A, Sahm F; German Consortium on Aggressive Meningiomas (KAM). Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. **J Clin Oncol**. 2021 Dec 1;39(34):3839-3852
97. Magrinelli F, Balint B, Bhatia KP. Challenges in Clinicogenetic Correlations: One Gene - Many Phenotypes. **Mov Disord Clin Pract**. 2021 Mar 2;8(3):299-310
98. Mahmutoglu MA, Baumgärtner U, Rupp A. Posterior insular activity contributes to the late laser-evoked potential component in EEG recordings. **Clin Neurophysiol**. 2021 Mar;132(3):770-781
99. Mayer SA, Frontera JA, Jankowitz B, Kellner CP, Kuppermann N, Naik BI, Nishijima DK, Steiner T, Goldstein JN; CNS Bleeding/Neurosurgery Subgroup of the NHLBI Hemostasis Trials Outcomes Working Group. Recommended Primary Outcomes for Clinical Trials Evaluating Hemostatic Agents in Patients With Intracranial Hemorrhage: A Consensus Statement. **JAMA Netw Open**. 2021 Sep 1;4(9):e2123629:1-14
100. Mayr T, Ferenci P, Weiler M, Fichtner A, Mehrabi A, Hoffmann GF, Mohr I, Pfeiffenberger J, Weiss KH, Teufel-Schäfer U. Optimized Trientine-Dihydrochloride Therapy in Pediatric Patients with Wilson Disease: Is Weight-Based Dosing Justified? **J Pediatr Gastroenterol Nutr**. 2021 Jan 1;72(1):115-122
101. Mencacci NE, Brockmann MM, Dai J, Pajusalu S, Atasu B, Campos J, Pino G, Gonzalez-Latapi P, Patzke C, Schwake M, Tucci A, Pittman A, Simon-Sanchez J, Carvill GL, Balint B, Wiethoff S, Warner TT, Papandreou A, Soo A, Rein R, Kadastik-Eerme L, Puusepp S, Reinson K, Tomberg T, Hanagasi H, Gasser T, Bhatia KP, Kurian MA, Lohmann E, Öunap K, Rosenmund C, Südhof TC, Wood NW, Krainc D, Acuna C. Biallelic variants in TSPOAP1, encoding the active-zone protein RIMBP1, cause autosomal recessive dystonia. **J Clin Invest**. 2021 Apr 1;131(7):e140625:1-15
102. Menozzi E, Mulroy E, Akbarian-Tefaghi L, Bhatia KP, Balint B. Movement disorders in systemic autoimmune diseases: Clinical spectrum, ancillary investigations, pathophysiological considerations. **Parkinsonism Relat Disord**. 2021 Jul;88:116-128
103. Meyer T, Maier A, Uzelac Z, Hagenacker T, Günther R, Schreiber-Katz O, Weiler M, Steinbach R, Weyen U, Koch JC, Kettemann D, Norden J, Dorst J, Wurster C, Ludolph AC, Stolte B, Freigang M, Osmanovic A, Petri S, Grosskreutz J, Rödiger A, Griep R, Gaudlitz M, Walter B, Münch C, Spittel S.

Treatment expectations and perception of therapy in adult patients with spinal muscular atrophy receiving nusinersen. **Eur J Neurol.** 2021 Aug;28(8):2582-2595

104. Millan M, Nagel S, Gumbinger C, Busetto L, Purrucker JC, Hametner C, Ringleb PA, Mundiyanapurath S. Differential Effects of SARS-CoV-2 Pandemic on Patients Presenting to a Neurological Emergency Room Depending on Their Triage Score in an Area with low COVID-19 Incidence. **Eur J Neurol.** 2021 Oct;28(10):3332-3338
105. Mohapatra SR, Sadik A, Sharma S, Poschet G, Gegner HM, Lanz TV, Lucarelli P, Klingmüller U, Platten M, Heiland I, Opitz CA. Hypoxia Routes Tryptophan Homeostasis Towards Increased Tryptamine Production. **Front Immunol.** 2021 Feb 19;12:590532:1-13
106. Müller J, Weiler M, Schneeweiss A, Haag GM, Steindorf K, Wick W, Wiskemann J. Preventive effect of sensorimotor exercise and resistance training on chemotherapy-induced peripheral neuropathy: a randomised-controlled trial. **Br J Cancer.** 2021 Sep;125(7):955-965
107. Müller J, Kreutz C, Ringhof S, Koepfel M, Kleindienst N, Sam G, Schneeweiss A, Wiskemann J, Weiler M. Chemotherapy-induced peripheral neuropathy: longitudinal analysis of predictors for postural control. **Sci Rep.** 2021 Jan 27;11(1):23981:1-10
108. Mulroy E, Ganos C, Latorre A, Terkelsen AJ, Balint B, Agarwal PA, Batla A, Bhatia KP. Self-concocted, curious and creative coping strategies in movement disorders. **Parkinsonism Relat Disord.** 2021 Feb;83:140-143
109. Mudra H, Staubach S, Reiff T, Ringleb PA. Der Patient mit Karotisstenose - Update zum Stellenwert der Behandlungsoptionen. **Kardiologie up2date.** 2021;17:357-76
110. Neuberger U, Vollmuth P, Nagel S, Schönenberger S, Weyland CS, Gumbinger C, Ringleb PA, Bendszus M, Pfaff JAR, Möhlenbruch MA. Optimal thresholds to predict long-term outcome after complete endovascular recanalization in acute anterior ischemic stroke. **J Neurointerv Surg.** 2021 Dec;13(12):1124-1127
111. Nguyen TN, Haussen DC, Qureshi MM, Yamagami H, Fujinaka T, Mansour OY, Abdalkader M, Frankel M, Qiu Z, Taylor A, Lylyk P, Eker OF, Mechtouff L, Pletin M, Lima FO, Mont'Alverne F, Izzath W, Sakai N, Mohammaden M, Al-Bayati AR, Renieri L, Mangiafico S, Ozretic D, Chalumeau V, Ahmad S, Rashid U, Hussain SI, John S, Griffin E, Thornton J, Fiorot JA, Rivera R, Hammami N, Cervantes-Arslanian AM, Dasenbrock HH, Vu HL, Nguyen VQ, Hetts S, Bourcier R, Guile R, Walker M, Sharma M, Frei D, Jabbour P, Herial N, Al-Mufti F, Ozdemir AO, Aykac O, Gandhi D, Chugh C, Matouk C, Lavoie P, Edgell R, Beer-Furlan A, Chen M, Killer-Oberpfalzer M, Pereira VM, Nicholson P, Huded V, Ohara N, Watanabe D, Shin DH, Magalhaes PS, Kikano R, Ortega-Gutierrez S, Farooqui M, Abou-Hamden A, Amano T, Yamamoto R, Weeks A, Cora EA, Sivan-Hoffmann R, Crosa R, Möhlenbruch M, Nagel S, Al-Jehani H, Sheth SA, Lopez Rivera VS, Siegler JE, Sani AF, Puri AS, Kuhn AL, Bernava G, Machi P, Abud DG, Pontes-Neto OM, Wakhloo AK, Voetsch B, Raz E, Yaghi S, Mehta BP, Kimura N, Murakami M, Lee JS, Hong JM, Fahed R, Walker G, Hagashi E, Cordina SM, Roh HG, Wong K, Arenillas JF, Martinez-Galdamez M, Blasco J, Rodriguez Vasquez A, Fonseca L, Silva ML, Wu TY, John S, Brehm A, Psychogios M, Mack WJ, Tenser M, Todaka T, Fujimura M, Novakovic R, Deguchi J, Sugiura Y, Tokimura H, Khatri R, Kelly M, Peeling L, Murayama Y, Winters HS, Wong J, Tebeb M, Payne J, Fukuda H, Miyake K, Shimbo J, Sugimura Y, Uno M, Takenobu Y, Matsumaru Y, Yamada S, Kono R, Kanamaru T, Morimoto M, Iida J, Saini V, Yavagal D, Bushnaq S, Huang W, Linfante I, Kirmani J, Liebeskind DS, Szeder V, Shah R, Devlin TG, Birnbaum L, Luo J, Churojana A, Masoud HE, Lopez CY, Steinfort B, Ma A, Hassan AE, Al Hashmi A, McDermott M, Mokin M, Chebl A, Kargiotis O, Tsvigoulis G, Morris JG, Eskey CJ, Thon J,

Rebello L, Altschul D, Cornett O, Singh V, Pandian J, Kulkarni A, Lavados PM, Olavarria VV, Todo K, Yamamoto Y, Silva GS, Geyik S, Johann J, Multani S, Kaliaev A, Sonoda K, Hashimoto H, Alhazzani A, Chung DY, Mayer SA, Fifi JT, Hill MD, Zhang H, Yuan Z, Shang X, Castonguay AC, Gupta R, Jovin TG, Raymond J, Zaidat OO, Nogueira RG; SVIN COVID-19 Registry, the Middle East North Africa Stroke and Interventional Neurotherapies Organization (MENA-SINO); Japanese Society of Vascular and Interventional Neurology Society (JVIN). Decline in subarachnoid haemorrhage volumes associated with the first wave of the COVID-19 pandemic. *Stroke Vasc Neurol*. 2021 Dec;6(4):542-552

112. Nogueira RG, Abdalkader M, Qureshi MM, Frankel MR, Mansour OY, Yamagami H, Qiu Z, Farhoudi M, Siegler JE, Yaghi S, Raz E, Sakai N, Ohara N, Piotin M, Mechtouff L, Eker O, Chalumeau V, Kleinig TJ, Pop R, Liu J, Winters HS, Shang X, Vasquez AR, Blasco J, Arenillas JF, Martinez-Galdamez M, Brehm A, Psychogios MN, Lylyk P, Haussen DC, Al-Bayati AR, Mohammaden MH, Fonseca L, Luís Silva M, Montalverne F, Renieri L, Mangiafico S, Fischer U, Gralla J, Frei D, Chugh C, Mehta BP, Nagel S, Mohlenbruch M, Ortega-Gutierrez S, Farooqui M, Hassan AE, Taylor A, Lapergue B, Consoli A, Campbell BC, Sharma M, Walker M, Van Horn N, Fiehler J, Nguyen HT, Nguyen QT, Watanabe D, Zhang H, Le HV, Nguyen VQ, Shah R, Devlin T, Khandelwal P, Linfante I, Izzath W, Lavados PM, Olavarria VV, Sampaio Silva G, de Carvalho Sousa AV, Kirmani J, Bendszus M, Amano T, Yamamoto R, Doijiri R, Tokuda N, Yamada T, Terasaki T, Yazawa Y, Morris JG, Griffin E, Thornton J, Lavoie P, Matouk C, Hill MD, Demchuk AM, Killer-Oberpfalzer M, Nahab F, Altschul D, Ramos-Pachón A, Pérez de la Ossa N, Kikano R, Boisseau W, Walker G, Cordina SM, Puri A, Luisa Kuhn A, Gandhi D, Ramakrishnan P, Novakovic-White R, Chebl A, Kargiotis O, Czap A, Zha A, Masoud HE, Lopez C, Ozretic D, Al-Mufti F, Zie W, Duan Z, Yuan Z, Huang W, Hao Y, Luo J, Kalousek V, Bourcier R, Guile R, Hetts S, Al-Jehani HM, AlHazzani A, Sadeghi-Hokmabadi E, Teleb M, Payne J, Lee JS, Hong JM, Sohn SI, Hwang YH, Shin DH, Roh HG, Edgell R, Khatri R, Smith A, Malik A, Liebeskind D, Herial N, Jabbour P, Magalhaes P, Ozdemir AO, Aykac O, Uwatoko T, Dembo T, Shimizu H, Sugiura Y, Miyashita F, Fukuda H, Miyake K, Shimbo J, Sugimura Y, Beer-Furlan A, Joshi K, Catanese L, Abud DG, Neto OG, Mehrpour M, Al Hashmi A, Saqqur M, Mostafa A, Fifi JT, Hussain S, John S, Gupta R, Sivan-Hoffmann R, Reznik A, Sani AF, Geyik S, Akil E, Churojana A, Ghoreishi A, Saadatnia M, Sharifipour E, Ma A, Faulder K, Wu T, Leung L, Malek A, Voetsch B, Wakhloo A, Rivera R, Barrientos Iman DM, Pikula A, Lioutas VA, Thomalla G, Birnbaum L, Machi P, Bernava G, McDermott M, Kleindorfer D, Wong K, Patterson MS, Fiorot JA Jr, Huded V, Mack W, Tenser M, Eskey C, Multani S, Kelly M, Janardhan V, Cornett O, Singh V, Murayama Y, Mokin M, Yang P, Zhang X, Yin C, Han H, Peng Y, Chen W, Crosa R, Frudit ME, Pandian JD, Kulkarni A, Yagita Y, Takenobu Y, Matsumaru Y, Yamada S, Kono R, Kanamaru T, Yamazaki H, Sakaguchi M, Todo K, Yamamoto N, Sonoda K, Yoshida T, Hashimoto H, Nakahara I, Cora E, Volders D, Ducroux C, Shoamanesh A, Ospel J, Kaliaev A, Ahmed S, Rashid U, Rebello LC, Pereira VM, Fahed R, Chen M, Sheth SA, Palaiodimou L, Tsivgoulis G, Chandra R, Koefman F, Leung T, Khosravani H, Dharmadhikari S, Frisullo G, Calabresi P, Tsiskaridze A, Lobjanidze N, Grigoryan M, Czlonkowska A, de Sousa DA, Demeestere J, Liang C, Sangha N, Lutsep HL, Ayo-Martín Ó, Cruz-Culebras A, Tran AD, Young CY, Cordonnier C, Caparros F, De Lecinana MA, Fuentes B, Yavagal D, Jovin T, Spelle L, Moret J, Khatri P, Zaidat O, Raymond J, Martins S, Nguyen T. Global impact of COVID-19 on stroke care. *Int J Stroke*. 2021 Jul;16(5):573-584

113. Nogueira RG, Qureshi MM, Abdalkader M, Martins SO, Yamagami H, Qiu Z, Mansour OY, Sathya A, Czlonkowska A, Tsivgoulis G, Aguiar de Sousa D, Demeestere J, Mikulik R, Vanacker P, Siegler JE, Kőrv J, Biller J, Liang CW, Sangha NS, Zha AM, Czap AL, Holmstedt CA, Turan TN, Ntaios G, Malhotra K, Tayal A, Loochtan A, Ranta A, Mistry EA, Alexandrov AW, Huang DY, Yaghi S, Raz E, Sheth SA, Mohammaden MH, Frankel M, Bila Lamou EG, Aref HM, Elbassiouny A, Hassan F, Menecie T, Mustafa W, Shokri HM, Roushdy T, Sarfo FS, Alabi TO, Arabambi B, Nwazor EO, Sunmonu TA, Wahab K, Yaria J, Mohammed HH, Adebayo PB, Riahi AD, Sassi SB, Gwaunza L, Ngwende GW, Sahakyan D, Rahman A, Ai Z, Bai F, Duan Z, Hao Y, Huang W, Li G, Li W, Liu G, Luo J, Shang X, Sui Y, Tian L, Wen H, Wu B, Yan Y, Yuan Z, Zhang H, Zhang J, Zhao W, Zi W, Leung TW, Chugh C, Huded V, Menon B,

Pandian JD, Sylaja PN, Usman FS, Farhoudi M, Hokmabadi ES, Horev A, Reznik A, Sivan Hoffmann R, Ohara N, Sakai N, Watanabe D, Yamamoto R, Doijiri R, Tokuda N, Yamada T, Terasaki T, Yazawa Y, Uwatoko T, Dembo T, Shimizu H, Sugiura Y, Miyashita F, Fukuda H, Miyake K, Shimbo J, Sugimura Y, Yagita Y, Takenobu Y, Matsumaru Y, Yamada S, Kono R, Kanamaru T, Yamazaki H, Sakaguchi M, Todo K, Yamamoto N, Sonoda K, Yoshida T, Hashimoto H, Nakahara I, Kondybayeva A, Faizullina K, Kamenova S, Zhanuzakov M, Baek JH, Hwang Y, Lee JS, Lee SB, Moon J, Park H, Seo JH, Seo KD, Sohn SI, Young CJ, Ahdab R, Wan Zaidi WA, Aziz ZA, Basri HB, Chung LW, Ibrahim AB, Ibrahim KA, Looi I, Tan WY, Yahya NW, Groppa S, Leahu P, Al Hashmi AM, Imam YZ, Akhtar N, Pineda-Franks MC, Co CO, Kandyba D, Alhazzani A, Al-Jehani H, Tham CH, Mamaug MJ, Venketasubramanian N, Chen CH, Tang SC, Churojana A, Akil E, Aykaç Ö, Ozdemir AO, Giray S, Hussain SI, John S, Le Vu H, Tran AD, Nguyen HH, Nhu Pham T, Nguyen TH, Nguyen TQ, Gattringer T, Enzinger C, Killer-Oberpfalzer M, Bellante F, De Blauwe S, Vanhooren G, De Raedt S, Dusart A, Lemmens R, Ligot N, Pierre Rutgers M, Yperzeele L, Alexiev F, Sakelarova T, Bedeković MR, Budincevic H, Cindric I, Hucika Z, Ozretic D, Saric MS, Pfeifer F, Karpowic I, Cernik D, Sramek M, Skoda M, Hlavacova H, Klecka L, Koutny M, Vaclavik D, Skoda O, Fiksa J, Hanelova K, Nevsimalova M, Rezek R, Prochazka P, Krejstova G, Neumann J, Vachova M, Brzezanski H, Hlinovsky D, Tenora D, Jura R, Jurák L, Novak J, Novak A, Topinka Z, Fibrich P, Sobolova H, Volny O, Krarup Christensen H, Drenck N, Klingenberg Iversen H, Simonsen CZ, Truelsen TC, Wienecke T, Vibo R, Gross-Paju K, Toomsoo T, Antsov K, Caparros F, Cordonnier C, Dan M, Fauchoux JM, Mechtouff L, Eker O, Lesaine E, Ondze B, Peres R, Pico F, Piotin M, Pop R, Rouanet F, Gubeladze T, Khinikadze M, Lobjanidze N, Tsiskaridze A, Nagel S, Ringleb PA, Rosenkranz M, Schmidt H, Sedghi A, Siepmann T, Szabo K, Thomalla G, Palaodimou L, Sagris D, Kargiotis O, Klivenyi P, Szapary L, Tarkanyi G, Adami A, Bandini F, Calabresi P, Frisullo G, Renieri L, Sangalli D, Pirson A, Uyttenboogaart M, van den Wijngaard I, Kristoffersen ES, Brola W, Fudala M, Horoch-Lyszczarek E, Karlinski M, Kazmierski R, Kram P, Rogoziewicz M, Kaczorowski R, Luchowski P, Sienkiewicz-Jarosz H, Sobolewski P, Fryze W, Wisniewska A, Wiszniewska M, Ferreira P, Ferreira P, Fonseca L, Marto JP, Pinho E Melo T, Nunes AP, Rodrigues M, Tedim Cruz V, Falup-Pecurariu C, Krastev G, Mako M, de Leciñana MA, Arenillas JF, Ayo-Martin O, Cruz Culebras A, Tejedor ED, Montaner J, Pérez-Sánchez S, Tola Arribas MA, Rodriguez Vasquez A, Mayza M, Bernava G, Brehm A, Machi P, Fischer U, Gralla J, Michel PL, Psychogios MN, Strambo D, Banerjee S, Krishnan K, Kwan J, Butt A, Catanese L, Demchuk AM, Field T, Haynes J, Hill MD, Khosravani H, Mackey A, Pikula A, Saposnik G, Scott CA, Shoamanesh A, Shuaib A, Yip S, Barboza MA, Barrientos JD, Portillo Rivera LI, Gongora-Rivera F, Navarro-Escudero N, Blanco A, Abraham M, Alsbroom D, Altschul D, Alvarado-Ortiz AJ, Bach I, Badruddin A, Barazangi N, Brereton C, Castonguay A, Chaturvedi S, Chaudry SA, Choe H, Choi JH, Dharmadhikari S, Desai K, Devlin TG, Doss VT, Edgell R, Etherton M, Farooqui M, Frei D, Gandhi D, Grigoryan M, Gupta R, Hassan AE, Helenius J, Kaliaev A, Kaushal R, Khandelwal P, Khawaja AM, Khoury NN, Kim BS, Kleindorfer DO, Koefman F, Lee VH, Leung LY, Linares G, Linfante I, Lutsep HL, Macdougall L, Male S, Malik AM, Masoud H, McDermott M, Mehta BP, Min J, Mittal M, Morris JG, Multani SS, Nahab F, Nalleballe K, Nguyen CB, Novakovic-White R, Ortega-Gutierrez S, Rahangdale RH, Ramakrishnan P, Romero JR, Rost N, Rothstein A, Ruland S, Shah R, Sharma M, Silver B, Simmons M, Singh A, Starosciak AK, Strasser SL, Szeder V, Teleb M, Tsai JP, Voetsch B, Balaguera O, Pujol Lereis VA, Luraschi A, Almeida MS, Cardoso FB, Conforto A, De Deus Silva L, Varrone Giacomini L, Oliveira Lima F, Longo AL, Magalhães PSC, Martins RT, Mont'alverne F, Mora Cuervo DL, Costa Rebello L, Valler L, Zetola VF, Lavados PM, Navia V, Olavarria VV, Almeida Toro JM, Amaya PFR, Bayona H, Corredor A, Rivera Ordóñez CE, Mantilla Barbosa DK, Lara O, Patiño MR, Diaz Escobar LF, Dejesus Melgarejo Fariña DE, Cardozo Villamayor A, Zelaya Zarza AJ, Barrientos Iman DM, Rodriguez Kadota L, Campbell B, Hankey GJ, Hair C, Kleinig T, Ma A, Tomazini Martins R, Sahathevan R, Thijs V, Salazar D, Yuan-Hao Wu T, Haussen DC, Liebeskind D, Yavagal DR, Jovin TG, Zaidat OO, Nguyen TN; SVIN COVID-19 Global Stroke Registry; SVIN COVID-19 Global Stroke Registry. Global Impact of COVID-19 on Stroke Care and IV Thrombolysis. **Neurology**. 2021 Jun 8;96(23):e2824-e2838

114. Nordanstig A, Curtze S, Gensicke H, Zinkstok SM, Erdur H, Karlsson C, Karlsson JE, Martinez-Majander N, Sibolt G, Lyrer P, Traenka C, Baharoglu MI, Scheitz JF, Bricout N, Hénon H, Leys D, Eskandari A, Michel P, [Hametner C](#), [Ringleb PA](#), Arnold M, Fischer U, Sarikaya H, Seiffge DJ, Pezzini A, Zini A, Padjen V, Jovanovic DR, Luft A, Wegener S, Kellert L, Feil K, Kägi G, Rentzos A, Lappalainen K, Leker RR, Cohen JE, Gomori J, Brehm A, Liman J, Psychogios M, Kastrup A, Papanagiotou P, Gralla J, Magoni M, Majoie CBLM, Bohner G, Vukasinovic I, Cvetic V, Weber J, Kulcsar Z, Bendszus M, Möhlenbruch M, Ntaios G, Kapsalaki E, Jood K, Nolte CH, Nederkoorn PJJ, Engelter S, Strbian D, Tatlisumak T; EVA-TRISP Investigators. EndoVascular treatment and Thrombolysis for Ischemic Stroke Patients (EVA-TRISP) registry: basis and methodology of a pan-European prospective ischaemic stroke revascularisation treatment registry. **BMJ Open**. 2021 Aug 9;11(8):e042211:1-11
115. [Opitz CA](#), [Turcan S](#). From anti-aging drugs to cancer therapy: Is there a potential for sirtuin activators in gliomas? **Neuro Oncol**. 2021;23(1);3-5
116. Ospel J, Mayank A, Qiu W, Almekhlafi M, Menon B, McTaggart R, Nogueira R, Demchuk A, Joshi M, Zerna C, Chapot R, Bharatha A, Jadhav A, [Nagel S](#), Poppe A, Tymianski M, Hill M, Goyal M; ESCAPE-NA1 investigators. Clinical outcomes of isolated deep grey matter infarcts after endovascular treatment of large vessel occlusion stroke. **Neuroradiology**. 2021 Sep;63(9):1463-1469
117. Ostkamp P, Salmen A, Pignolet B, Görlich D, Andlauer TFM, Schulte-Mecklenbeck A, Gonzalez-Escamilla G, Bucciarelli F, Gennero I, Breuer J, Antony G, Schneider-Hohendorf T, Mykicky N, Bayas A, Then Bergh F, Bittner S, Hartung HP, Friese MA, Linker RA, Luessi F, Lehmann-Horn K, Mühlau M, Paul F, Stangel M, Tackenberg B, Tumani H, Warnke C, Weber F, [Wildemann B](#), Zettl UK, Ziemann U, Müller-Myhsok B, Kümpfel T, Klotz L, Meuth SG, Zipp F, Hemmer B, Hohlfeld R, Brassat D, Gold R, Gross CC, Lukas C, Groppa S, Loser K, Wiendl H, Schwab N; German Competence Network Multiple Sclerosis (KKNMS) and the BIONAT Network. Sunlight exposure exerts immunomodulatory effects to reduce multiple sclerosis severity. **Proc Natl Acad Sci U S A**. 2021 Jan 5;118(1):e2018457118
118. Ovesen C, Jakobsen JC, Gluud C, [Steiner T](#), Law Z, Flaherty K, Dineen RA, Christensen LM, Overgaard K, Rasmussen RS, Bath PM, Sprigg N, Christensen H. Tranexamic Acid for Prevention of Hematoma Expansion in Intracerebral Hemorrhage Patients With or Without Spot Sign. **Stroke**. 2021 Aug;52(8):2629-2636
119. Pache F, Ringelstein M, Aktas O, Kleiter I, [Jarius S](#), Siebert N, Bellmann-Strobl J, Paul F, Ruprecht K. C3 and C4 complement levels in AQP4-IgG-positive NMOSD and in MOGAD. **J Neuroimmunol**. 2021 Nov 15;360:577699
120. Paech D, Regnery S, Platt T, Behl NGR, Weckesser N, Windisch P, Deike-Hofmann K, [Wick W](#), Bendszus M, Rieken S, König L, Ladd ME, Schlemmer HP, Debus J, Adeberg S. Assessment of Sodium MRI at 7 Tesla as Predictor of Therapy Response and Survival in Glioblastoma Patients. **Front Neurosci**. 2021 Dec 1;15:782516
121. [Panitz V](#), Končarević S, Sadik A, Friedel D, Bausbacher T, Trump S, Farztdinov V, Schulz S, Sievers P, Schmidt S, Jürgenson I, Jung S, Kuhn K, Pflüger I, Sharma S, [Wick A](#), Pfänder P, Selzer S, Vollmuth P, Sahm F, von Deimling A, Heiland I, Hopf C, Schulz-Knappe P, Pike I, Platten M, [Wick W](#), [Opitz CA](#). Tryptophan metabolism is inversely regulated in the tumor and blood of patients with glioblastoma. **Theranostics**. 2021 Sep 3;11(19):9217-9233
122. [Park JW](#), Sahm F, [Steffl B](#), Arrillaga-Romany I, Cahill D, Monje M, Herold-Mende C, [Wick W](#), [Turcan S](#). TERT and DNMT1 expression predict sensitivity to decitabine in gliomas. **Neuro Oncol**. 2021 Jan 30;23(1):76-87

123. Pfeuffer S, Ruck T, Pul R, Rolfes L, Korsukewitz C, Pawlitzki M, Wildemann B, Klotz L, Kleinschnitz C, Scalfari A, Wiendl H, Meuth SG. Impact of previous disease-modifying treatment on effectiveness and safety outcomes, among patients with multiple sclerosis treated with alemtuzumab. **J Neurol Neurosurg Psychiatry**. 2021 Sep;92(9):1007-1013
124. Platten M, Bunse L, Wick W. Hirntumorimmuntherapie - Möglichkeiten und Herausforderungen der Personalisierung. **Nervenarzt**. 2021 Oct;92(10):996-1001
125. Platten M, Bunse L, Wick W. Emerging targets for anticancer vaccination: IDH. **ESMO Open**. 2021 Aug;6(4):100214
126. Platten M, Friedrich M, Wainwright DA, Panitz V, Opitz CA. Tryptophan metabolism in brain tumors - IDO and beyond. **Curr Opin Immunol**. 2021 Jun;70:57-66
127. Platten M, Bunse L, Wick A, Bunse T, Le Cornet L, Harting I, Sahm F, Sanghvi K, Tan CL, Poschke I, Green E, Justesen S, Behrens GA, Breckwoldt MO, Freitag A, Rother LM, Schmitt A, Schnell O, Hense J, Misch M, Krex D, Stevanovic S, Tabatabai G, Steinbach JP, Bendszus M, von Deimling A, Schmitt M, Wick W. A vaccine targeting mutant IDH1 in newly diagnosed glioma. **Nature**. 2021 Apr;592(7854):463-468
128. Potreck A, Falbesaner A, Seker F, Weyland CS, Mundiyanapurath S, Heiland S, Bendszus M, Pfaff JA. Accuracy and reliability of PBV ASPECTS, CBV ASPECTS and NCCT ASPECTS in acute ischaemic stroke: a matched-pair analysis. **Neuroradiol J**. 2021 Dec;34(6):585-592
129. Potreck A, Mutke MA, Weyland CS, Pfaff JAR, Ringleb PA, Mundiyanapurath S, Möhlenbruch MA, Heiland S, Pham M, Bendszus M, Hoffmann A. Combined Perfusion and Permeability Imaging Reveals Different Pathophysiologic Tissue Responses After Successful Thrombectomy. **Transl Stroke Res**. 2021 Oct;12(5):799-807
130. Prentzell MT, Rehbein U, Cadena Sandoval M, De Meulemeester AS, Baumeister R, Brohée L, Berdel B, Bockwoldt M, Carroll B, Chowdhury SR, von Deimling A, Demetriades C, Figlia G; Genomics England Research Consortium, de Araujo MEG, Heberle AM, Heiland I, Holzwarth B, Huber LA, Jaworski J, Kedra M, Kern K, Kopach A, Korolchuk VI, van 't Land-Kuper I, Macias M, Nellist M, Palm W, Pusch S, Ramos Pittol JM, Reil M, Reintjes A, Reuter F, Sampson JR, Scheldeman C, Siekierska A, Stefan E, Teleman AA, Thomas LE, Torres-Quesada O, Trump S, West HD, de Witte P, Woltering S, Yordanov TE, Zmorzynska J, Opitz CA, Thedieck K. G3BPs tether the TSC complex to lysosomes and suppress mTORC1 signaling. **Cell**. 2021 Feb 4;184(3):655-674.e27
131. Puetz V, Strbian D, Nguyen TN, Nagel S. Editorial: Challenges in Posterior Circulation Ischemic Stroke. **Front Neurol**. 2021 Nov 17;12:789836
132. Rehbein U, Prentzell MT, Cadena Sandoval M, Heberle AM, Henske EP, Opitz CA, Thedieck K. The TSC Complex-mTORC1 Axis: From Lysosomes to Stress Granules and Back. **Front Cell Dev Biol**. 2021 Oct 29;9:751892
133. Reiff T, Eckstein HH, Mansmann U, Jansen O, Fraedrich G, Mudra H, Hacke W, Ringleb PA; SPACE-2 study group. Successful implementation of best medical treatment for patients with asymptomatic carotid artery stenosis within a randomized controlled trial (SPACE-2). **Neurol Res Pract**. 2021 Oct 19;3(1):62

134. [Reiff T](#), Eckstein HH, Mansmann U, Jansen O, Fraedrich G, Mudra H, Böckler D, Böhm M, Brückmann H, Debus ES, Fiehler J, Mathias K, Ringelstein EB, Schmidli J, Stingele R, Zahn R, Zeller T, Niesen WD, Barlinn K, Binder A, Glahn J, [Ringleb PA](#); SPACE-2 Investigators. Contralateral Stenosis and Echolucent Plaque Morphology are Associated with Elevated Stroke Risk in Patients Treated with Asymptomatic Carotid Artery Stenosis within a Controlled Clinical Trial (SPACE-2). **J Stroke Cerebrovasc Dis**. 2021 Sep;30(9):105940
135. [Reiff T](#), [Ringleb PA](#). Therapie bei asymptomatischer Stenose der extrakraniellen A. carotis. **Dtsch Med Wochenschr**. 2021 Jun;146(12):793-800
136. Reilich P, Schlotter B, Montagnese F, [Jordan B](#), Stock F, Schäff-Vogelsang M, Hotter B, Eger K, Diebold I, Erdmann H, Becker K, Schön U, Abicht A. Location matters - Genotype-phenotype correlation in LRSAM1 mutations associated with rare Charcot-Marie-Tooth neuropathy CMT2P. **Neuromuscul Disord**. 2021 Feb;31(2):123-133
137. Reinink H, Jüttler E, [Hacke W](#), Hofmeijer J, Vicaut E, Vahedi K, Slezins J, Su Y, Fan L, Kumral E, Greving JP, Algra A, Kappelle LJ, van der Worp HB, Neugebauer H. Surgical Decompression for Space-Occupying Hemispheric Infarction: A Systematic Review and Individual Patient Meta-analysis of Randomized Clinical Trials. **JAMA Neurol**. 2021;78(2):208–216
138. Richter F, [Williams SK](#), John K, Huber C, Vaslin C, [Zanker H](#), [Fairless R](#), [Pichi K](#), Marhenke S, Vogel A, Dhaen MA, Herrmann S, Herrmann A, Pfizenmaier K, Bantel H, [Diem R](#), Kontermann RE, Fischer R. The TNFR1 Antagonist Atrosimab Is Therapeutic in Mouse Models of Acute and Chronic Inflammation. **Front Immunol**. 2021 Jul 7;12:705485
139. Richter D, Weber R, Eyding J, Bartig D, Misselwitz B, Grau A, [Hacke W](#), Krogias C. Acute ischemic stroke care in Germany - further progress from 2016 to 2019. **Neurol Res Pract**. 2021 Apr 1;3(1):14
140. Richter D, Eyding J, Weber R, Bartig D, Grau A, [Hacke W](#), Krogias C. Analysis of Nationwide Stroke Patient Care in Times of COVID-19 Pandemic in Germany. **Stroke**. 2021 Jan;52(2):716-721
141. Ringelstein M, Ayzenberg I, Lindenblatt G, Fischer K, Gahlen A, Novi G, Hayward-Könnecke H, Schipling S, Rommer PS, Kornek B, Zrzavy T, Biotti D, Ciron J, Audoin B, Berthele A, Giglhuber K, Zephir H, Kümpfel T, Berger R, Röther J, Häußler V, Stellmann JP, Whittam D, Jacob A, Kraemer M, Gueguen A, Deschamps R, Bayas A, Hümmert MW, Trebst C, Haarmann A, [Jarius S](#), [Wildemann B](#), Grothe M, Siebert N, Ruprecht K, Paul F, Collongues N, Marignier R, Levy M, Karenfort M, Deppe M, Albrecht P, Hellwig K, Gold R, Hartung HP, Meuth SG, Kleiter I, Aktas O; Neuromyelitis Optica Study Group (NEMOS). Interleukin-6 Receptor Blockade in Treatment-Refractory MOG-IgG-Associated Disease and Neuromyelitis Optica Spectrum Disorders. **Neurol Neuroimmunol Neuroinflamm**. 2021 Nov 16;9(1):e1100
142. Robador JR, [Feinauer MJ](#), Schneider SW, Mayer FT, Gorzelanny C, Sacharow A, Liu X, [Berghoff A](#), Brehm MA, Hirsch D, Stadler J, Vidal-Y-Si S, Wladykowski E, Asong M, Nowak K, Seiz-Rosenhagen M, Umansky V, Mess C, Pantel K, [Winkler E](#), Bauer AT. Involvement of platelet-derived VWF in metastatic growth of melanoma in the brain. **Neurooncol Adv**. 2021 Nov 22;3(1):vdab175
143. Roth P, Pace A, Le Rhun E, Weller M, Ay C, Cohen-Jonathan Moyal E, Coomans M, Giusti R, Jordan K, Nishikawa R, [Winkler F](#), Hong JT, Ruda R, Villà S, Taphoorn MJB, [Wick W](#), Preusser M; EANO Executive Board; ESMO Guidelines Committee. Neurological and vascular complications of primary and secondary brain tumours: EANO-ESMO Clinical Practice Guidelines for prophylaxis, diagnosis, treatment and follow-up. **Ann Oncol**. 2021 Feb;32(2):171-182

144. Saffari A, Cannet C, Blaschek A, Hahn A, Hoffmann GF, Johannsen J, Kirsten R, Kockaya M, Kölker S, Müller-Felber W, Roos A, Schäfer H, Schara U, Spraul M, Trefz FK, Vill K, Wick W, Weiler M, Okun JG, Ziegler A. 1H-NMR-based metabolic profiling identifies non-invasive diagnostic and predictive urinary fingerprints in 5q spinal muscular atrophy. **Orphanet J Rare Dis**. 2021 Oct 20;16(1):441
145. 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, Tsvigoulis 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, Blacquièrre 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, Kellermaier 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
146. Sandset EC, Anderson CS, Bath PM, Christensen H, Fischer U, Gąsecki D, Lal A, Manning LS, Sacco S, Steiner T, Tsvigoulis G. European Stroke Organisation (ESO) guidelines on blood pressure management in acute ischaemic stroke and intracerebral haemorrhage. **Eur Stroke J**. 2021 Jun;6(2):X48-L89
147. Schaier M, Wolf RC, Kubera K, Nagel S, Bartsch A, Zeier M, Bendszus M, Herweh C. Vasogenic Brain Edema During Maintenance Hemodialysis : Preliminary Results from Tract-based Spatial Statistics and Voxel-based Morphometry. **Clin Neuroradiol**. 2021 Mar;31(1):217-224
148. Schaller-Paule MA, Steidl E, Shrestha M, Deichmann R, Steinmetz H, Seiler A, Lapa S, Steiner T, Thonke S, Weidauer S, Konzalla J, Hattingen E, Foerch C. Multicenter Prospective Analysis of Hypertrophic Olivary Degeneration Following Infratentorial Stroke (HOD-IS): Evaluation of Disease Epidemiology, Clinical Presentation, and MR-Imaging Aspects. **Front Neurol**. 2021 Jul 16;12:675123
149. Schindler P, Grittner U, Oechtering J, Leppert D, Siebert N, Duchow AS, Oertel FC, Asseyer S, Kuchling J, Zimmermann HG, Brandt AU, Benkert P, Reindl M, Jarius S, Paul F, Bellmann-Strobl J, Kuhle J, Ruprecht K. Serum GFAP and NfL as disease severity and prognostic biomarkers in patients with aquaporin-4 antibody-positive neuromyelitis optica spectrum disorder. **J Neuroinflammation**. 2021 May 1;18(1):105
150. Schmid D, Warnken U, Latzer P, Hoffmann DC, Roth J, Kutschmann S, Jaschonek H, Rübmann P, Foltyn M, Vollmuth P, Winkler F, Seliger C, Felix M, Sahn F, Haas J, Reuss D, Bendszus M, Wildemann B, von Deimling A, Wick W, Kessler T. Diagnostic biomarkers from proteomic characterization of cerebrospinal fluid in patients with brain malignancies. **J Neurochem**. 2021 Jul;158(2):522-538

151. Schnabel RB, Camen S, Knebel F, Hagedorff A, Bavendiek U, Böhm M, Doehner W, Endres M, Gröschel K, Goette A, Huttner HB, Jensen C, Kirchhof P, Korosoglou G, Laufs U, Liman J, Morbach C, Nabavi DG, Neumann-Haefelin T, Pfeilschifter W, Poli S, Rizos T, Rolf A, Röther J, Schäbitz WR, Steiner T, Thomalla G, Wachter R, Haeusler KG. Expert opinion paper on cardiac imaging after ischemic stroke. **Clin Res Cardiol**. 2021 Jul;110(7):938-958
152. Schnabel E, Knoll M, Schwager C, Warta R, Mock A, Campos B, König L, Jungk C, Wick W, Unterberg A, Debus J, Herold-Mende C, Abdollahi A. Prognostic Value of microRNA-221/2 and 17-92 Families in Primary Glioblastoma Patients Treated with Postoperative Radiotherapy. **Int J Mol Sci**. 2021 Mar 15;22(6):2960
153. Schnuelle P, Drüschler K. Low-dose dopamine for renal transplantation: Gain of knowledge through pooled data analysis? **J Clin Anesth**. 2021 Jun;70:110196
154. Seiffge DJ, Meinel T, Purrucker JC, Kaesmacher J, Fischer U, Wilson D, Wu TY. Recanalisation therapies for acute ischaemic stroke in patients on direct oral anticoagulants. **J Neurol Neurosurg Psychiatry**. 2021 May;92(5):534-541
155. Seker F, Fiehler J, Möhlenbruch MA, Herweh C, Flottmann F, Ringleb PA, Thomalla G, Steiner T, Kraemer C, Brekenfeld C, Bendszus M. Clinical Outcome After Endovascular Thrombectomy in 3 Triage Concepts: A Prospective, Observational Study (NEUROSQUAD). **Stroke**. 2021 Jun;52(6):e213-e216
156. Shahjouei S, Tsivgoulis G, Farahmand G, Koza E, Mowla A, Vafaei Sadr A, Kia A, Vaghefi Far A, Mondello S, Cernigliaro A, Ranta A, Punter M, Khodadadi F, Naderi S, Sabra M, Ramezani M, Amini Harandi A, Olulana O, Chaudhary D, Lyoubi A, Campbell BCV, Arenillas JF, Bock D, Montaner J, Aghayari Sheikh Neshin S, Aguiar de Sousa D, Tenser MS, Aires A, Alfonso ML, Alizada O, Azevedo E, Goyal N, Babaeepour Z, Banihashemi G, Bonati LH, Cereda CW, Chang JJ, Crnjakovic M, De Marchis GM, Del Sette M, Ebrahimzadeh SA, Farhoudi M, Gandoglia I, Gonçalves B, Griessenauer CJ, Murat Hanci M, Katsanos AH, Krogias C, Leker RR, Lotman L, Mai J, Male S, Malhotra K, Malojcic B, Mesquita T, Mir Ghasemi A, Mohamed Aref H, Mohseni Afshar Z, Moon J, Niemelä M, Rezai Jahromi B, Nolan L, Pandhi A, Park JH, Marto JP, Purroy F, Ranji-Burachaloo S, Carreira NR, Requena M, Rubiera M, Sajedi SA, Sargento-Freitas J, Sharma VK, Steiner T, Temporetti K, Turc G, Ahmadzadeh Y, Almasi-Dooghaee M, Assarzaghan F, Babazadeh A, Baharvahdat H, Cardoso FB, Dev A, Ghorbani M, Hamidi A, Hasheminejad ZS, Hojjat-Anasri Komachali S, Khorvash F, Kobeissy F, Mirkarimi H, Mohammadi-Vosough E, Misra D, Noorian AR, Nowrouzi-Sohrabi P, Paybast S, Poorsaadat L, Roozbeh M, Sabayan B, Salehzadeh S, Saberi A, Sepehrnia M, Vahabizad F, Yasuda TA, Ghabaee M, Rahimian N, Harirchian MH, Borhani-Haghighi A, Azarpazhooh MR, Arora R, Ansari S, Avula V, Li J, Abedi V, Zand R. SARS-CoV-2 and Stroke Characteristics: A Report From the Multinational COVID-19 Stroke Study Group. **Stroke**. 2021 May;52(5):e117-e130
157. Sievers P, Stichel D, Sill M, Schimpf D, Sturm D, Selt F, Ecker J, Kazdal D, Miele E, Kranendonk MEG, Tops BBJ, Kohlhof-Meinecke P, Beschorner R, Kramm CM, Hasselblatt M, Reifenberger G, Capper D, Wesseling P, Stenzinger A, Milde T, Korshunov A, Witt O, Pfister SM, Wick W, von Deimling A, Jones DTW, Sahm F. GOPC:ROS1 and other ROS1 fusions represent a rare but recurrent drug target in a variety of glioma types. **Acta Neuropathol**. 2021 Dec;142(6):1065-1069
158. Sievers P, Henneken SC, Blume C, Sill M, Schimpf D, Stichel D, Okonechnikov K, Reuss DE, Benzel J, Maaß KK, Kool M, Sturm D, Zheng T, Ghasemi DR, Kohlhof-Meinecke P, Cruz O, Suñol M, Lavarino C, Ruf V, Boldt HB, Pagès M, Pouget C, Schweizer L, Kranendonk MEG, Akhtar N, Bunkowski S, Stadelmann C, Schüller U, Mueller WC, Dohmen H, Acker T, Harter PN, Mawrin C, Beschorner R, Brandner S, Snuderl M, Abdullaev Z, Aldape K, Gilbert MR, Armstrong TS, Ellison DW, Capper D,

Ichimura K, Reifenberger G, Grundy RG, Jabado N, Krskova L, Zapotocky M, Vicha A, Varlet P, Wesseling P, Rutkowski S, Korshunov A, Wick W, Pfister SM, Jones DTW, von Deimling A, Pajtler KW, Sahm F. Recurrent fusions in PLAGL1 define a distinct subset of pediatric-type supratentorial neuroepithelial tumors. **Acta Neuropathol.** 2021 Nov;142(5):827-839

159. Sievers P, Sill M, Blume C, Tauziede-Espariat A, Schrimpf D, Stichel D, Reuss DE, Dogan H, Hartmann C, Mawrin C, Hasselblatt M, Stummer W, Schick U, Hench J, Frank S, Ketter R, Schweizer L, Schittenhelm J, Puget S, Brandner S, Jaunmuktane Z, Küsters B, Abdullaev Z, Pekmezci M, Snuderl M, Ratliff M, Herold-Mende C, Unterberg A, Aldape K, Ellison DW, Wesseling P, Reifenberger G, Wick W, Perry A, Varlet P, Pfister SM, Jones DTW, von Deimling A, Sahm F; German Consortium "Aggressive Meningiomas". Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. **Acta Neuropathol.** 2021 Feb;141(2):281-290
160. Sievers P, Sill M, Schrimpf D, Stichel D, Reuss DE, Sturm D, Hench J, Frank S, Krskova L, Vicha A, Zapotocky M, Bison B, Castel D, Grill J, Debily MA, Harter PN, Snuderl M, Kramm CM, Reifenberger G, Korshunov A, Jabado N, Wesseling P, Wick W, Solomon DA, Perry A, Jacques TS, Jones C, Witt O, Pfister SM, von Deimling A, Jones DTW, Sahm F. A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of EGFR. **Neuro Oncol.** 2021 Jan 30;23(1):34-43
161. Sokpor G, Kerimoglu C, Nguyen H, Pham L, Rosenbusch J, Wagener R, Nguyen HP, Fischer A, Staiger JF, Tuoc T. Loss of BAF Complex in Developing Cortex Perturbs Radial Neuronal Migration in a WNT Signaling-Dependent Manner. **Front Mol Neurosci.** 2021 Jun 16;14:687581
162. Song AJ, Ding K, Alnahhas I, Laperriere NJ, Perry J, Mason WP, Winch C, O'Callaghan CJ, Menten JJ, Brandes AA, Phillips C, Fay MF, Nishikawa R, Osoba D, Cairncross JG, Roa W, Wick W, Shi W. Impact of lymphopenia on survival for elderly patients with glioblastoma: A secondary analysis of the CCTG CE.6 (EORTC 26062-22061, TROG03.01) randomized clinical trial. **Neurooncol Adv.** 2021 Oct 15;3(1):1-8
163. Speidel V, Purrucker JC, Klobučníková K. Manifestation of Intracranial Lesions at High Altitude: Case Report and Review of the Literature. **High Alt Med Biol.** 2021 Mar;22(1):87-89
164. Srinivasan ES, Deshpande K, Neman J, Winkler F, Khasraw M. The microenvironment of brain metastases from solid tumors. **Neurooncol Adv.** 2021 Nov 27;3(Suppl 5):v121-v132
165. Stachulski F, Siegerink B, Bösel J. Dying in the Neurointensive Care Unit After Withdrawal of Life-Sustaining Therapy: Associations of Advance Directives and Health-Care Proxies With Timing and Treatment Intensity. **J Intensive Care Med.** 2021 Apr;36(4):451-458
166. Steiner T, Dichgans M, Norrving B, Aamodt AH, Berge E, Christensen H, Fuentes B, Khatri P, Korompoki E, Martí-Fabregas J, Quinn T, Toni D, Zedde M, Sacco C, Turc G. European Stroke Organisation (ESO) standard operating procedure for the preparation and publishing of guidelines. **Eur Stroke J.** 2021 Sep;6(3):CXXII-CXXXIV
167. Steiner T, Unterberg A. S2k-Leitlinie: Behandlung von spontanen intrazerebralen Blutungen. **DGNeurologie.** 2021 4:457-480
168. Stetefeld HR, Schaal A, Scheibe F, Nichtweiß J, Lehmann F, Müller M, Gerner ST, Huttner HB, Luger S, Fuhrer H, Bösel J, Schönenberger S, Dimitriadis K, Neumann B, Fuchs K, Fink GR, Malter MP; IGNITE

Study Group, with support from the German Neurocritical Care Society (DGNI). Isoflurane in (Super-) Refractory Status Epilepticus: A Multicenter Evaluation. **Neurocrit Care**. 2021 Dec;35(3):631-639

169. [Sun X](#), [Turcan S](#). From Laboratory Studies to Clinical Trials: Temozolomide Use in IDH-Mutant Gliomas. **Cells**. 2021 May 17;10(5):1225
170. Suwala AK, Stichel D, Schrimpf D, Maas SLN, Sill M, Dohmen H, Banan R, Reinhardt A, Sievers P, Hinz F, Blattner-Johnson M, Hartmann C, Schweizer L, Boldt HB, Kristensen BW, Schittenhelm J, Wood MD, Chotard G, Bjergvig R, Das A, Tabori U, Hasselblatt M, Korshunov A, Abdullaev Z, Quezado M, Aldape K, Harter PN, Snuderl M, Hench J, Frank S, Acker T, Brandner S, [Winkler F](#), Wesseling P, Pfister SM, Reuss DE, [Wick W](#), von Deimling A, Jones DTW, Sahm F. Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. **Acta Neuropathol**. 2021 Jul;142(1):179-189
171. Suwala AK, Stichel D, Schrimpf D, Kloor M, Wefers AK, Reinhardt A, Maas SLN, Kratz CP, Schweizer L, Hasselblatt M, Snuderl M, Abedalthagafi MSJ, Abdullaev Z, Monoranu CM, Bergmann M, Pekrun A, Freyschlag C, Aronica E, Kramm CM, Hinz F, Sievers P, Korshunov A, Kool M, Pfister SM, Sturm D, Jones DTW, [Wick W](#), Unterberg A, Hartmann C, Dodgshun A, Tabori U, Wesseling P, Sahm F, von Deimling A, Reuss DE. Primary mismatch repair deficient IDH-mutant astrocytoma (PMMRDIA) is a distinct type with a poor prognosis. **Acta Neuropathol**. 2021 Jan;141(1):85-100
172. Tabas A, [Andermann M](#), [Schuberth V](#), [Riedel H](#), Balaguer-Ballester E, [Rupp A](#). Correction: Modeling and MEG evidence of early consonance processing in auditory cortex. **PLoS Comput Biol**. 2021 Dec 13;17(12):e1009694
173. Tan AC, Bagley SJ, Wen PY, Lim M, Platten M, Colman H, Ashley DM, [Wick W](#), Chang SM, Galanis E, Mansouri A, Khagi S, Mehta MP, Heimberger AB, Pudevalli VK, Reardon DA, Sahebjam S, Simes J, Antonia SJ, Berry D, Khasraw M. Systematic review of combinations of targeted or immunotherapy in advanced solid tumors. **J Immunother Cancer**. 2021 Jul;9(7):e002459
174. [Taranda J](#), [Turcan S](#). 3D Whole-Brain Imaging Approaches to Study Brain Tumors. **Cancers (Basel)**. 2021 Apr 15;13(8):1897
175. Tesileanu CMS, van den Bent MJ, Sanson M, [Wick W](#), Brandes AA, Clement PM, Erridge SC, Vogelbaum MA, Nowak AK, Baurain JF, Mason WP, Wheeler H, Chinot OL, Gill S, Griffin M, Rogers L, Taal W, Rudà R, Weller M, McBain C, van Linde ME, Sabedot TS, Hoogstrate Y, von Deimling A, de Heer I, van IJcken WFJ, Brouwer RWW, Aldape K, Jenkins RB, Dubbink HJ, Kros JM, Wesseling P, Cheung KJ, Golfinopoulos V, Baumert BG, Gorlia T, Noushmehr H, French PJ. Prognostic significance of genome-wide DNA methylation profiles within the randomized, phase 3, EORTC CATNON trial on non-1p/19q deleted anaplastic glioma. **Neuro Oncol**. 2021 Sep 1;23(9):1547-1559
176. Tesileanu CMS, Vallentgoed WR, Sanson M, Taal W, Clement PM, [Wick W](#), Brandes AA, Baurain JF, Chinot OL, Wheeler H, Gill S, Griffin M, Rogers L, Rudà R, Weller M, McBain C, Reijneveld J, Enting RH, Caparrotti F, Lesimple T, Clenton S, Gijtenbeek A, Lim E, de Vos F, Mulholland PJ, Taphoorn MJB, de Heer I, Hoogstrate Y, de Wit M, Boggiani L, Venneker S, Oosting J, Bovée JVMG, Erridge S, Vogelbaum MA, Nowak AK, Mason WP, Kros JM, Wesseling P, Aldape K, Jenkins RB, Dubbink HJ, Baumert B, Golfinopoulos V, Gorlia T, van den Bent M, French PJ. Non-IDH1-R132H IDH1/2 mutations are associated with increased DNA methylation and improved survival in astrocytomas, compared to IDH1-R132H mutations. **Acta Neuropathol**. 2021 Jun;141(6):945-957

177. Träschütz A, Cortese A, Reich S, Dominik N, Faber J, Jacobi H, Hartmann AM, Rujescu D, Montaut S, Echaniz-Laguna A, Erer S, Schütz VC, Tarnutzer AA, Sturm M, Haack TB, Vaucamps-Diedhiou N, Puccio H, Schöls L, Klockgether T, van de Warrenburg BP, Paucar M, Timmann D, Hilgers RD, Gazulla J, Strupp M, Moris G, Filla A, Houlden H, Anheim M, Infante J, Basak AN, Synofzik M; RFC1 study group. Natural History, Phenotypic Spectrum, and Discriminative Features of Multisystemic RFC1-disease. **Neurology**. 2021 Mar 2;96(9):e1369-e1382
178. Ungerer MN, Hund E, Purrucker JC, Huber L, Kimmich C, Aus dem Siepen F, Hein S, Kristen AV, Hinderhofer K, Kollmer J, Schönland S, Hegenbart U, Weiler M. Real-world outcomes in non-endemic hereditary transthyretin amyloidosis with polyneuropathy: a 20-year German single-referral centre experience. **Amyloid**. 2021 Jun;28(2):91-99
179. Uzun G, Althaus K, Singh A, Möller P, Ziemann U, Mengel A, Rosenberger P, Guthoff M, Petzold GC, Müller J, Büchsel M, Feil K, Henkes H, Heyne N, Maschke M, Limpach C, Nagel S, Sachs UJ, Fend F, Bakchoul T. The use of IV immunoglobulin in the treatment of vaccine-induced immune thrombotic thrombocytopenia. **Blood**. 2021 Sep 16;138(11):992-996
180. van den Bent MJ, Tesileanu CMS, Wick W, Sanson M, Brandes AA, Clement PM, Erridge S, Vogelbaum MA, Nowak AK, Baurain JF, Mason WP, Wheeler H, Chinot OL, Gill S, Griffin M, Rogers L, Taal W, Rudà R, Weller M, McBain C, Reijneveld J, Enting RH, Caparrotti F, Lesimple T, Clenton S, Gijtenbeek A, Lim E, Herrlinger U, Hau P, Dhermain F, de Heer I, Aldape K, Jenkins RB, Dubbink HJ, Kros JM, Wesseling P, Nuyens S, Golfopoulos V, Gorlia T, French P, Baumert BG. Adjuvant and concurrent temozolomide for 1p/19q non-co-deleted anaplastic glioma (CATNON; EORTC study 26053-22054): second interim analysis of a randomised, open-label, phase 3 study. **Lancet Oncol**. 2021 Jun;22(6):813-823
181. van der Worp HB, Hofmeijer J, Jüttler E, Lal A, Michel P, Santalucia P, Schönenberger S, Steiner T, Thomalla G. European Stroke Organisation (ESO) guidelines on the management of space-occupying brain infarction. **Eur Stroke J**. 2021 Jun;6(2):XC-CX
182. Van Mieghem NM, Unverdorben M, Hengstenberg C, Möllmann H, Mehran R, López-Otero D, Nombela-Franco L, Moreno R, Nordbeck P, Thiele H, Lang I, Zamorano JL, Shawl F, Yamamoto M, Watanabe Y, Hayashida K, Hambrecht R, Meincke F, Vranckx P, Jin J, Boersma E, Rodés-Cabau J, Ohlmann P, Capranzano P, Kim HS, Pilgrim T, Anderson R, Baber U, Duggal A, Laeis P, Lanz H, Chen C, Valgimigli M, Veltkamp R, Saito S, Dangas GD; ENVISAGE-TAVI AF Investigators. Edoxaban versus Vitamin K Antagonist for Atrial Fibrillation after TAVR. **N Engl J Med**. 2021 Dec 2;385(23):2150-2160
183. Veltkamp R, Purrucker JC, Weber R. Neurovaskuläre Manifestationen von COVID-19. **Nervenarzt**. 2021 Jun;92(6):531-539
184. Veltkamp R, Lehmann L. The Authors reply: Comment on: "Experimental ischaemic stroke induces transient cardiac atrophy" by Veltkamp et al. **J Cachexia Sarcopenia Muscle**. 2021 Apr;12(2):525
185. Venkataramani V, Winkler F. Activation of retinal neurons triggers tumour formation in cancer-prone mice. **Nature**. 2021 Jun;594(7862):179-180
186. Venkataramani V, Tanev DJ, Kuner T, Wick W, Winkler F. Synaptic Input to Brain Tumors: Clinical Implications. **Neuro Oncol**. 2021 Jan 30;23(1):23-33
187. Vils A, Bogowicz M, Tanadini-Lang S, Vuong D, Saltybaeva N, Kraft J, Wirsching HG, Gramatzki D, Wick W, Rushing E, Reifenberger G, Guckenberger M, Weller M, Andratschke N. Radiomic Analysis to

Predict Outcome in Recurrent Glioblastoma Based on Multi-Center MR Imaging From the Prospective DIRECTOR Trial. **Front Oncol.** 2021 Apr 14;11:636672

188. Vollmuth C, Miljukov O, Abu-Mugheisib M, Angermaier A, Barlinn J, [Busetto L](#), Grau AJ, Guenther A, [Gumbinger C](#), Hubert N, Hüttemann K, Klingner C, Naumann M, Palm F, Remi J, Rücker V, Schessl J, Schlachetzki F, Schuppner R, Schwab S, Schwartz A, Trommer A, Urbanek C, Volbers B, Weber J, Wojciechowski C, Worthmann H, Zickler P, Heuschmann PU, Haeusler KG, Hubert GJ. Impact of the coronavirus disease 2019 pandemic on stroke teleconsultations in Germany in the first half of 2020. **Eur J Neurol.** 2021 Oct;28(10):3267-3278
189. Walbert T, Harrison RA, Schiff D, Avila EK, Chen M, Kandula P, Lee JW, Le Rhun E, Stevens GHJ, Vogelbaum MA, [Wick W](#), Weller M, Wen PY, Gerstner ER. SNO and EANO practice guideline update: Anticonvulsant prophylaxis in patients with newly diagnosed brain tumors. **Neuro Oncol.** 2021 Nov 2;23(11):1835-1844
190. Weber R, Bartig D, Krogias C, Richter D, [Hacke W](#), Eyding J. Letter to the Editor: Analysis of stroke patient migration for mechanical thrombectomy and changes in neurointerventional center size in Germany. **Neurol Res Pract.** 2021 Jun 7;3(1):32;1-4
191. Weller M, van den Bent M, Preusser M, Le Rhun E, Tonn JC, Minniti G, Bendszus M, Balana C, Chinot O, Dirven L, French P, Hegi ME, Jakola AS, Platten M, Roth P, Rudà R, Short S, Smits M, Taphoorn MJB, von Deimling A, Westphal M, Soffietti R, Reifenberger G, [Wick W](#). EANO guidelines on the diagnosis and treatment of diffuse gliomas of adulthood. **Nat Rev Clin Oncol.** 2021 Mar;18(3):170-186
192. Weyland CS, Neuberger U, Potreck A, Pfaff JAR, [Nagel S](#), [Schönenberger S](#), Bendszus M, Möhlenbruch MA. Reasons for Failed Mechanical Thrombectomy in Posterior Circulation Ischemic Stroke Patients. **Clin Neuroradiol.** 2021 Sep;31(3):745-752
193. Weyland CS, [Chen M](#), Potreck A, [Jäger LB](#), Seker F, [Schönenberger S](#), Bendszus M, Möhlenbruch M. Sedation Mode During Endovascular Stroke Treatment in the Posterior Circulation-Is Conscious Sedation for Eligible Patients Feasible? **Front Neurol.** 2021 Sep 17;12:711558
194. Weyland CS, [Mokli Y](#), Vey JA, Kieser M, Herweh C, [Schönenberger S](#), Bendszus M, Möhlenbruch MA, [Ringleb PA](#), [Nagel S](#). Predictors for Failure of Early Neurological Improvement After Successful Thrombectomy in the Anterior Circulation. **Stroke.** 2021 Apr;52(4):1291-1298
195. [Wick A](#), Bähr O, Schuler M, Rohrberg K, Chawla SP, Janku F, Schiff D, Heinemann V, Narita Y, Lenz HJ, Ikeda M, Ando Y, [Wick W](#), Steinbach JP, Burger MC, Wenger K, Lassen U, Sankhala KK, Roggia C, Genvresse I, Munhoz C, Rentzsch C, Reschke S, Langer S, Wagner M, Kaulfuss S, Cai C, Lagkadinou E, Jeffers M, Peña C, Tabatabai G. Phase I Assessment of Safety and Therapeutic Activity of BAY1436032 in Patients with IDH1-Mutant Solid Tumors. **Clin Cancer Res.** 2021 May 15;27(10):2723-2733
196. Wick M, Gross CC, Tumani H, [Wildemann B](#), Stangel M, On Behalf Of The German Society Of Csf Diagnostics And Clinical Neurochemistry Dgln E V. Automated Analysis of Cerebrospinal Fluid Cells Using Commercially Available Blood Cell Analysis Devices-A Critical Appraisal. **Cells.** 2021 May 18;10(5):1232
197. [Wildemann B](#), [Jarius S](#), Lehmann LH, André F, Frey N, Schnitzler P, [Jäger L](#), [Gumbinger C](#), [Viehöver A](#). COVID-19-related severe MS exacerbation with life-threatening Takotsubo cardiomyopathy in a

previously stable patient and interference of MS therapy with long-term immunity against SARS-CoV-2. **J Neurol.** 2021 Oct 7;268:1-4

198. Wildemann B, Jarius S, Franz J, Ruprecht K, Reindl M, Stadelmann C. MOG-expressing teratoma followed by MOG-IgG-positive optic neuritis. **Acta Neuropathol.** 2021 Jan;141(1):127-131
199. Winkler F. Silencing glioblastoma networks to make temozolomide more effective. **Neuro Oncol.** 2021 Nov 2;23(11):1807-1809
200. Winkler F. In glioma, all endothelial cells are not created the same. **Neuro Oncol.** 2021 Jun 1;23(6):863-864
201. Witsch J, Siegerink B, Nolte CH, Sprügel M, Steiner T, Endres M, Huttner HB. Prognostication after intracerebral hemorrhage: a review. **Neurol Res Pract.** 2021 May 3;3(1):22
202. Xie R, Kessler T, Grosch J, Hai L, Venkataramani V, Huang L, Hoffmann DC, Solecki G, Ratliff M, Schlesner M, Wick W, Winkler F. Tumor cell network integration in glioma represents a stemness feature. **Neuro Oncol.** 2021 May 5;23(5):757-769
203. Zala N, Wirth L, Jordan B, Meredig H, Rizos T. Thunderclap Headache: A Primary Symptom of a Steroid-Responsive Encephalopathy with Autoimmune Thyroiditis. **Case Rep Neurol Med.** 2021 May 12;2021:5517934

Buchbeiträge / Monographien:

- Busetto, L, Calciolari, S, González-Ortiz, L., Luijckx, KG, & Vrijhoef, B. Integrated care and the health workforce. 2021. In Handbook Integrated Care pp. 327-339. Springer, Cham. ISBN: 978-3-030-69261-2
- Nagel S. Die zerebrale Sinus- und Venenthrombose (SVT). In: Intensivmedizin Compact Neuauflage (hrsg. Weigand M, Hecker A, Mayer K, Michalski D) 2021, Thieme Verlag, pp 532-537. ISBN 978-3-13-241853-0