1: Norris GA, Willard N, Donson AM, Gaskell A, Milgrom SA, O'Neill BR, Nijmeh H, Haag M, Gilani A, Foreman NK, Dahl NA. PDGFB:APOBEC3C fusion in congenital diffuse high-grade glioma of the brainstem. J Neuropathol Exp Neurol. 2022 Nov 28:nlac112. doi: 10.1093/jnen/nlac112. Epub ahead of print. PMID: 36440550.

2: Lim YG, Tan EE, Looi WS, Wong RX, Chang KT, Low DC, Seow WT, Low SY. Biopsy of paediatric brainstem intrinsic tumours: Experience from a Singapore Children's Hospital. J Clin Neurosci. 2022 Dec;106:8-13. doi: 10.1016/j.jocn.2022.09.021. Epub 2022 Oct 10. PMID: 36228504.

3: Zats LP, Ahmad L, Casden N, Lee MJ, Belzer V, Adato O, Bar Cohen S, Ko SB, Filbin MG, Unger R, Lauffenburger DA, Segal RA, Behar O. An affinity for brainstem microglia in pediatric high-grade gliomas of brainstem origin. Neurooncol Adv. 2022 Jul 21;4(1):vdac117. doi: 10.1093/noajnl/vdac117. PMID: 35990702; PMCID: PMC9389428.

4: Rota CM, Brown AT, Addleson E, Ives C, Trumper E, Pelton K, Teh WP, Schniederjan MJ, Castellino RC, Buhrlage S, Lauffenburger DA, Ligon KL, Griffith LG, Segal RA. Synthetic extracellular matrices and astrocytes provide a supportive microenvironment for the cultivation and investigation of primary pediatric gliomas. Neurooncol Adv. 2022 Apr 13;4(1):vdac049. doi: 10.1093/noajnl/vdac049. PMID: 35669012; PMCID: PMC9159660.

5: Damodharan S, Lara-Velazquez M, Williamsen BC, Helgager J, Dey M. Diffuse Intrinsic Pontine Glioma: Molecular Landscape, Evolving Treatment Strategies and Emerging Clinical Trials. J Pers Med. 2022 May 20;12(5):840. doi: 10.3390/jpm12050840. PMID: 35629262; PMCID: PMC9144327.

6: Bhatia A, Lee VK, Qian Y, Paldino MJ, Ceschin R, Hect J, Mountz JM, Sun D, Kohanbash G, Pollack IF, Jakacki RI, Boada F, Panigrahy A. Quantitative Sodium (^{23}Na) MRI in Pediatric Gliomas: Initial Experience. Diagnostics (Basel). 2022 May 13;12(5):1223. doi: 10.3390/diagnostics12051223. PMID: 35626378; PMCID: PMC9140048.

7: Persson ML, Douglas AM, Alvaro F, Faridi P, Larsen MR, Alonso MM, Vitanza NA, Dun MD. The intrinsic and microenvironmental features of diffuse midline glioma: Implications for the development of effective immunotherapeutic treatment strategies. Neuro Oncol. 2022 Sep 1;24(9):1408-1422. doi: 10.1093/neuonc/noac117. PMID: 35481923; PMCID: PMC9435509.

8: Silva M, Vivancos C, Duffau H. The Concept of «Peritumoral Zone» in Diffuse Low-Grade Gliomas: Oncological and Functional Implications for a Connectome- Guided Therapeutic Attitude. Brain Sci. 2022 Apr 15;12(4):504. doi: 10.3390/brainsci12040504. PMID: 35448035; PMCID: PMC9032126.

9: Li J, Ma YY, Feng J, Zhao D, Ding F, Tian L, Chen R, Zhao R. [Diffuse midline gliomas with H3K27 alteration in children: a clinicopathological analysis of forty-one cases]. Zhonghua Bing Li Xue Za Zhi. 2022 Apr 8;51(4):319-325. Chinese. doi: 10.3760/cma.j.cn112151-20210830-00625. PMID: 35359043.

10: Parenrengi MA, Suryaningtyas W, Al Fauzi A, Hafid Bajamal A, Kusumastuti K, Utomo B, Muslim Hidayat Thamrin A, Sulistiono B. Nimotuzumab as Additional Therapy for GLIOMA in Pediatric and Adolescent: A Systematic Review. Cancer Control. 2022 Jan-Dec;29:10732748211053927. doi: 10.1177/10732748211053927. PMID: 35191733; PMCID: PMC8874160.

11: Saito R. [Diffuse midline glioma]. No Shinkei Geka. 2022 Jan;50(1):29-38. Japanese. doi: 10.11477/mf.1436204529. PMID: 35169084.

12: Khadka P, Reitman ZJ, Lu S, Buchan G, Gionet G, Dubois F, Carvalho DM, Shih J, Zhang S, Greenwald NF, Zack T, Shapira O, Pelton K, Hartley R, Bear H, Georgis Y, Jarmale S, Melanson R, Bonanno K, Schoolcraft K, Miller PG, Condurat AL, Gonzalez EM, Qian K, Morin E, Langhnoja J, Lupien

LE, Rendo V, Digiacomo J, Wang D, Zhou K, Kumbhani R, Guerra Garcia ME, Sinai CE, Becker S, Schneider R, Vogelzang J, Krug K, Goodale A, Abid T, Kalani Z, Piccioni F, Beroukhim R, Persky NS, Root DE, Carcaboso AM, Ebert BL, Fuller C, Babur O, Kieran MW, Jones C, Keshishian H, Ligon KL, Carr SA, Phoenix TN, Bandopadhayay P. PPM1D mutations are oncogenic drivers of de novo diffuse midline glioma formation. Nat Commun. 2022 Feb 1;13(1):604. doi: 10.1038/s41467-022-28198-8. PMID: 35105861; PMCID: PMC8807747.

13: Zhylka A, Sollmann N, Kofler F, Radwan A, De Luca A, Gempt J, Wiestler B, Menze B, Krieg SM, Zimmer C, Kirschke JS, Sunaert S, Leemans A, Pluim JPW. Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches. Front Oncol. 2021 Dec 14;11:761169. doi: 10.3389/fonc.2021.761169. PMID: 34970486; PMCID: PMC8712728.

14: de Billy E, Pellegrino M, Orlando D, Pericoli G, Ferretti R, Businaro P, Ajmone-Cat MA, Rossi S, Petrilli LL, Maestro N, Diomedi-Camassei F, Pezzullo M, De Stefanis C, Bencivenga P, Palma A, Rota R, Del Bufalo F, Massimi L, Weber G, Jones C, Carai A, Caruso S, De Angelis B, Caruana I, Quintarelli C, Mastronuzzi A, Locatelli F, Vinci M. Dual IGF1R/IR inhibitors in combination with GD2-CAR T-cells display a potent anti-tumor activity in diffuse midline glioma H3K27M-mutant. Neuro Oncol. 2022 Jul 1;24(7):1150-1163. doi: 10.1093/neuonc/noab300. PMID: 34964902; PMCID: PMC9248389.

15: Lao Y, Ruan D, Vassantachart A, Fan Z, Ye JC, Chang EL, Chin R, Kaprealian T, Zada G, Shiroishi MS, Sheng K, Yang W. Voxelwise Prediction of Recurrent High-Grade Glioma via Proximity Estimation-Coupled Multidimensional Support Vector Machine. Int J Radiat Oncol Biol Phys. 2022 Apr 1;112(5):1279-1287. doi: 10.1016/j.ijrobp.2021.12.153. Epub 2021 Dec 26. PMID: 34963559; PMCID: PMC8923952.

16: Xu C, Liu H, Pirozzi CJ, Chen LH, Greer PK, Diplas BH, Zhang L, Waitkus MS, He Y, Yan H. TP53 wild-type/PPM1D mutant diffuse intrinsic pontine gliomas are sensitive to a MDM2 antagonist. Acta Neuropathol Commun. 2021 Nov 3;9(1):178. doi: 10.1186/s40478-021-01270-y. PMID: 34732238; PMCID: PMC8565061.

17: Leszczynska KB, Jayaprakash C, Kaminska B, Mieczkowski J. Emerging Advances in Combinatorial Treatments of Epigenetically Altered Pediatric High-Grade H3K27M Gliomas. Front Genet. 2021 Sep 27;12:742561. doi: 10.3389/fgene.2021.742561. PMID: 34646308; PMCID: PMC8503186.

18: Gibson EG, Campagne O, Selvo NS, Gajjar A, Stewart CF. Population pharmacokinetic analysis of crizotinib in children with progressive/recurrent high-grade and diffuse intrinsic pontine gliomas. Cancer Chemother Pharmacol. 2021 Dec;88(6):1009-1020. doi: 10.1007/s00280-021-04357-4. Epub 2021 Sep 29. PMID: 34586478; PMCID: PMC8561710.

19: Roig-Carles D, Jackson H, Loveson KF, Mackay A, Mather RL, Waters E, Manzo M, Alborelli I, Golding J, Jones C, Fillmore HL, Crea F. The Long Non-Coding RNA H19 Drives the Proliferation of Diffuse Intrinsic Pontine Glioma with H3K27 Mutation. Int J Mol Sci. 2021 Aug 25;22(17):9165. doi: 10.3390/ijms22179165. PMID: 34502082; PMCID: PMC8431314.

20: Ius T, Ng S, Young JS, Tomasino B, Polano M, Ben-Israel D, Kelly JJP, Skrap M, Duffau H, Berger MS. The benefit of early surgery on overall survival in incidental low-grade glioma patients: A multicenter study. Neuro Oncol. 2022 Apr 1;24(4):624-638. doi: 10.1093/neuonc/noab210. PMID: 34498069; PMCID: PMC8972318.

21: Comba A, Faisal SM, Varela ML, Hollon T, Al-Holou WN, Umemura Y, Nunez FJ, Motsch S, Castro

MG, Lowenstein PR. Uncovering Spatiotemporal Heterogeneity of High-Grade Gliomas: From Disease Biology to Therapeutic Implications. Front Oncol. 2021 Aug 5;11:703764. doi: 10.3389/fonc.2021.703764. PMID: 34422657; PMCID: PMC8377724.

22: Tamilchelvan P, Boruah DK, Gogoi BB, Gogoi R. Role of MRI in Differentiating Various Posterior Cranial Fossa Space-Occupying Lesions Using Sensitivity and Specificity: A Prospective Study. Cureus. 2021 Jul 12;13(7):e16336. doi: 10.7759/cureus.16336. PMID: 34395119; PMCID: PMC8357022.

23: McCrea HJ, Ivanidze J, O'Connor A, Hersh EH, Boockvar JA, Gobin YP, Knopman J, Greenfield JP. Intraarterial delivery of bevacizumab and cetuximab utilizing blood-brain barrier disruption in children with high-grade glioma and diffuse intrinsic pontine glioma: results of a phase I trial. J Neurosurg Pediatr. 2021 Aug 6;28(4):371-379. doi: 10.3171/2021.3.PEDS20738. PMID: 34359048.

24: Mahmoud AT, Enayet A, Alselisly AMA. Surgical considerations for maximal safe resection of exophytic brainstem glioma in the pediatric age group. Surg Neurol Int. 2021 Jun 28;12:310. doi: 10.25259/SNI_318_2021. PMID: 34345451; PMCID: PMC8326137.

25: Kaneva K, O'Halloran K, Triska P, Liu X, Merkurjev D, Bootwalla M, Ryutov A, Cotter JA, Ostrow D, Biegel JA, Gai X. The spectrum of mitochondrial DNA (mtDNA) mutations in pediatric CNS tumors. Neurooncol Adv. 2021 Jun 2;3(1):vdab074. doi: 10.1093/noajnl/vdab074. PMID: 34337412; PMCID: PMC8320689.

26: Izquierdo E, Proszek P, Pericoli G, Temelso S, Clarke M, Carvalho DM, Mackay A, Marshall LV, Carceller F, Hargrave D, Lannering B, Pavelka Z, Bailey S, Entz- Werle N, Grill J, Vassal G, Rodriguez D, Morgan PS, Jaspan T, Mastronuzzi A, Vinci M, Hubank M, Jones C. Droplet digital PCR-based detection of circulating tumor DNA from pediatric high grade and diffuse midline glioma patients. Neurooncol Adv. 2021 Jan 27;3(1):vdab013. doi: 10.1093/noajnl/vdab013. PMID: 34169282; PMCID: PMC8218704.

27: Fangusaro J, Cefalo MG, Garré ML, Marshall LV, Massimino M, Benettaib B, Biserna N, Poon J, Quan J, Conlin E, Lewandowski J, Simcock M, Jeste N, Hargrave DR, Doz F, Warren KE. Phase 2 Study of Pomalidomide (CC-4047) Monotherapy for Children and Young Adults With Recurrent or Progressive Primary Brain Tumors. Front Oncol. 2021 Jun 8;11:660892. doi: 10.3389/fonc.2021.660892. PMID: 34168987; PMCID: PMC8218626.

28: Wang J, Huang TY, Hou Y, Bartom E, Lu X, Shilatifard A, Yue F, Saratsis A. Epigenomic landscape and 3D genome structure in pediatric high-grade glioma. Sci Adv. 2021 Jun 2;7(23):eabg4126. doi: 10.1126/sciadv.abg4126. PMID: 34078608.

29: Metselaar DS, du Chatinier A, Stuiver I, Kaspers GJL, Hulleman E. Radiosensitization in Pediatric High-Grade Glioma: Targets, Resistance and Developments. Front Oncol. 2021 Apr 1;11:662209. doi: 10.3389/fonc.2021.662209. PMID: 33869066; PMCID: PMC8047603.

30: Ross JL, Velazquez Vega J, Plant A, MacDonald TJ, Becher OJ, Hambardzumyan D. Tumour immune landscape of paediatric high-grade gliomas. Brain. 2021 Oct 22;144(9):2594-2609. doi: 10.1093/brain/awab155. Erratum in: Brain. 2021 Oct 07;: PMID: 33856022; PMCID: PMC8536940.

31: Dahl NA, Donson AM, Sanford B, Wang D, Walker FM, Gilani A, Foreman NK, Tinkle CL, Baker SJ, Hoffman LM, Venkataraman S, Vibhakar R. NTRK Fusions Can Co-Occur With H3K27M Mutations and May Define Druggable Subclones Within Diffuse Midline Gliomas. J Neuropathol Exp Neurol. 2021 Mar 22;80(4):345-353. doi: 10.1093/jnen/nlab016. PMID: 33749791; PMCID: PMC7985828.

32: Prashanth A, Donaghy H, Stoner SP, Hudson AL, Wheeler HR, Diakos CI, Howell VM, Grau GE, McKelvey KJ. Are In Vitro Human Blood-Brain-Tumor-Barriers Suitable Replacements for In Vivo Models

of Brain Permeability for Novel Therapeutics? Cancers (Basel). 2021 Feb 25;13(5):955. doi: 10.3390/cancers13050955. PMID: 33668807; PMCID: PMC7956470.

33: Bailleul Q, Rakotomalala A, Ferry I, Leblond P, Meignan S, Furlan A. L'art de la guerre appliqué aux DIPG - Connais ton ennemi [The art of war as applied to pediatric gliomas: Know your enemy]. Med Sci (Paris). 2021 Feb;37(2):159-166. French. doi: 10.1051/medsci/2020279. Epub 2021 Feb 16. PMID: 33591259.

34: Liao Y, Luo Z, Deng Y, Zhang F, Rao R, Wang J, Xu L, Kumar SS, Sengupta S, DeWire-Schottmiller M, Berry K, Garrett M, Fouladi M, Drissi R, Lu QR. OLIG2 maintenance is not essential for diffuse intrinsic pontine glioma cell line growth but regulates tumor phenotypes. Neuro Oncol. 2021 Jul 1;23(7):1183-1196. doi: 10.1093/neuonc/noab016. PMID: 33539525; PMCID: PMC8661399.

35: Faisal SM, Mendez FM, Nunez F, Castro MG, Lowenstein PR. Immune-stimulatory (TK/Flt3L) gene therapy opens the door to a promising new treatment strategy against brainstem gliomas. Oncotarget. 2020 Dec 15;11(50):4607-4612. doi: 10.18632/oncotarget.27834. PMID: 33400737; PMCID: PMC7747859.

36: Patil N, Kelly ME, Yeboa DN, Buerki RA, Cioffi G, Balaji S, Ostrom QT, Kruchko C, Barnholtz-Sloan JS. Epidemiology of brainstem high-grade gliomas in children and adolescents in the United States, 2000-2017. Neuro Oncol. 2021 Jun 1;23(6):990-998. doi: 10.1093/neuonc/noaa295. PMID: 33346835; PMCID: PMC8168816.

37: Stichel D, Schrimpf D, Sievers P, Reinhardt A, Suwala AK, Sill M, Reuss DE, Korshunov A, Casalini BM, Sommerkamp AC, Ecker J, Selt F, Sturm D, Gnekow A, Koch A, Simon M, Hernáiz Driever P, Schüller U, Capper D, van Tilburg CM, Witt O, Milde T, Pfister SM, Jones DTW, von Deimling A, Sahm F, Wefers AK. Accurate calling of KIAA1549-BRAF fusions from DNA of human brain tumours using methylation array-based copy number and gene panel sequencing data. Neuropathol Appl Neurobiol. 2021 Apr;47(3):406-414. doi: 10.1111/nan.12683. Epub 2021 Jan 17. PMID: 33336421.

38: Dono A, Takayasu T, Ballester LY, Esquenazi Y. Adult diffuse midline gliomas: Clinical, radiological, and genetic characteristics. J Clin Neurosci. 2020 Dec;82(Pt A):1-8. doi: 10.1016/j.jocn.2020.10.005. Epub 2020 Nov 1. PMID: 33317715; PMCID: PMC7748263.

39: Ross JL, Chen Z, Herting CJ, Grabovska Y, Szulzewsky F, Puigdelloses M, Monterroza L, Switchenko J, Wadhwani NR, Cimino PJ, Mackay A, Jones C, Read RD, MacDonald TJ, Schniederjan M, Becher OJ, Hambardzumyan D. Platelet-derived growth factor beta is a potent inflammatory driver in paediatric high-grade glioma. Brain. 2021 Feb 12;144(1):53-69. doi: 10.1093/brain/awaa382. PMID: 33300045; PMCID: PMC7954387.

40: Climans SA, Ramos RC, Laperriere N, Bernstein M, Mason WP. Outcomes of presumed malignant glioma treated without pathological confirmation: a retrospective, single-center analysis. Neurooncol Pract. 2020 Jul;7(4):446-452. doi: 10.1093/nop/npaa009. Epub 2020 Mar 16. PMID: 33282325; PMCID: PMC7690356.

41: Hipp SJ, Goldman S, Kaushal A, Krauze A, Citrin D, Glod J, Walker K, Shih JH, Sethumadhavan H, O'Neill K, Garvin JH, Glade-Bender J, Karajannis MA, Atlas MP, Odabas A, Rodgers LT, Peer CJ, Savage J, Camphausen KA, Packer RJ, Figg WD, Warren KE. A phase I trial of lenalidomide and radiotherapy in children with diffuse intrinsic pontine gliomas or high-grade gliomas. J Neurooncol. 2020 Sep;149(3):437-445. doi: 10.1007/s11060-020-03627-0. Epub 2020 Oct 11. PMID: 33040274; PMCID: PMC7690216.

42: Mudassar F, Shen H, O'Neill G, Hau E. Targeting tumor hypoxia and mitochondrial metabolism with anti-parasitic drugs to improve radiation response in high-grade gliomas. J Exp Clin Cancer Res. 2020 Oct 7;39(1):208. doi: 10.1186/s13046-020-01724-6. Erratum in: J Exp Clin Cancer Res. 2021 Dec 1;40(1):375. PMID: 33028364; PMCID: PMC7542384.

43: Park J, Lee W, Yun S, Kim SP, Kim KH, Kim JI, Kim SK, Wang KC, Lee JY. STAT3 is a key molecule in the oncogenic behavior of diffuse intrinsic pontine glioma. Oncol Lett. 2020 Aug;20(2):1989-1998. doi: 10.3892/ol.2020.11699. Epub 2020 Jun 5. PMID: 32724445; PMCID: PMC7377111.

44: He YX, Qu CX, He YY, Shao J, Gao Q. Conventional MR and DW imaging findings of cerebellar primary CNS lymphoma: comparison with high-grade glioma. Sci Rep. 2020 Jun 19;10(1):10007. doi: 10.1038/s41598-020-67080-9. PMID: 32561819; PMCID: PMC7305207.

45: Crotty EE, Leary SES, Geyer JR, Olson JM, Millard NE, Sato AA, Ermoian RP, Cole BL, Lockwood CM, Paulson VA, Browd SR, Ellenbogen RG, Hauptman JS, Lee A, Ojemann JG, Vitanza NA. Children with DIPG and high-grade glioma treated with temozolomide, irinotecan, and bevacizumab: the Seattle Children's Hospital experience. J Neurooncol. 2020 Jul;148(3):607-617. doi: 10.1007/s11060-020-03558-w. Epub 2020 Jun 16. PMID: 32556862.

46: Erker C, Tamrazi B, Poussaint TY, Mueller S, Mata-Mbemba D, Franceschi E, Brandes AA, Rao A, Haworth KB, Wen PY, Goldman S, Vezina G, MacDonald TJ, Dunkel IJ, Morgan PS, Jaspan T, Prados MD, Warren KE. Response assessment in paediatric high-grade glioma: recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group. Lancet Oncol. 2020 Jun;21(6):e317-e329. doi: 10.1016/S1470-2045(20)30173-X. Erratum in: Lancet Oncol. 2020 Aug;21(8):e372. PMID: 32502458.

47: Mendez F, Kadiyala P, Nunez FJ, Carney S, Nunez FM, Gauss JC, Ravindran R, Pawar S, Edwards M, Garcia-Fabiani MB, Haase S, Lowenstein PR, Castro MG. Therapeutic Efficacy of Immune Stimulatory Thymidine Kinase and fms-like Tyrosine Kinase 3 Ligand (TK/Flt3L) Gene Therapy in a Mouse Model of High-Grade Brainstem Glioma. Clin Cancer Res. 2020 Aug 1;26(15):4080-4092. doi: 10.1158/1078-0432.CCR-19-3714. Epub 2020 Apr 24. PMID: 32332014; PMCID: PMC7415674.

48: Xue W, Ton H, Zhang J, Xie T, Chen X, Zhou B, Guo Y, Fang J, Wang S, Zhang W. Patient-derived orthotopic xenograft glioma models fail to replicate the magnetic resonance imaging features of the original patient tumor. Oncol Rep. 2020 May;43(5):1619-1629. doi: 10.3892/or.2020.7538. Epub 2020 Mar 9. PMID: 32323818; PMCID: PMC7107810.

49: Su JM, Murray JC, McNall-Knapp RY, Bowers DC, Shah S, Adesina AM, Paulino AC, Jo E, Mo Q, Baxter PA, Blaney SM. A phase 2 study of valproic acid and radiation, followed by maintenance valproic acid and bevacizumab in children with newly diagnosed diffuse intrinsic pontine glioma or high-grade glioma. Pediatr Blood Cancer. 2020 Jun;67(6):e28283. doi: 10.1002/pbc.28283. Epub 2020 Apr 14. PMID: 32285998.

50: Bailey CP, Figueroa M, Gangadharan A, Yang Y, Romero MM, Kennis BA, Yadavilli S, Henry V, Collier T, Monje M, Lee DA, Wang L, Nazarian J, Gopalakrishnan V, Zaky W, Becher OJ, Chandra J. Pharmacologic inhibition of lysine-specific demethylase 1 as a therapeutic and immune-sensitization strategy in pediatric high-grade glioma. Neuro Oncol. 2020 Sep 29;22(9):1302-1314. doi: 10.1093/neuonc/noaa058. PMID: 32166329; PMCID: PMC7523459.

51: Mendez FM, Núñez FJ, Garcia-Fabiani MB, Haase S, Carney S, Gauss JC, Becher OJ, Lowenstein PR, Castro MG. Epigenetic reprogramming and chromatin accessibility in pediatric diffuse intrinsic pontine gliomas: a neural developmental disease. Neuro Oncol. 2020 Feb 20;22(2):195-206. doi:

10.1093/neuonc/noz218. PMID: 32078691; PMCID: PMC7032633.

52: Roux A, Pallud J, Saffroy R, Edjlali-Goujon M, Debily MA, Boddaert N, Sanson M, Puget S, Knafo S, Adam C, Faillot T, Cazals-Hatem D, Mandonnet E, Polivka M, Dorfmüller G, Dauta A, Desplanques M, Gareton A, Pages M, Tauziede-Espariat A, Grill J, Bourdeaut F, Doz F, Dhermain F, Mokhtari K, Chretien F, Figarella- Branger D, Varlet P. High-grade gliomas in adolescents and young adults highlight histomolecular differences from their adult and pediatric counterparts. Neuro Oncol. 2020 Aug 17;22(8):1190-1202. doi: 10.1093/neuonc/noaa024. PMID: 32025728; PMCID: PMC7594566.

53: Janjua MB, Ban VS, El Ahmadieh TY, Hwang SW, Samdani AF, Price AV, Weprin BE, Batjer H. Diffuse intrinsic pontine gliomas: Diagnostic approach and treatment strategies. J Clin Neurosci. 2020 Feb;72:15-19. doi: 10.1016/j.jocn.2019.12.001. Epub 2019 Dec 20. PMID: 31870682.

54: Morais BA, Solla DJF, Matushita H, Teixeira MJ, Monaco BA. Pediatric intrinsic brainstem lesions: clinical, imaging, histological characterization, and predictors of survival. Childs Nerv Syst. 2020 May;36(5):933-939. doi: 10.1007/s00381-019-04453-0. Epub 2019 Dec 13. PMID: 31836906.

55: Tamura R, Miyoshi H, Yoshida K, Okano H, Toda M. Recent progress in the research of suicide gene therapy for malignant glioma. Neurosurg Rev. 2021 Feb;44(1):29-49. doi: 10.1007/s10143-019-01203-3. Epub 2019 Nov 28. PMID: 31781985.

56: Rechberger JS, Lu VM, Zhang L, Power EA, Daniels DJ. Clinical trials for diffuse intrinsic pontine glioma: the current state of affairs. Childs Nerv Syst. 2020 Jan;36(1):39-46. doi: 10.1007/s00381-019-04363-1. Epub 2019 Sep 6. PMID: 31489454.

57: Fons NR, Sundaram RK, Breuer GA, Peng S, McLean RL, Kalathil AN, Schmidt MS, Carvalho DM, Mackay A, Jones C, Carcaboso ÁM, Nazarian J, Berens ME, Brenner C, Bindra RS. PPM1D mutations silence NAPRT gene expression and confer NAMPT inhibitor sensitivity in glioma. Nat Commun. 2019 Aug 22;10(1):3790. doi: 10.1038/s41467-019-11732-6. PMID: 31439867; PMCID: PMC6706443.

58: La Rocca G, Sabatino G, Altieri R, Signorelli F, Ricciardi L, Gessi M, Della Pepa GM. Significance of H3K27M Mutation in “Nonmidline” High-Grade Gliomas of Cerebral Hemispheres. World Neurosurg. 2019 Nov;131:174-176. doi: 10.1016/j.wneu.2019.08.024. Epub 2019 Aug 12. PMID: 31415896.

59: Duchatel RJ, Jackson ER, Alvaro F, Nixon B, Hondermarck H, Dun MD. Signal Transduction in Diffuse Intrinsic Pontine Glioma. Proteomics. 2019 Nov;19(21-22):e1800479. doi: 10.1002/pmic.201800479. Epub 2019 Aug 14. PMID: 31328874.

60: Silva-Evangelista C, Barret E, Ménez V, Merlevede J, Kergrohen T, Saccasyn A, Oberlin E, Puget S, Beccaria K, Grill J, Castel D, Debily MA. A kinome-wide shRNA screen uncovers vaccinia-related kinase 3 (VRK3) as an essential gene for diffuse intrinsic pontine glioma survival. Oncogene. 2019 Sep;38(38):6479-6490. doi: 10.1038/s41388-019-0884-5. Epub 2019 Jul 19. PMID: 31324890.

61: Meel MH, Kaspers GJL, Hulleman E. Preclinical therapeutic targets in diffuse midline glioma. Drug Resist Updat. 2019 May;44:15-25. doi: 10.1016/j.drup.2019.06.001. Epub 2019 Jun 7. PMID: 31202081.

62: Martínez-Vélez N, Garcia-Moure M, Marigil M, González-Huarriz M, Puigdelloses M, Gallego Pérez-Larraya J, Zalacaín M, Marrodán L, Varela- Guruceaga M, Laspidea V, Aristu JJ, Ramos LI, Tejada-Solís S, Díez-Valle R, Jones C, Mackay A, Martínez-Climent JA, García-Barchino MJ, Raabe E, Monje M, Becher OJ, Junier MP, El-Habr EA, Chneiweiss H, Aldave G, Jiang H, Fueyo J, Patiño-García A, Gomez-Manzano C, Alonso MM. The oncolytic virus Delta-24-RGD elicits an antitumor effect in pediatric glioma and

DIPG mouse models. Nat Commun. 2019 May 28;10(1):2235. doi: 10.1038/s41467-019-10043-0. PMID: 31138805; PMCID: PMC6538754.

63: Ferracci FX, Michaud K, Duffau H. The landscape of postsurgical recurrence patterns in diffuse low-grade gliomas. Crit Rev Oncol Hematol. 2019 Jun;138:148-155. doi: 10.1016/j.critrevonc.2019.04.009. Epub 2019 Apr 15. PMID: 31092371.

64: Qi J, Esfahani DR, Huang T, Ozark P, Bartom E, Hashizume R, Bonner ER, An S, Horbinski CM, James CD, Saratsis AM. Tenascin-C expression contributes to pediatric brainstem glioma tumor phenotype and represents a novel biomarker of disease. Acta Neuropathol Commun. 2019 May 15;7(1):75. doi: 10.1186/s40478-019-0727-1. PMID: 31092287; PMCID: PMC6518697.

65: Sun Y, Sun Y, Yan K, Li Z, Xu C, Geng Y, Pan C, Chen X, Zhang L, Xi Q. Potent anti-tumor efficacy of palbociclib in treatment-naïve H3.3K27M-mutant diffuse intrinsic pontine glioma. EBioMedicine. 2019 May;43:171-179. doi: 10.1016/j.ebiom.2019.04.043. Epub 2019 May 3. PMID: 31060906; PMCID: PMC6558223.

66: He P, Chen W, Qiu XX, Xi YB, Guan H, Xia J. A Rare High-Grade Glioma with a Histone H3 K27M Mutation in the Hypothalamus of an Adult Patient. World Neurosurg. 2019 Aug;128:527-531. doi: 10.1016/j.wneu.2019.04.172. Epub 2019 Apr 29. PMID: 31048046.

67: Martinez-Velez N, Marigil M, García-Moure M, Gonzalez-Huarriz M, Aristu JJ, Ramos-García LI, Tejada S, Díez-Valle R, Patiño-García A, Becher OJ, Gomez- Manzano C, Fueyo J, Alonso MM. Delta-24-RGD combined with radiotherapy exerts a potent antitumor effect in diffuse intrinsic pontine glioma and pediatric high grade glioma models. Acta Neuropathol Commun. 2019 Apr 29;7(1):64. doi: 10.1186/s40478-019-0714-6. PMID: 31036068; PMCID: PMC6487528.

68: Lee S, Kambhampati M, Yadavilli S, Gordish-Dressman H, Santi M, Cruz CR, Packer RJ, Almira-Suarez MI, Hwang EI, Nazarian J. Differential Expression of Wilms' Tumor Protein in Diffuse Intrinsic Pontine Glioma. J Neuropathol Exp Neurol. 2019 May 1;78(5):380-388. doi: 10.1093/jnen/nlz021. PMID: 30990879; PMCID: PMC6467196.

69: Carceller F, Jerome NP, Fowkes LA, Khabra K, Mackinnon A, Bautista F, Marshall LV, Vaidya S, Mandeville H, Morgan V, Leach MO, Koh DM. Post- radiotherapy apparent diffusion coefficient (ADC) in children and young adults with high-grade gliomas and diffuse intrinsic pontine gliomas. Pediatr Hematol Oncol. 2019 Mar;36(2):103-112. doi: 10.1080/08880018.2019.1592267. Epub 2019 Apr 12. PMID: 30978130.

70: Lu QR, Qian L, Zhou X. Developmental origins and oncogenic pathways in malignant brain tumors. Wiley Interdiscip Rev Dev Biol. 2019 Jul;8(4):e342. doi: 10.1002/wdev.342. Epub 2019 Apr 3. PMID: 30945456; PMCID: PMC6565468.

71: Rodriguez D, Chambers T, Warmuth-Metz M, Aliaga ES, Warren D, Calmon R, Hargrave D, Garcia J, Vassal G, Grill J, Zahlmann G, Morgan PS, Jaspan T. Evaluation of the Implementation of the Response Assessment in Neuro-Oncology Criteria in the HERBY Trial of Pediatric Patients with Newly Diagnosed High- Grade Gliomas. AJNR Am J Neuroradiol. 2019 Mar;40(3):568-575. doi: 10.3174/ajnr.A5982. Epub 2019 Feb 28. PMID: 30819765; PMCID: PMC7028647.

72: Tsoli M, Shen H, Mayoh C, Franshaw L, Ehteda A, Upton D, Carvalho D, Vinci M, Meel MH, van Vuurden D, Plessier A, Castel D, Drissi R, Farrell M, Cryan J, Crimmins D, Caird J, Pears J, Francis S, Ludlow LEA, Carai A, Mastronuzzi A, Liu B, Hansford J, Gottardo N, Hassall T, Kirby M, Fouladi M, Hawkins C, Monje M, Grill J, Jones C, Hulleman E, Ziegler DS. International experience in the development of patient-derived xenograft models of diffuse intrinsic pontine glioma. J Neurooncol.

2019 Jan;141(2):253-263. doi: 10.1007/s11060-018-03038-2. Epub 2018 Nov 16. Erratum in: J Neurooncol. 2018 Nov 27;: PMID: 30446898.

73: Castel D, Philippe C, Kergrohen T, Sill M, Merlevede J, Barret E, Puget S, Sainte-Rose C, Kramm CM, Jones C, Varlet P, Pfister SM, Grill J, Jones DTW, Debily MA. Transcriptomic and epigenetic profiling of 'diffuse midline gliomas, H3 K27M-mutant' discriminate two subgroups based on the type of histone H3 mutated and not supratentorial or infratentorial location. Acta Neuropathol Commun. 2018 Nov 5;6(1):117. doi: 10.1186/s40478-018-0614-1. PMID: 30396367; PMCID: PMC6219253.

74: Osorio DS, Patel N, Ji L, Sposto R, Stanek J, Gardner SL, Allen JC, Cornelius A, McCowage GB, Termuhlen A, Dunkel IJ, Comito M, Garvin J, Finlay JL. Pre-irradiation intensive induction and marrow-ablative consolidation chemotherapy in young children with newly diagnosed high-grade brainstem gliomas: report of the “head-start” I and II clinical trials. J Neurooncol. 2018 Dec;140(3):717-725. doi: 10.1007/s11060-018-03003-z. Epub 2018 Nov 3. PMID: 30392092; PMCID: PMC7536888.

75: Tsang DS, Laperriere NJ. Re-irradiation for Paediatric Tumours. Clin Oncol (R Coll Radiol). 2019 Mar;31(3):191-198. doi: 10.1016/j.clon.2018.10.003. Epub 2018 Oct 29. PMID: 30385005.

76: Bailey CP, Figueroa M, Mohiuddin S, Zaky W, Chandra J. Cutting Edge Therapeutic Insights Derived from Molecular Biology of Pediatric High-Grade Glioma and Diffuse Intrinsic Pontine Glioma (DIPG). Bioengineering (Basel). 2018 Oct 18;5(4):88. doi: 10.3390/bioengineering5040088. PMID: 30340362; PMCID: PMC6315414.

77: Lobon-Iglesias MJ, Santa-Maria Lopez V, Puerta Roldan P, Candela-Cantó S, Ramos-Albiac M, Gomez-Chiari M, Puget S, Bolle S, Goumnerova L, Kieran MW, Cruz O, Grill J, Morales La Madrid A. Tumor dissemination through surgical tracts in diffuse intrinsic pontine glioma. J Neurosurg Pediatr. 2018 Dec 1;22(6):678-683. doi: 10.3171/2018.6.PEDS17658. PMID: 30192215.

78: Lieberman NAP, DeGolier K, Kovar HM, Davis A, Hoglund V, Stevens J, Winter C, Deutsch G, Furlan SN, Vitanza NA, Leary SES, Crane CA. Characterization of the immune microenvironment of diffuse intrinsic pontine glioma: implications for development of immunotherapy. Neuro Oncol. 2019 Jan 1;21(1):83-94. doi: 10.1093/neuonc/noy145. PMID: 30169876; PMCID: PMC6303470.

79: Maxwell R, Luksik AS, Garzon-Muvdi T, Yang W, Huang J, Bettegowda C, Jallo GI, Terezakis SA, Groves ML. Population-based Study Determining Predictors of Cancer-Specific Mortality and Survival in Pediatric High-grade Brainstem Glioma. World Neurosurg. 2018 Nov;119:e1006-e1015. doi: 10.1016/j.wneu.2018.08.044. Epub 2018 Aug 20. PMID: 30138731.

80: Lin GL, Nagaraja S, Filbin MG, Suvà ML, Vogel H, Monje M. Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma. Acta Neuropathol Commun. 2018 Jun 28;6(1):51. doi: 10.1186/s40478-018-0553-x. PMID: 29954445; PMCID: PMC6022714.

81: Su L, Ding M, Chen L, Li C, Lao M. Primary central nervous system lymphoma in a patient with systemic lupus erythematosus mimicking high-grade glioma: A case report and review of literature. Medicine (Baltimore). 2018 Jun;97(23):e11072. doi: 10.1097/MD.0000000000011072. PMID: 29879076; PMCID: PMC5999485.

82: Koschmann C, Farooqui Z, Kasaian K, Cao X, Zamler D, Stallard S, Venneti S, Hervey-Jumper S, Garton H, Muraszko K, Franchi L, Robertson PL, Leonard M, Opipari V, Castro MG, Lowenstein PR, Chinnaiyan A, Mody R. Multi-focal sequencing of a diffuse intrinsic pontine glioma establishes PTEN loss as an early event. NPJ Precis Oncol. 2017 Sep 14;1(1):32. doi: 10.1038/s41698-017-0033-y. PMID:

29872713; PMCID: PMC5871904.

83: Mohme M, Fritzsche FS, Mende KC, Matschke J, Löbel U, Kammler G, Westphal M, Emami P, Martens T. Tectal gliomas: assessment of malignant progression, clinical management, and quality of life in a supposedly benign neoplasm. Neurosurg Focus. 2018 Jun;44(6):E15. doi: 10.3171/2018.3.FOCUS1850. PMID: 29852760.

84: Picca A, Berzero G, Bielle F, Touat M, Savatovsky J, Polivka M, Trisolini E, Meunier S, Schmitt Y, Idbaih A, Hoang-Xuan K, Delattre JY, Mokhtari K, Di Stefano AL, Sanson M. FGFR1 actionable mutations, molecular specificities, and outcome of adult midline gliomas. Neurology. 2018 Jun 5;90(23):e2086-e2094. doi: 10.1212/WNL.0000000000005658. Epub 2018 May 4. PMID: 29728520.

85: Liu X, Li J, Xu Q, Mantini D, Wang P, Xie Y, Weng Y, Ma C, Sun K, Zhang Z, Lu G. Pathological factors contributing to crossed cerebellar diaschisis in cerebral gliomas: a study combining perfusion, diffusion, and structural MR imaging. Neuroradiology. 2018 Jun;60(6):643-650. doi: 10.1007/s00234-018-2015-3. Epub 2018 Apr 17. PMID: 29666881.

86: Sengupta S, Sobo M, Lee K, Senthil Kumar S, White AR, Mender I, Fuller C, Chow LML, Fouladi M, Shay JW, Drissi R. Induced Telomere Damage to Treat Telomerase Expressing Therapy-Resistant Pediatric Brain Tumors. Mol Cancer Ther. 2018 Jul;17(7):1504-1514. doi: 10.1158/1535-7163.MCT-17-0792. Epub 2018 Apr 13. PMID: 29654065.

87: Ferracci FX, Duffau H. Improving surgical outcome for gliomas with intraoperative mapping. Expert Rev Neurother. 2018 Apr;18(4):333-341. doi: 10.1080/14737175.2018.1451329. Epub 2018 Mar 20. PMID: 29521555.

88: Broniscer A, Jia S, Mandrell B, Hamideh D, Huang J, Onar-Thomas A, Gajjar A, Raimondi SC, Tatevossian RG, Stewart CF. Phase 1 trial, pharmacokinetics, and pharmacodynamics of dasatinib combined with crizotinib in children with recurrent or progressive high-grade and diffuse intrinsic pontine glioma. Pediatr Blood Cancer. 2018 Jul;65(7):e27035. doi: 10.1002/pbc.27035. Epub 2018 Mar 7. PMID: 29512900; PMCID: PMC5980705.

89: Scutti JAB. Importance of immune monitoring approaches and the use of immune checkpoints for the treatment of diffuse intrinsic pontine glioma: From bench to clinic and vice versa (Review). Int J Oncol. 2018 Apr;52(4):1041-1056. doi: 10.3892/ijo.2018.4283. Epub 2018 Feb 23. PMID: 29484440; PMCID: PMC5843403.

90: Terashima K. Chemotherapy of Intracranial Gliomas in Children. Prog Neurol Surg. 2018;31:162-167. doi: 10.1159/000467377. Epub 2018 Jan 25. PMID: 29393184.

91: Funata N, Nobusawa S, Nakata S, Yamazaki T, Takabagake K, Koike T, Maegawa T, Yamada R, Shinoura N, Mine Y. A case report of adult cerebellar high-grade glioma with H3.1 K27M mutation: a rare example of an H3 K27M mutant cerebellar tumor. Brain Tumor Pathol. 2018 Jan;35(1):29-35. doi: 10.1007/s10014-017-0305-9. Epub 2017 Dec 20. PMID: 29264735.

92: Balogun JA, Rutka JT. Surgery of Intracranial Gliomas in Children. Prog Neurol Surg. 2018;30:204-217. doi: 10.1159/000464437. Epub 2017 Dec 14. PMID: 29241176.

93: Gwak HS, Park HJ. Developing chemotherapy for diffuse pontine intrinsic gliomas (DIPG). Crit Rev Oncol Hematol. 2017 Dec;120:111-119. doi: 10.1016/j.critrevonc.2017.10.013. Epub 2017 Oct 31. PMID: 29198324.

94: Meel MH, Schaper SA, Kaspers GJL, Hulleman E. Signaling pathways and mesenchymal transition

in pediatric high-grade glioma. Cell Mol Life Sci. 2018 Mar;75(5):871-887. doi: 10.1007/s00018-017-2714-7. Epub 2017 Nov 21. PMID: 29164272; PMCID: PMC5809527.

95: Zhang Y, Dong W, Zhu J, Wang L, Wu X, Shan H. Combination of EZH2 inhibitor and BET inhibitor for treatment of diffuse intrinsic pontine glioma. Cell Biosci. 2017 Oct 30;7:56. doi: 10.1186/s13578-017-0184-0. PMID: 29118968; PMCID: PMC5663148.

96: Pathania M, De Jay N, Maestro N, Harutyunyan AS, Nitarska J, Pahlavan P, Henderson S, Mikael LG, Richard-Londt A, Zhang Y, Costa JR, Hébert S, Khazaei S, Ibrahim NS, Herrero J, Riccio A, Albrecht S, Ketteler R, Brandner S, Kleinman CL, Jabado N, Salomoni P. H3.3^{K27M} Cooperates with Trp53 Loss and PDGFRA Gain in Mouse Embryonic Neural Progenitor Cells to Induce Invasive High- Grade Gliomas. Cancer Cell. 2017 Nov 13;32(5):684-700.e9. doi: 10.1016/j.ccell.2017.09.014. Epub 2017 Oct 26. PMID: 29107533; PMCID: PMC5687892.

97: Jeong HJ, Woo CG, Lee B, Khang SK, Nam SJ, Choi J. Protein Phosphatase Magnesium-Dependent 1δ (PPM1D) Expression as a Prognostic Marker in Adult Supratentorial Diffuse Astrocytic and Oligodendroglial Tumors. J Pathol Transl Med. 2018 Mar;52(2):71-78. doi: 10.4132/jptm.2017.10.21. Epub 2017 Oct 18. PMID: 29046514; PMCID: PMC5859240.

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

99: Venkatesh HS, Tam LT, Woo PJ, Lennon J, Nagaraja S, Gillespie SM, Ni J, Duveau DY, Morris PJ, Zhao JJ, Thomas CJ, Monje M. Targeting neuronal activity- regulated neuroligin-3 dependency in high-grade glioma. Nature. 2017 Sep 28;549(7673):533-537. doi: 10.1038/nature24014. Epub 2017 Sep 20. PMID: 28959975; PMCID: PMC5891832.

100: Plessier A, Le Dret L, Varlet P, Beccaria K, Lacombe J, Mériaux S, Geffroy F, Fiette L, Flamant P, Chrétien F, Blauwblomme T, Puget S, Grill J, Debily MA, Castel D. New in vivo avatars of diffuse intrinsic pontine gliomas (DIPG) from stereotactic biopsies performed at diagnosis. Oncotarget. 2017 Feb 2;8(32):52543-52559. doi: 10.18632/oncotarget.15002. PMID: 28881750; PMCID: PMC5581049.

101: Khalid MT, Allen JC Jr, King NKK, Rao JP, Tan ETW, See AAQ, Moorakonda R, Ng WH. Characterization of Pyramidal Tract Shift in High-Grade Glioma Resection. World Neurosurg. 2017 Nov;107:612-622. doi: 10.1016/j.wneu.2017.08.004. Epub 2017 Aug 18. PMID: 28823656.

102: Kostadinov S, de la Monte S. A Case of Congenital Brainstem Oligodendroglioma: Pathology Findings and Review of the Literature. Case Rep Neurol Med. 2017;2017:2465681. doi: 10.1155/2017/2465681. Epub 2017 Jul 26. PMID: 28815096; PMCID: PMC5549497.

103: Long W, Yi Y, Chen S, Cao Q, Zhao W, Liu Q. Potential New Therapies for Pediatric Diffuse Intrinsic Pontine Glioma. Front Pharmacol. 2017 Jul 25;8:495. doi: 10.3389/fphar.2017.00495. PMID:

28790919; PMCID: PMC5525007.

104: Li Z, Sun Q, Shi Y. Recent perspectives of molecular aberrations in pediatric high-grade glioma. Minerva Pediatr. 2020 Apr;72(2):116-122. doi: 10.23736/S0026-4946.17.04823-X. Epub 2017 Jun 22. PMID: 28643992.

105: Haque F, Varlet P, Puntonet J, Storer L, Bountali A, Rahman R, Grill J, Carcaboso AM, Jones C, Layfield R, Grundy RG. Evaluation of a novel antibody to define histone 3.3 G34R mutant brain tumours. Acta Neuropathol Commun. 2017 Jun 6;5(1):45. doi: 10.1186/s40478-017-0449-1. PMID: 28587626; PMCID: PMC5461722.

106: King AR, Corso CD, Chen EM, Song E, Bongiorni P, Chen Z, Sundaram RK, Bindra RS, Saltzman WM. Local DNA Repair Inhibition for Sustained Radiosensitization of High-Grade Gliomas. Mol Cancer Ther. 2017 Aug;16(8):1456-1469. doi: 10.1158/1535-7163.MCT-16-0788. Epub 2017 May 31. PMID: 28566437; PMCID: PMC5545124.

107: Macy ME, Kieran MW, Chi SN, Cohen KJ, MacDonald TJ, Smith AA, Etzl MM, Kuei MC, Donson AM, Gore L, DiRenzo J, Trippett TM, Ostrovnaya I, Narendran A, Foreman NK, Dunkel IJ. A pediatric trial of radiation/cetuximab followed by irinotecan/cetuximab in newly diagnosed diffuse pontine gliomas and high-grade astrocytomas: A Pediatric Oncology Experimental Therapeutics Investigators' Consortium study. Pediatr Blood Cancer. 2017 Nov;64(11):10.1002/pbc.26621. doi: 10.1002/pbc.26621. Epub 2017 May 24. PMID: 28544128; PMCID: PMC5605460.

108: Williams MJ, Singleton WG, Lowis SP, Malik K, Kurian KM. Therapeutic Targeting of Histone Modifications in Adult and Pediatric High-Grade Glioma. Front Oncol. 2017 Mar 28;7:45. doi: 10.3389/fonc.2017.00045. PMID: 28401060; PMCID: PMC5368219.

109: Cohen KJ, Jabado N, Grill J. Diffuse intrinsic pontine gliomas-current management and new biologic insights. Is there a glimmer of hope? Neuro Oncol. 2017 Aug 1;19(8):1025-1034. doi: 10.1093/neuonc/nox021. PMID: 28371920; PMCID: PMC5570259.

110: Anderson JL, Muraleedharan R, Oatman N, Klotter A, Sengupta S, Waclaw RR, Wu J, Drissi R, Miles L, Raabe EH, Weirauch ML, Fouladi M, Chow LM, Hoffman L, DeWire M, Dasgupta B. The transcription factor Olig2 is important for the biology of diffuse intrinsic pontine gliomas. Neuro Oncol. 2017 Aug 1;19(8):1068-1078. doi: 10.1093/neuonc/now299. PMID: 28339768; PMCID: PMC5570182.

111: Sewing ACP, Lagerweij T, van Vuurden DG, Meel MH, Veringa SJE, Carcaboso AM, Gaillard PJ, Peter Vandertop W, Wesseling P, Noske D, Kaspers GJL, Hulleman E. Preclinical evaluation of convection-enhanced delivery of liposomal doxorubicin to treat pediatric diffuse intrinsic pontine glioma and thalamic high-grade glioma. J Neurosurg Pediatr. 2017 May;19(5):518-530. doi: 10.3171/2016.9.PEDS16152. Epub 2017 Feb 17. PMID: 28291423.

112: Vanan MI, Underhill DA, Eisenstat DD. Targeting Epigenetic Pathways in the Treatment of Pediatric Diffuse (High Grade) Gliomas. Neurotherapeutics. 2017 Apr;14(2):274-283. doi: 10.1007/s13311-017-0514-2. PMID: 28233220; PMCID: PMC5398987.

113: Yordanova YN, Duffau H. Supratotal resection of diffuse gliomas - an overview of its multifaceted implications. Neurochirurgie. 2017 Jun;63(3):243-249. doi: 10.1016/j.neuchi.2016.09.006. Epub 2017 Feb 7. PMID: 28185647.

114: Janssens GO, Gandola L, Bolle S, Mandeville H, Ramos-Albiac M, van Beek K, Benghiat H, Hoeben B, Morales La Madrid A, Kortmann RD, Hargrave D, Menten J, Pecori E, Biassoni V, von Bueren AO, van Vuurden DG, Massimino M, Sturm D, Peters M, Kramm CM. Survival benefit for patients with diffuse

intrinsic pontine glioma (DIPG) undergoing re-irradiation at first progression: A matched-cohort analysis on behalf of the SIOP-E-HGG/DIPG working group. Eur J Cancer. 2017 Mar;73:38-47. doi: 10.1016/j.ejca.2016.12.007. Epub 2017 Feb 3. PMID: 28161497.

115: Hennika T, Hu G, Olaciregui NG, Barton KL, Ehteda A, Chitranjan A, Chang C, Gifford AJ, Tsoli M, Ziegler DS, Carcaboso AM, Becher OJ. Pre-Clinical Study of Panobinostat in Xenograft and Genetically Engineered Murine Diffuse Intrinsic Pontine Glioma Models. PLoS One. 2017 Jan 4;12(1):e0169485. doi: 10.1371/journal.pone.0169485. PMID: 28052119; PMCID: PMC5215670.

116: Hang JF, Hsu CY, Lin SC, Wu CC, Lee HJ, Ho DM. Thyroid transcription factor-1 distinguishes subependymal giant cell astrocytoma from its mimics and supports its cell origin from the progenitor cells in the medial ganglionic eminence. Mod Pathol. 2017 Mar;30(3):318-328. doi: 10.1038/modpathol.2016.205. Epub 2016 Dec 2. PMID: 27910945.

117: Behling K, Maguire WF, Di Gialleonardo V, Heeb LE, Hassan IF, Veach DR, Keshari KR, Gutin PH, Scheinberg DA, McDevitt MR. Remodeling the Vascular Microenvironment of Glioblastoma with α-Particles. J Nucl Med. 2016 Nov;57(11):1771-1777. doi: 10.2967/jnumed.116.173559. Epub 2016 Jun 3. PMID: 27261519; PMCID: PMC5093034.

118: Löbel U, Hwang S, Edwards A, Li Y, Li X, Broniscer A, Patay Z. Discrepant longitudinal volumetric and metabolic evolution of diffuse intrinsic Pontine gliomas during treatment: implications for current response assessment strategies. Neuroradiology. 2016 Oct;58(10):1027-1034. doi: 10.1007/s00234-016-1724-8. Epub 2016 Jul 20. PMID: 27438806; PMCID: PMC5071138.

119: Zhou Z, Singh R, Souweidane MM. Convection-Enhanced Delivery for Diffuse Intrinsic Pontine Glioma Treatment. Curr Neuropharmacol. 2017;15(1):116-128. doi: 10.2174/1570159×14666160614093615. PMID: 27306036; PMCID: PMC5327456.

120: Carceller F, Fowkes LA, Khabra K, Moreno L, Saran F, Burford A, Mackay A, Jones DT, Hovestadt V, Marshall LV, Vaidya S, Mandeville H, Jerome N, Bridges LR, Laxton R, Al-Sarraj S, Pfister SM, Leach MO, Pearson AD, Jones C, Koh DM, Zacharoulis S. Pseudoprogression in children, adolescents and young adults with non-brainstem high grade glioma and diffuse intrinsic pontine glioma. J Neurooncol. 2016 Aug;129(1):109-21. doi: 10.1007/s11060-016-2151-8. Epub 2016 May 14. PMID: 27180091.

121: Guisado DI, Singh R, Minkowitz S, Zhou Z, Haque S, Peck KK, Young RJ, Tsiouris AJ, Souweidane MM, Thakur SB. A Novel Methodology for Applying Multivoxel MR Spectroscopy to Evaluate Convection-Enhanced Drug Delivery in Diffuse Intrinsic Pontine Gliomas. AJNR Am J Neuroradiol. 2016 Jul;37(7):1367-73. doi: 10.3174/ajnr.A4713. Epub 2016 Mar 3. PMID: 26939629; PMCID: PMC4947015.

122: Fernández F, Deviers A, Dally C, Mogicato G, Delverdier M, Cauzinille L, Gnirs K, Añor S, de la Fuente C, Fondevila D, Pumarola M. Presence of neural progenitors in spontaneous canine gliomas: A histopathological and immunohistochemical study of 20 cases. Vet J. 2016 Mar;209:125-32. doi: 10.1016/j.tvjl.2015.10.039. Epub 2015 Nov 10. PMID: 26831167.

123: Misuraca KL, Hu G, Barton KL, Chung A, Becher OJ. A Novel Mouse Model of Diffuse Intrinsic Pontine Glioma Initiated in Pax3-Expressing Cells. Neoplasia. 2016 Jan;18(1):60-70. doi: 10.1016/j.neo.2015.12.002. PMID: 26806352; PMCID: PMC4735629.

124: Hoffman LM, DeWire M, Ryall S, Buczkowicz P, Leach J, Miles L, Ramani A, Brudno M, Kumar SS, Drissi R, Dexheimer P, Salloum R, Chow L, Hummel T, Stevenson C, Lu QR, Jones B, Witte D, Aronow B, Hawkins CE, Fouladi M. Spatial genomic heterogeneity in diffuse intrinsic pontine and midline high-

grade glioma: implications for diagnostic biopsy and targeted therapeutics. Acta Neuropathol Commun. 2016 Jan 4;4:1. doi: 10.1186/s40478-015-0269-0. Erratum in: Acta Neuropathol Commun. 2016;4:13. PMID: 26727948; PMCID: PMC4700584.

125: Hummel TR, Salloum R, Drissi R, Kumar S, Sobo M, Goldman S, Pai A, Leach J, Lane A, Pruitt D, Sutton M, Chow LM, Grimme L, Doughman R, Backus L, Miles L, Stevenson C, Fouladi M, DeWire M. A pilot study of bevacizumab-based therapy in patients with newly diagnosed high-grade gliomas and diffuse intrinsic pontine gliomas. J Neurooncol. 2016 Mar;127(1):53-61. doi: 10.1007/s11060-015-2008-6. Epub 2015 Dec 1. PMID: 26626490.

126: Vanan MI, Eisenstat DD. DIPG in Children - What Can We Learn from the Past? Front Oncol. 2015 Oct 21;5:237. doi: 10.3389/fonc.2015.00237. PMID: 26557503; PMCID: PMC4617108.

127: Laprie A, Hu Y, Alapetite C, Carrie C, Habrand JL, Bolle S, Bondiau PY, Ducassou A, Huchet A, Bertozzi AI, Perel Y, Moyal É, Balosso J; radiotherapy committee of SFCE and France Hadron. Paediatric brain tumours: A review of radiotherapy, state of the art and challenges for the future regarding protontherapy and carbontherapy. Cancer Radiother. 2015 Dec;19(8):775-89. doi: 10.1016/j.canrad.2015.05.028. Epub 2015 Nov 6. PMID: 26548600.

128: Klimo P Jr, Nesvick CL, Broniscer A, Orr BA, Choudhri AF. Malignant brainstem tumors in children, excluding diffuse intrinsic pontine gliomas. J Neurosurg Pediatr. 2016 Jan;17(1):57-65. doi: 10.3171/2015.6.PEDS15166. Epub 2015 Oct 16. PMID: 26474099.

129: Park JY, Suh TS, Lee JW, Ahn KJ, Park HJ, Choe BY, Hong S. Dosimetric Effects of Magnetic Resonance Imaging-assisted Radiotherapy Planning: Dose Optimization for Target Volumes at High Risk and Analytic Radiobiological Dose Evaluation. J Korean Med Sci. 2015 Oct;30(10):1522-30. doi: 10.3346/jkms.2015.30.10.1522. Epub 2015 Sep 12. PMID: 26425053; PMCID: PMC4575945.

130: Zhang R, Han J, Daniels D, Huang H, Zhang Z. Detecting the H3F3A mutant allele found in high-grade pediatric glioma by real-time PCR. J Neurooncol. 2016 Jan;126(1):27-36. doi: 10.1007/s11060-015-1936-5. Epub 2015 Sep 16. PMID: 26376656; PMCID: PMC4859308.

131: Chornenkyy Y, Agnihotri S, Yu M, Buczkowicz P, Rakopoulos P, Golbourn B, Garzia L, Siddaway R, Leung S, Rutka JT, Taylor MD, Dirks PB, Hawkins C. Poly- ADP-Ribose Polymerase as a Therapeutic Target in Pediatric Diffuse Intrinsic Pontine Glioma and Pediatric High-Grade Astrocytoma. Mol Cancer Ther. 2015 Nov;14(11):2560-8. doi: 10.1158/1535-7163.MCT-15-0282. Epub 2015 Sep 8. PMID: 26351319.

132: Panditharatna E, Yaeger K, Kilburn LB, Packer RJ, Nazarian J. Clinicopathology of diffuse intrinsic pontine glioma and its redefined genomic and epigenomic landscape. Cancer Genet. 2015 Jul-Aug;208(7-8):367-73. doi: 10.1016/j.cancergen.2015.04.008. Epub 2015 May 1. PMID: 26206682.

133: Kallappagoudar S, Yadav RK, Lowe BR, Partridge JF. Histone H3 mutations–a special role for H3.3 in tumorigenesis? Chromosoma. 2015 Jun;124(2):177-89. doi: 10.1007/s00412-015-0510-4. Epub 2015 Mar 14. PMID: 25773741; PMCID: PMC4446520.

134: Zhou Z, Ho SL, Singh R, Pisapia DJ, Souweidane MM. Toxicity evaluation of convection-enhanced delivery of small-molecule kinase inhibitors in naïve mouse brainstem. Childs Nerv Syst. 2015 Apr;31(4):557-62. doi: 10.1007/s00381-015-2640-7. Epub 2015 Feb 25. PMID: 25712742.

135: Green AL, Kieran MW. Pediatric brainstem gliomas: new understanding leads to potential new treatments for two very different tumors. Curr Oncol Rep. 2015 Mar;17(3):436. doi: 10.1007/s11912-014-0436-7. PMID: 25702179.

136: Kahlert UD, Suwala AK, Raabe EH, Siebzehnrubl FA, Suarez MJ, Orr BA, Bar EE, Maciaczyk J, Eberhart CG. ZEB1 Promotes Invasion in Human Fetal Neural Stem Cells and Hypoxic Glioma Neurospheres. Brain Pathol. 2015 Nov;25(6):724-32. doi: 10.1111/bpa.12240. Epub 2015 Feb 8. PMID: 25521330; PMCID: PMC4470885.

137: Veldhuijzen van Zanten SE, Jansen MH, Sanchez Aliaga E, van Vuurden DG, Vandertop WP, Kaspers GJ. A twenty-year review of diagnosing and treating children with diffuse intrinsic pontine glioma in The Netherlands. Expert Rev Anticancer Ther. 2015 Feb;15(2):157-64. doi: 10.1586/14737140.2015.974563. Epub 2014 Nov 29. PMID: 25435089.

138: Misuraca KL, Barton KL, Chung A, Diaz AK, Conway SJ, Corcoran DL, Baker SJ, Becher OJ. Pax3 expression enhances PDGF-B-induced brainstem gliomagenesis and characterizes a subset of brainstem glioma. Acta Neuropathol Commun. 2014 Oct 21;2:134. doi: 10.1186/s40478-014-0134-6. PMID: 25330836; PMCID: PMC4210596.

139: Goda JS, Dutta D, Raut N, Juvekar SL, Purandare N, Rangarajan V, Arora B, Gupta T, Kurkure P, Jalali R. Can multiparametric MRI and FDG-PET predict outcome in diffuse brainstem glioma? A report from a prospective phase-II study. Pediatr Neurosurg. 2013;49(5):274-81. doi: 10.1159/000366167. Epub 2014 Sep 25. PMID: 25277867.

140: Tietze A, Boldsen JK, Mouridsen K, Ribe L, Dyve S, Cortnum S, Østergaard L, Borghammer P. Spatial distribution of malignant tissue in gliomas: correlations of 11C-L-methionine positron emission tomography and perfusion- and diffusion- weighted magnetic resonance imaging. Acta Radiol. 2015 Sep;56(9):1135-44. doi: 10.1177/0284185114550020. Epub 2014 Sep 30. PMID: 25270372.

141: Jones C, Baker SJ. Unique genetic and epigenetic mechanisms driving paediatric diffuse high-grade glioma. Nat Rev Cancer. 2014 Oct;14(10):10.1038/nrc3811. doi: 10.1038/nrc3811. PMID: 25230881; PMCID: PMC4747023.

142: Diaz AK, Baker SJ. The genetic signatures of pediatric high-grade glioma: no longer a one-act play. Semin Radiat Oncol. 2014 Oct;24(4):240-7. doi: 10.1016/j.semradonc.2014.06.003. PMID: 25219808; PMCID: PMC4170681.

143: Nobusawa S, Hirato J, Yokoo H. Molecular genetics of ependymomas and pediatric diffuse gliomas: a short review. Brain Tumor Pathol. 2014 Oct;31(4):229-33. doi: 10.1007/s10014-014-0200-6. Epub 2014 Sep 3. PMID: 25182241.

144: Duffau H, Taillandier L. New concepts in the management of diffuse low- grade glioma: Proposal of a multistage and individualized therapeutic approach. Neuro Oncol. 2015 Mar;17(3):332-42. doi: 10.1093/neuonc/nou153. Epub 2014 Aug 2. PMID: 25087230; PMCID: PMC4483091.

145: Buczkowicz P, Bartels U, Bouffet E, Becher O, Hawkins C. Histopathological spectrum of paediatric diffuse intrinsic pontine glioma: diagnostic and therapeutic implications. Acta Neuropathol. 2014 Oct;128(4):573-81. doi: 10.1007/s00401-014-1319-6. Epub 2014 Jul 22. PMID: 25047029; PMCID: PMC4159563.

146: Patay Z, Parra C, Hawk H, George A, Li Y, Scoggins M, Broniscer A, Ogg RJ. Quantitative longitudinal evaluation of diaschisis-related cerebellar perfusion and diffusion parameters in patients with supratentorial hemispheric high-grade gliomas after surgery. Cerebellum. 2014 Oct;13(5):580-7. doi: 10.1007/s12311-014-0575-2. PMID: 24917518.

147: Pollack IF, Jakacki RI, Butterfield LH, Hamilton RL, Panigrahy A, Potter DM, Connelly AK, Dibridge

SA, Whiteside TL, Okada H. Antigen-specific immune responses and clinical outcome after vaccination with glioma-associated antigen peptides and polyinosinic-polycytidylic acid stabilized by lysine and carboxymethylcellulose in children with newly diagnosed malignant brainstem and nonbrainstem gliomas. J Clin Oncol. 2014 Jul 1;32(19):2050-8. doi: 10.1200/JCO.2013.54.0526. Epub 2014 Jun 2. PMID: 24888813; PMCID: PMC4067943.

148: Hundsberger T, Tonder M, Hottinger A, Brügge D, Roelcke U, Putora PM, Stupp R, Weller M. Clinical management and outcome of histologically verified adult brainstem gliomas in Switzerland: a retrospective analysis of 21 patients. J Neurooncol. 2014 Jun;118(2):321-328. doi: 10.1007/s11060-014-1434-1. Epub 2014 Apr 16. PMID: 24736829.

149: Wu G, Diaz AK, Paugh BS, Rankin SL, Ju B, Li Y, Zhu X, Qu C, Chen X, Zhang J, Easton J, Edmonson M, Ma X, Lu C, Nagahawatte P, Hedlund E, Rusch M, Pounds S, Lin T, Onar-Thomas A, Huether R, Kriwacki R, Parker M, Gupta P, Becksfort J, Wei L, Mulder HL, Boggs K, Vadodaria B, Yergeau D, Russell JC, Ochoa K, Fulton RS, Fulton LL, Jones C, Boop FA, Broniscer A, Wetmore C, Gajjar A, Ding L, Mardis ER, Wilson RK, Taylor MR, Downing JR, Ellison DW, Zhang J, Baker SJ. The genomic landscape of diffuse intrinsic pontine glioma and pediatric non- brainstem high-grade glioma. Nat Genet. 2014 May;46(5):444-450. doi: 10.1038/ng.2938. Epub 2014 Apr 6. PMID: 24705251; PMCID: PMC4056452.

150: Müller K, Schlamann A, Guckenberger M, Warmuth-Metz M, Glück A, Pietschmann S, Wawer A, Kortmann RD, Kramm C, von Bueren AO. Craniospinal irradiation with concurrent temozolomide for primary metastatic pediatric high-grade or diffuse intrinsic pontine gliomas. A first report from the GPOH-HIT-HGG Study Group. Strahlenther Onkol. 2014 Apr;190(4):377-81. doi: 10.1007/s00066-013-0513-0. Epub 2014 Feb 19. PMID: 24638239.

151: Sun Y, Zhang W, Chen D, Lv Y, Zheng J, Lilljebjörn H, Ran L, Bao Z, Soneson C, Sjögren HO, Salford LG, Ji J, French PJ, Fioretos T, Jiang T, Fan X. A glioma classification scheme based on coexpression modules of EGFR and PDGFRA. Proc Natl Acad Sci U S A. 2014 Mar 4;111(9):3538-43. doi: 10.1073/pnas.1313814111. Epub 2014 Feb 18. PMID: 24550449; PMCID: PMC3948229.

152: Lober RM, Cho YJ, Tang Y, Barnes PD, Edwards MS, Vogel H, Fisher PG, Monje M, Yeom KW. Diffusion-weighted MRI derived apparent diffusion coefficient identifies prognostically distinct subgroups of pediatric diffuse intrinsic pontine glioma. J Neurooncol. 2014 Mar;117(1):175-82. doi: 10.1007/s11060-014-1375-8. Epub 2014 Feb 13. PMID: 24522717.

153: Peschillo S, Miscusi M, Missori P. Endovascular superselective treatment of brain tumors: a new endovascular era? A quick review. J Neurointerv Surg. 2015 Mar;7(3):222-4. doi: 10.1136/neurintsurg-2013-011095. Epub 2014 Feb 7. PMID: 24510377.

154: Dorris K, Sobo M, Onar-Thomas A, Panditharatna E, Stevenson CB, Gardner SL, Dewire MD, Pierson CR, Olshefski R, Rempel SA, Goldman S, Miles L, Fouladi M, Drissi R. Prognostic significance of telomere maintenance mechanisms in pediatric high-grade gliomas. J Neurooncol. 2014 Mar;117(1):67-76. doi: 10.1007/s11060-014-1374-9. Epub 2014 Jan 30. Erratum in: J Neurooncol. 2014 Aug;119(1):223-4. PMID: 24477622; PMCID: PMC4261223.

155: Mueller S, Hashizume R, Yang X, Kolkowitz I, Olow AK, Phillips J, Smirnov I, Tom MW, Prados MD, James CD, Berger MS, Gupta N, Haas-Kogan DA. Targeting Wee1 for the treatment of pediatric high-grade gliomas. Neuro Oncol. 2014 Mar;16(3):352-60. doi: 10.1093/neuonc/not220. Epub 2013 Dec 4. PMID: 24305702; PMCID: PMC3922515.

156: Reyes-Botero G, Giry M, Mokhtari K, Labussière M, Idbaih A, Delattre JY, Laigle-Donadey F, Sanson M. Molecular analysis of diffuse intrinsic brainstem gliomas in adults. J Neurooncol. 2014

Jan;116(2):405-11. doi: 10.1007/s11060-013-1312-2. Epub 2013 Nov 17. PMID: 24242757.

157: Schroeder KM, Hoeman CM, Becher OJ. Children are not just little adults: recent advances in understanding of diffuse intrinsic pontine glioma biology. Pediatr Res. 2014 Jan;75(1-2):205-9. doi: 10.1038/pr.2013.194. Epub 2013 Nov 5. PMID: 24192697.

158: Macas J, Ku MC, Nern C, Xu Y, Bühler H, Remke M, Synowitz M, Franz K, Seifert V, Plate KH, Kettenmann H, Glass R, Momma S. Generation of neuronal progenitor cells in response to tumors in the human brain. Stem Cells. 2014 Jan;32(1):244-57. doi: 10.1002/stem.1581. PMID: 24170295.

159: Ballester LY, Wang Z, Shandilya S, Miettinen M, Burger PC, Eberhart CG, Rodriguez FJ, Raabe E, Nazarian J, Warren K, Quezado MM. Morphologic characteristics and immunohistochemical profile of diffuse intrinsic pontine gliomas. Am J Surg Pathol. 2013 Sep;37(9):1357-64. doi: 10.1097/PAS.0b013e318294e817. PMID: 24076776; PMCID: PMC3787318.

160: Martin V, Moyal É, Delannes M, Padovani L, Sunyach MP, Feuvret L, Dhermain F, Noël G, Laprie A. Radiothérapie des tumeurs cérébrales : quelles marges ? [Radiotherapy for brain tumors: which margins should we apply?]. Cancer Radiother. 2013 Oct;17(5-6):434-43. French. doi: 10.1016/j.canrad.2013.07.136. Epub 2013 Sep 5. PMID: 24011792.

161: Paugh BS, Zhu X, Qu C, Endersby R, Diaz AK, Zhang J, Bax DA, Carvalho D, Reis RM, Onar-Thomas A, Broniscer A, Wetmore C, Zhang J, Jones C, Ellison DW, Baker SJ. Novel oncogenic PDGFRA mutations in pediatric high-grade gliomas. Cancer Res. 2013 Oct 15;73(20):6219-29. doi: 10.1158/0008-5472.CAN-13-1491. Epub 2013 Aug 22. PMID: 23970477; PMCID: PMC3800209.

162: Garzón M, García-Fructuoso G, Guillén A, Suñol M, Mora J, Cruz O. Brain stem tumors in children and adolescents: single institutional experience. Childs Nerv Syst. 2013 Aug;29(8):1321-31. doi: 10.1007/s00381-013-2137-1. Epub 2013 May 12. PMID: 23666431.

163: Cage TA, Samagh SP, Mueller S, Nicolaides T, Haas-Kogan D, Prados M, Banerjee A, Auguste KI, Gupta N. Feasibility, safety, and indications for surgical biopsy of intrinsic brainstem tumors in children. Childs Nerv Syst. 2013 Aug;29(8):1313-9. doi: 10.1007/s00381-013-2101-0. Epub 2013 May 11. PMID: 23666401.

164: Veringa SJ, Biesmans D, van Vuurden DG, Jansen MH, Wedekind LE, Horsman I, Wesseling P, Vandertop WP, Noske DP, Kaspers GJ, Hulleman E. In vitro drug response and efflux transporters associated with drug resistance in pediatric high grade glioma and diffuse intrinsic pontine glioma. PLoS One. 2013 Apr 29;8(4):e61512. doi: 10.1371/journal.pone.0061512. PMID: 23637844; PMCID: PMC3639279.

165: Yin L, Zhang L. Correlation between MRI findings and histological diagnosis of brainstem glioma. Can J Neurol Sci. 2013 May;40(3):348-54. doi: 10.1017/s0317167100014293. PMID: 23603170.

166: Walker DA, Liu J, Kieran M, Jabado N, Picton S, Packer R, St Rose C; CPN Paris 2011 Conference Consensus Group. A multi-disciplinary consensus statement concerning surgical approaches to low-grade, high-grade astrocytomas and diffuse intrinsic pontine gliomas in childhood (CPN Paris 2011) using the Delphi method. Neuro Oncol. 2013 Apr;15(4):462-8. doi: 10.1093/neuonc/nos330. Epub 2013 Mar 15. PMID: 23502427; PMCID: PMC3607269.

167: Minturn JE, Fisher MJ. Gliomas in children. Curr Treat Options Neurol. 2013 Jun;15(3):316-27. doi: 10.1007/s11940-013-0225-x. PMID: 23440592.

168: Kickingereder P, Willeit P, Simon T, Ruge MI. Diagnostic value and safety of stereotactic biopsy for brainstem tumors: a systematic review and meta- analysis of 1480 cases. Neurosurgery. 2013 Jun;72(6):873-81; discussion 882; quiz 882. doi: 10.1227/NEU.0b013e31828bf445. PMID: 23426149.

169: Chappé C, Riffaud L, Tréguier C, Carsin-Nicol B, Veillard D, Chiforeanu DC, Grill J, Frappaz D, André N, Millot F, Vinchon M, Sirvent N, Edan C. Primary gliomatosis cerebri involving gray matter in pediatrics: a distinct entity? A multicenter study of 14 cases. Childs Nerv Syst. 2013 Apr;29(4):565-71. doi: 10.1007/s00381-012-2016-1. Epub 2013 Jan 10. PMID: 23306961.

170: Warren KE. Diffuse intrinsic pontine glioma: poised for progress. Front Oncol. 2012 Dec 28;2:205. doi: 10.3389/fonc.2012.00205. PMID: 23293772; PMCID: PMC3531714.

171: Zhou Z, Luther N, Ibrahim GM, Hawkins C, Vibhakar R, Handler MH, Souweidane MM. B7-H3, a potential therapeutic target, is expressed in diffuse intrinsic pontine glioma. J Neurooncol. 2013 Feb;111(3):257-64. doi: 10.1007/s11060-012-1021-2. Epub 2012 Dec 12. PMID: 23232807; PMCID: PMC4700828.

172: Rasalkar DD, Chu WC, Paunipagar BK, Cheng FW, Li CK. Paediatric intra-axial posterior fossa tumours: pictorial review. Postgrad Med J. 2013 Jan;89(1047):39-46. doi: 10.1136/postgradmedj-2011-130075. Epub 2012 Sep 12. PMID: 22977284.

173: Buczkowicz P, Zarghooni M, Bartels U, Morrison A, Misuraca KL, Chan T, Bouffet E, Huang A, Becher O, Hawkins C. Aurora kinase B is a potential therapeutic target in pediatric diffuse intrinsic pontine glioma. Brain Pathol. 2013 May;23(3):244-53. doi: 10.1111/j.1750-3639.2012.00633.x. Epub 2012 Oct 11. PMID: 22971244; PMCID: PMC8029082.

174: Dellaretti M, Reyns N, Touzet G, Dubois F, Gusmão S, Pereira JL, Blond S. Diffuse brainstem glioma: prognostic factors. J Neurosurg. 2012 Nov;117(5):810-4. doi: 10.3171/2012.7.JNS111992. Epub 2012 Aug 31. PMID: 22937929.

175: Al-Hussaini M, Al-Jumaily U, Swaidan M, Musharbash A, Hashem S. Brain stem gliomas: a clinicopathological study from a single cancer center. Brain Tumor Pathol. 2013 Apr;30(2):84-92. doi: 10.1007/s10014-012-0110-4. Epub 2012 Jul 1. PMID: 22752621.

176: Sufit A, Donson AM, Birks DK, Knipstein JA, Fenton LZ, Jedlicka P, Hankinson TC, Handler MH, Foreman NK. Diffuse intrinsic pontine tumors: a study of primitive neuroectodermal tumors versus the more common diffuse intrinsic pontine gliomas. J Neurosurg Pediatr. 2012 Aug;10(2):81-8. doi: 10.3171/2012.3.PEDS11316. Epub 2012 Jun 29. PMID: 22747092; PMCID: PMC4690743.

177: Dellaretti M, Touzet G, Reyns N, Dubois F, Gusmão S, Pereira JL, Blond S. Correlation among magnetic resonance imaging findings, prognostic factors for survival, and histological diagnosis of intrinsic brainstem lesions in children. J Neurosurg Pediatr. 2011 Dec;8(6):539-43. doi: 10.3171/2011.9.PEDS1167. PMID: 22132909.

178: Sridhar K, Sridhar R, Venkatprasanna G. Management of posterior fossa gliomas in children. J Pediatr Neurosci. 2011 Oct;6(Suppl 1):S72-7. doi: 10.4103/1817-1745.85714. PMID: 22069433; PMCID: PMC3208911.

179: Paugh BS, Broniscer A, Qu C, Miller CP, Zhang J, Tatevossian RG, Olson JM, Geyer JR, Chi SN, da Silva NS, Onar-Thomas A, Baker JN, Gajjar A, Ellison DW, Baker SJ. Genome-wide analyses identify recurrent amplifications of receptor tyrosine kinases and cell-cycle regulatory genes in diffuse intrinsic pontine glioma. J Clin Oncol. 2011 Oct 20;29(30):3999-4006. doi: 10.1200/JCO.2011.35.5677. Epub 2011 Sep 19. PMID: 21931021; PMCID: PMC3209696.

180: Munck Af Rosenschöld P, Engelholm S, Ohlhues L, Law I, Vogelius I, Engelholm SA. Photon and proton therapy planning comparison for malignant glioma based on CT, FDG-PET, DTI-MRI and fiber tracking. Acta Oncol. 2011 Aug;50(6):777-83. doi: 10.3109/0284186X.2011.584555. PMID: 21767174.

181: Felix FH, Trompieri NM, de Araujo OL, da Trindade KM, Fontenele JB. Potential role for valproate in the treatment of high–risk brain tumors of childhood-results from a retrospective observational cohort study. Pediatr Hematol Oncol. 2011 Oct;28(7):556-70. doi: 10.3109/08880018.2011.563774. Epub 2011 Jun 24. PMID: 21699466.

182: Hua C, Merchant TE, Gajjar A, Broniscer A, Zhang Y, Li Y, Glenn GR, Kun LE, Ogg RJ. Brain tumor therapy-induced changes in normal-appearing brainstem measured with longitudinal diffusion tensor imaging. Int J Radiat Oncol Biol Phys. 2012 Apr 1;82(5):2047-54. doi: 10.1016/j.ijrobp.2011.03.057. Epub 2011 Jun 12. PMID: 21664060; PMCID: PMC3181276.

183: Massimino M, Bode U, Biassoni V, Fleischhack G. Nimotuzumab for pediatric diffuse intrinsic pontine gliomas. Expert Opin Biol Ther. 2011 Feb;11(2):247-56. doi: 10.1517/14712598.2011.546341. Epub 2010 Dec 21. PMID: 21171927.

184: Brehar FM, Ciurea AV, Zarnescu O, Bleotu C, Gorgan RM, Dragu D, Matei L. Infiltrating growing pattern xenografts induced by glioblastoma and anaplastic astrocytoma derived tumor stem cells. Chirurgia (Bucur). 2010 Sep- Oct;105(5):685-94. PMID: 21141095.

185: Barrow J, Adamowicz-Brice M, Cartmill M, MacArthur D, Lowe J, Robson K, Brundler MA, Walker DA, Coyle B, Grundy R. Homozygous loss of ADAM3A revealed by genome-wide analysis of pediatric high-grade glioma and diffuse intrinsic pontine gliomas. Neuro Oncol. 2011 Feb;13(2):212-22. doi: 10.1093/neuonc/noq158. Epub 2010 Dec 7. PMID: 21138945; PMCID: PMC3064619.

186: Rajshekhar V, Moorthy RK. Status of stereotactic biopsy in children with brain stem masses: insights from a series of 106 patients. Stereotact Funct Neurosurg. 2010;88(6):360-6. doi: 10.1159/000319044. Epub 2010 Sep 22. PMID: 20861659.

187: Erreni M, Solinas G, Brescia P, Osti D, Zunino F, Colombo P, Destro A, Roncalli M, Mantovani A, Draghi R, Levi D, Rodriguez Y Baena R, Gaetani P, Pelicci G, Allavena P. Human glioblastoma tumours and neural cancer stem cells express the chemokine CX3CL1 and its receptor CX3CR1. Eur J Cancer. 2010 Dec;46(18):3383-92. doi: 10.1016/j.ejca.2010.07.022. Epub 2010 Aug 19. PMID: 20728344.

188: Junes-Gill KS, Gallaher TK, Gluzman-Poltorak Z, Miller JD, Wheeler CJ, Fan X, Basile LA. hHSS1: a novel secreted factor and suppressor of glioma growth located at chromosome 19q13.33. J Neurooncol. 2011 Apr;102(2):197-211. doi: 10.1007/s11060-010-0314-6. Epub 2010 Jul 31. PMID: 20680400; PMCID: PMC3052511.

189: Wolff JE, Mohiuddin K, Jorch N, Graf N, Wagner S, Vats T, Gnekow A. Measuring performance status in pediatric patients with brain tumors–experience of the HIT-GBM-C protocol. Pediatr Blood Cancer. 2010 Sep;55(3):520-4. doi: 10.1002/pbc.22566. PMID: 20658624.

190: Siu IM, Tyler BM, Chen JX, Eberhart CG, Thomale UW, Olivi A, Jallo GI, Riggins GJ, Gallia GL. Establishment of a human glioblastoma stemlike brainstem rodent tumor model. J Neurosurg Pediatr. 2010 Jul;6(1):92-7. doi: 10.3171/2010.3.PEDS09366. PMID: 20593994.

191: Zarghooni M, Bartels U, Lee E, Buczkowicz P, Morrison A, Huang A, Bouffet E, Hawkins C. Whole-genome profiling of pediatric diffuse intrinsic pontine gliomas highlights platelet-derived growth factor receptor alpha and poly (ADP- ribose) polymerase as potential therapeutic targets. J Clin Oncol. 2010

Mar 10;28(8):1337-44. doi: 10.1200/JCO.2009.25.5463. Epub 2010 Feb 8. PMID: 20142589.

192: Blamek S, Larysz D, Ficek K, Sokół M, Miszczyk L, Tarnawski R. MR spectroscopic evaluation of brain tissue damage after treatment for pediatric brain tumors. Acta Neurochir Suppl. 2010;106:183-6. doi: 10.1007/978-3-211-98811-4_33. PMID: 19812945.

193: Lam C, Bouffet E, Bartels U. Nimotuzumab in pediatric glioma. Future Oncol. 2009 Nov;5(9):1349-61. doi: 10.2217/fon.09.119. PMID: 19903064.

194: Pérez-Gómez JL, Rodríguez-Alvarez CA, Marhx-Bracho A, Rueda-Franco F. Stereotactic biopsy for brainstem tumors in pediatric patients. Childs Nerv Syst. 2010 Jan;26(1):29-34. doi: 10.1007/s00381-009-1000-x. Epub 2009 Sep 26. PMID: 19784659.

195: Mercapide J, Rappa G, Anzanello F, King J, Fodstad O, Lorico A. Primary gene-engineered neural stem/progenitor cells demonstrate tumor-selective migration and antitumor effects in glioma. Int J Cancer. 2010 Mar 1;126(5):1206-15. doi: 10.1002/ijc.24809. PMID: 19653275.

196: Jalali R, Raut N, Arora B, Gupta T, Dutta D, Munshi A, Sarin R, Kurkure P. Prospective evaluation of radiotherapy with concurrent and adjuvant temozolomide in children with newly diagnosed diffuse intrinsic pontine glioma. Int J Radiat Oncol Biol Phys. 2010 May 1;77(1):113-8. doi: 10.1016/j.ijrobp.2009.04.031. Epub 2009 Aug 3. PMID: 19647954.

197: Fangusaro J. Pediatric high-grade gliomas and diffuse intrinsic pontine gliomas. J Child Neurol. 2009 Nov;24(11):1409-17. doi: 10.1177/0883073809338960. Epub 2009 Jul 28. PMID: 19638636.

198: Saurez G, Cabanas R, Zaldívar M, Garnier T, Iglesias B, Piedra P, Castillo MR, Longchong M, Iznaga N, Lage A. Clinical experience with nimotuzumab in cuban pediatric patients with brain tumors, 2005 to 2007. MEDICC Rev. 2009 Jul;11(3):27-33. doi: 10.37757/MR2009V11.N3.7. PMID: 21483304.

199: Lamfers M, Idema S, van Milligen F, Schouten T, van der Valk P, Vandertop P, Dirven C, Noske D. Homing properties of adipose-derived stem cells to intracerebral glioma and the effects of adenovirus infection. Cancer Lett. 2009 Feb 8;274(1):78-87. doi: 10.1016/j.canlet.2008.08.035. Epub 2008 Oct 7. PMID: 18842332.

200: Shah NC, Ray A, Bartels U, Rutka J, Bouffet E, Drake J, Hawkins CE, Huang A. Diffuse intrinsic brainstem tumors in neonates. Report of two cases. J Neurosurg Pediatr. 2008 May;1(5):382-5. doi: 10.3171/PED/2008/1/5/382. PMID: 18447673.

201: Joshi BH, Puri RA, Leland P, Varricchio F, Gupta G, Kocak M, Gilbertson RJ, Puri RK; US Pediatric Brain Tumor Consortium. Identification of interleukin-13 receptor alpha2 chain overexpression in situ in high-grade diffusely infiltrative pediatric brainstem glioma. Neuro Oncol. 2008 Jun;10(3):265-74. doi: 10.1215/15228517-2007-066. Epub 2008 Apr 22. PMID: 18430795; PMCID: PMC2563049.

202: Postovsky S, Eran A, Weyl Ben Arush M. Unusual case of leptomeningeal dissemination of a diffuse pontine high-grade astrocytoma in a child. Pediatr Neurosurg. 2008;44(3):208-11. doi: 10.1159/000120152. Epub 2008 Mar 11. PMID: 18334845.

203: Wolff JE, Classen CF, Wagner S, Kortmann RD, Palla SL, Pietsch T, Kühl J, Gnekow A, Kramm CM. Subpopulations of malignant gliomas in pediatric patients: analysis of the HIT-GBM database. J Neurooncol. 2008 Apr;87(2):155-64. doi: 10.1007/s11060-007-9495-z. Epub 2008 Jan 22. PMID: 18209954.

204: Hoelzinger DB, Demuth T, Berens ME. Autocrine factors that sustain glioma invasion and

paracrine biology in the brain microenvironment. J Natl Cancer Inst. 2007 Nov 7;99(21):1583-93. doi: 10.1093/jnci/djm187. Epub 2007 Oct 30. PMID: 17971532.

205: Fouladi M, Nicholson HS, Zhou T, Laningham F, Helton KJ, Holmes E, Cohen K, Speights RA, Wright J, Pollack IF; Children's Oncology Group. A phase II study of the farnesyl transferase inhibitor, tipifarnib, in children with recurrent or progressive high-grade glioma, medulloblastoma/primitive neuroectodermal tumor, or brainstem glioma: a Children's Oncology Group study. Cancer. 2007 Dec 1;110(11):2535-41. doi: 10.1002/cncr.23078. PMID: 17932894.

206: Wagner S, Benesch M, Berthold F, Gnekow AK, Rutkowski S, Sträter R, Warmuth-Metz M, Kortmann RD, Pietsch T, Wolff JE. Secondary dissemination in children with high-grade malignant gliomas and diffuse intrinsic pontine gliomas. Br J Cancer. 2006 Oct 23;95(8):991-7. doi: 10.1038/sj.bjc.6603402. Epub 2006 Oct 3. PMID: 17047647; PMCID: PMC2360717.

207: Jallo GI, Volkov A, Wong C, Carson BS Sr, Penno MB. A novel brainstem tumor model: functional and histopathological characterization. Childs Nerv Syst. 2006 Dec;22(12):1519-25. doi: 10.1007/s00381-006-0174-8. Epub 2006 Oct 5. PMID: 17021732.

208: Aquino-Parsons C, Hukin J, Green A. Concurrent carbogen and radiation therapy in children with high-risk brainstem gliomas. Pediatr Blood Cancer. 2008 Feb;50(2):397-9. doi: 10.1002/pbc.21057. PMID: 17009221.

209: Kwon JW, Kim IO, Cheon JE, Kim WS, Moon SG, Kim TJ, Chi JG, Wang KC, Chung JK, Yeon KM. Paediatric brain-stem gliomas: MRI, FDG-PET and histological grading correlation. Pediatr Radiol. 2006 Sep;36(9):959-64. doi: 10.1007/s00247-006-0256-5. Epub 2006 Jul 18. PMID: 16847598.

210: Burzynski SR. Treatments for astrocytic tumors in children: current and emerging strategies. Paediatr Drugs. 2006;8(3):167-78. doi: 10.2165/00148581-200608030-00003. PMID: 16774296.

211: Wolff JE, Wagner S, Reinert C, Gnekow A, Kortmann RD, Kühl J, Van Gool SW. Maintenance treatment with interferon-gamma and low-dose cyclophosphamide for pediatric high-grade glioma. J Neurooncol. 2006 Sep;79(3):315-21. doi: 10.1007/s11060-006-9147-8. Epub 2006 Apr 28. PMID: 16645718.

212: Burzynski SR, Janicki TJ, Weaver RA, Burzynski B. Targeted therapy with antineoplastons A10 and AS2-1 of high-grade, recurrent, and progressive brainstem glioma. Integr Cancer Ther. 2006 Mar;5(1):40-7. doi: 10.1177/1534735405285380. PMID: 16484713.

213: Phillips NS, Sanford RA, Helton KJ, Boop FA, Zou P, Tekautz T, Gajjar A, Ogg RJ. Diffusion tensor imaging of intraaxial tumors at the cervicomedullary and pontomedullary junctions. Report of two cases. J Neurosurg. 2005 Dec;103(6 Suppl):557-62. doi: 10.3171/ped.2005.103.6.0557. PMID: 16383256.

214: Brami-Zylberberg F, Grand S, Le Bas JF, Meder JF. IRM des oligodendrogliomes [MRI for oligodendrogliomas]. Neurochirurgie. 2005 Sep;51(3-4 Pt 2):273-85. French. doi: 10.1016/s0028-3770(05)83489-7. PMID: 16292172.

215: Finlay JL, Zacharoulis S. The treatment of high grade gliomas and diffuse intrinsic pontine tumors of childhood and adolescence: a historical - and futuristic - perspective. J Neurooncol. 2005 Dec;75(3):253-66. doi: 10.1007/s11060-005-6747-7. PMID: 16195805.

216: Hulleman E, Helin K. Molecular mechanisms in gliomagenesis. Adv Cancer Res. 2005;94:1-27.

doi: 10.1016/S0065-230X(05)94001-3. PMID: 16095998.

217: Hong S, Kim IH, Wang KC. Outcome and prognostic factors of childhood diffuse brainstem glioma. Cancer Res Treat. 2005 Apr;37(2):109-13. doi: 10.4143/crt.2005.37.2.109. Epub 2005 Apr 30. PMID: 19956489; PMCID: PMC2785398.

218: Badhe PB, Chauhan PP, Mehta NK. Brainstem gliomas–a clinicopathological study of 45 cases with p53 immunohistochemistry. Indian J Cancer. 2004 Oct- Dec;41(4):170-4. PMID: 15659871.

219: Rutka JT, Kuo JS. Pediatric surgical neuro-oncology: current best care practices and strategies. J Neurooncol. 2004 Aug-Sep;69(1-3):139-50. doi: 10.1023/b:neon.0000041877.14749.b6. PMID: 15527086.

220: Broniscer A, Gajjar A. Supratentorial high-grade astrocytoma and diffuse brainstem glioma: two challenges for the pediatric oncologist. Oncologist. 2004;9(2):197-206. doi: 10.1634/theoncologist.9-2-197. PMID: 15047924.

221: Gilbertson RJ, Hill DA, Hernan R, Kocak M, Geyer R, Olson J, Gajjar A, Rush L, Hamilton RL, Finkelstein SD, Pollack IF. ERBB1 is amplified and overexpressed in high-grade diffusely infiltrative pediatric brain stem glioma. Clin Cancer Res. 2003 Sep 1;9(10 Pt 1):3620-4. PMID: 14506149.

222: Lashford LS, Thiesse P, Jouvet A, Jaspan T, Couanet D, Griffiths PD, Doz F, Ironside J, Robson K, Hobson R, Dugan M, Pearson AD, Vassal G, Frappaz D; United Kingdom Children's Cancer Study Group and French Society for Pediatric Oncology Intergroup Study. Temozolomide in malignant gliomas of childhood: a United Kingdom Children's Cancer Study Group and French Society for Pediatric Oncology Intergroup Study. J Clin Oncol. 2002 Dec 15;20(24):4684-91. doi: 10.1200/JCO.2002.08.141. PMID: 12488414.

223: Cohen KJ, Broniscer A, Glod J. Pediatric glial tumors. Curr Treat Options Oncol. 2001 Dec;2(6):529-36. doi: 10.1007/s11864-001-0074-9. PMID: 12057098.

224: Guillamo JS, Monjour A, Taillandier L, Devaux B, Varlet P, Haie-Meder C, Defer GL, Maison P, Mazeron JJ, Cornu P, Delattre JY; Association des Neuro- Oncologues d'Expression Française (ANOCEF). Brainstem gliomas in adults: prognostic factors and classification. Brain. 2001 Dec;124(Pt 12):2528-39. doi: 10.1093/brain/124.12.2528. PMID: 11701605.

225: Packer RJ. Primary Central Nervous System Tumors in Children. Curr Treat Options Neurol. 1999 Nov;1(5):395-408. doi: 10.1007/s11940-996-0003-0. PMID: 11096724.

226: Fisher PG, Breiter SN, Carson BS, Wharam MD, Williams JA, Weingart JD, Foer DR, Goldthwaite PT, Tihan T, Burger PC. A clinicopathologic reappraisal of brain stem tumor classification. Identification of pilocystic astrocytoma and fibrillary astrocytoma as distinct entities. Cancer. 2000 Oct 1;89(7):1569-76. doi: 10.1002/1097-0142(20001001)89:7<1569::aid-cncr22>3.0.co;2-0. PMID: 11013373.

227: Krinke GJ, Kaufmann W, Mahrous AT, Schaetti P. Morphologic characterization of spontaneous nervous system tumors in mice and rats. Toxicol Pathol. 2000 Jan- Feb;28(1):178-92. doi: 10.1177/019262330002800123. PMID: 10669006.

228: Jakacki RI, Siffert J, Jamison C, Velasquez L, Allen JC. Dose-intensive, time-compressed procarbazine, CCNU, vincristine (PCV) with peripheral blood stem cell support and concurrent radiation in patients with newly diagnosed high- grade gliomas. J Neurooncol. 1999 Aug;44(1):77-83. doi: 10.1023/a:1006360222643. PMID: 10582673.

229: Cheng Y, Ng HK, Zhang SF, Ding M, Pang JC, Zheng J, Poon WS. Genetic alterations in pediatric high-grade astrocytomas. Hum Pathol. 1999 Nov;30(11):1284-90. doi: 10.1016/s0046-8177(99)90057-6. PMID: 10571506.

230: Kalifa C, Valteau D, Pizer B, Vassal G, Grill J, Hartmann O. High-dose chemotherapy in childhood brain tumours. Childs Nerv Syst. 1999 Oct;15(10):498-505. doi: 10.1007/s003810050538. PMID: 10550581.

231: Allen J, Siffert J, Donahue B, Nirenberg A, Jakacki R, Robertson P, DaRosso R, Thoron L, Rosovsky M, Pinto R. A phase I/II study of carboplatin combined with hyperfractionated radiotherapy for brainstem gliomas. Cancer. 1999 Sep 15;86(6):1064-9. doi: 10.1002/(sici)1097-0142(19990915)86:6<1064::aid- cncr24>3.0.co;2-1. PMID: 10491535.

232: Wietelmann D, Schumacher M, Muendel J. Hirnstammgliom [Brain stem glioma]. Radiologe. 1998 Nov;38(11):904-12. German. doi: 10.1007/s001170050441. PMID: 9861650.

233: Chuba PJ, Zamarano L, Hamre M, Bhambhani K, Canady A, Guys MB, Matter A, Portillo G, Chung-bin S, Fontanesi J. Permanent I-125 brain stem implants in children. Childs Nerv Syst. 1998 Oct;14(10):570-7. doi: 10.1007/s003810050274. PMID: 9840381.

234: Estlin EJ, Lashford L, Ablett S, Price L, Gowing R, Gholkar A, Kohler J, Lewis IJ, Morland B, Pinkerton CR, Stevens MC, Mott M, Stevens R, Newell DR, Walker D, Dicks-Mireaux C, McDowell H, Reidenberg P, Statkevich P, Marco A, Batra V, Dugan M, Pearson AD. Phase I study of temozolomide in paediatric patients with advanced cancer. United Kingdom Children's Cancer Study Group. Br J Cancer. 1998 Sep;78(5):652-61. doi: 10.1038/bjc.1998.555. PMID: 9744506; PMCID: PMC2063055.

235: Ishii N, Sawamura Y, Tada M, Daub DM, Janzer RC, Meagher-Villemure M, de Tribolet N, Van Meir EG. Absence of p53 gene mutations in a tumor panel representative of pilocytic astrocytoma diversity using a p53 functional assay. Int J Cancer. 1998 Jun 10;76(6):797-800. doi: 10.1002/(sici)1097-0215(19980610)76:6<797::aid-ijc5>3.0.co;2-t. PMID: 9626343.

236: Bouffet E, Khelfaoui F, Philip I, Biron P, Brunat-Mentigny M, Philip T. High-dose carmustine for high-grade gliomas in childhood. Cancer Chemother Pharmacol. 1997;39(4):376-9. doi: 10.1007/s002800050586. PMID: 9025780.

237: Dunkel IJ, O'Malley B, Finlay JL. Is there a role for high-dose chemotherapy with stem cell rescue for brain stem tumors of childhood? Pediatr Neurosurg. 1996;24(5):263-6. doi: 10.1159/000121049. PMID: 8933570.

238: Allen JC, Siffert J. Contemporary chemotherapy issues for children with brainstem gliomas. Pediatr Neurosurg. 1996;24(2):98-102. doi: 10.1159/000121024. PMID: 8841080.

239: Mori S, Tanaka R, Takeda N, Yoshida S. [Evaluation of radiation therapy in pediatric brain stem glioma by computed tomography: CT findings and tumor response to radiotherapy]. No Shinkei Geka. 1991 Feb;19(2):129-35. Japanese. PMID: 2023668.

240: Shibamoto Y, Takahashi M, Dokoh S, Tanabe M, Ishida T, Abe M. Radiation therapy for brain stem tumor with special reference to CT feature and prognosis correlations. Int J Radiat Oncol Biol Phys. 1989 Jul;17(1):71-6. doi: 10.1016/0360-3016(89)90372-6. PMID: 2745210.