

Houston Methodist Hospital

Houston Methodist Hospital is the flagship hospital of Houston Methodist. Located in the [Texas Medical Center](#) in [Houston](#), Texas, H In 2013, Houston Methodist changed its official name from The Methodist Hospital System to Houston Methodist, following an announcement by Houston Methodist.

<https://www.houstonmethodist.org/for-health-professionals/departments-programs/neurosurgery/>

The Methodist Hospital ([Houston](#)), ranked as the top hospital in [Texas](#) and 17th in the country for neurosurgery by U.S. News & World Report for 2012-13, has a leading Neurological Institute that was founded in 2004, but its history stretches much further. Physicians at the 1,119-bed Methodist performed the country's first spinal instrumentation surgery and first removal of a spinal cord tumor in the early 1960s. In November 2012, Methodist Neurological Institute Director Stanley Appel, MD, and a team of researchers received a Moran Foundation Award for showing how T lymphocytes could slow down ALS, or Lou Gehrig's disease.

Farhaan Vahidy

[Gavin W. Britz](#).

Ambrose N, Amin A, Anderson B, Barrera-Oro J, Bertagnolli M, Campion F, Chow D, Danan R, D'Arinzo L, Drews A, Erlandson K, Fitzgerald K, Garcia M, Gaspar FW, Gong C, Hanna G, Jones S, Lopansri B, Musser J, O'Horo J, Piantadosi S, Pritt B, Razonable RR, Roberts S, Sandmeyer S, Stein D, Vahidy F, Webb B, Yttri J. Neutralizing [Monoclonal Antibody](#) Use and [COVID-19 Infection](#) Outcomes. JAMA Netw Open. 2023 Apr 3;6(4):e239694. doi: 10.1001/jamanetworkopen.2023.9694. PMID: 37093599.

Lee JJ, Sadrameli SS, Desai VR, Austerman RJ, Leonard DM, Dalm BD. Immediate [Abdominal Pain](#) after Placement of Thoracic [Paddle Leads](#) for [Spinal Cord Stimulation](#): A Case Series. Stereotact Funct Neurosurg. 2019 Jan 3;1-6. doi: 10.1159/000495415. [Epub ahead of print] PubMed PMID: 30605913.

2: Savitz SI, Yavagal D, Rappard G, Likosky W, Rutledge N, Graffagnino C, Alderazi Y, Elder JA, Chen PR, Budzik RF, Tarrel R, Huang DY, Hinson JM; ALD-401 Trial Group. A Phase 2 Randomized, Sham Controlled Trial of Internal Carotid Artery Infusion of Autologous Bone Marrow Derived ALD-401 Cells in Patients with Recent Stable Ischemic Stroke (RECOVER-Stroke). Circulation. 2018 Nov 29. doi: 10.1161/CIRCULATIONAHA.117.030659. [Epub ahead of print] PubMed PMID: 30586746.

3: Ghali MGZ, Srinivasan VM, Kan P. Letter to the Editor Regarding "Endovascular Treatment of Posterior Inferior Cerebellar Artery Aneurysms with Flow Diversion". World Neurosurg. 2019 Jan;121:285-286. doi: 10.1016/j.wneu.2018.08.247. PubMed PMID: 30557929.

4: Ghali MGZ, Srinivasan VM, Kan P. Letter to the Editor Regarding "Pediatric Intracranial Pseudoaneurysms: Report of 15 Cases and Review of the Literature". World Neurosurg. 2019 Jan;121:282-283. doi: 10.1016/j.wneu.2018.08.246. PubMed PMID: 30557927.

5: McClard CK, Prospero Ponce CM, Vickers A, Lee AG. Case Report: Late Sequela of a Meningioma Involving the Optic Chiasm. Neuroophthalmology. 2018 May 23;42(6):385-390. doi:

10.1080/01658107.2018.1458141. eCollection 2018 Dec. PubMed PMID: 30524491; PubMed Central PMCID: PMC6276957.

6: Britz GW, Desai VR. Commentary: The Experience With Flow Diverters in the Treatment of Posterior Inferior Cerebellar Artery Aneurysms. *Oper Neurosurg* (Hagerstown). 2018 Dec 12. doi: 10.1093/ons/opy367. [Epub ahead of print] PubMed PMID: 30541056.

7: Shamim MM, Vickers A, Lee AG, Costello F. The X Factor. *Surv Ophthalmol*. 2018 Dec 3. pii: S0039-6257(18)30308-4. doi: 10.1016/j.survophthal.2018.11.003. [Epub ahead of print] PubMed PMID: 30521817.

8: Mattingly JJ, Sadaka A, Lee AG, Yalamanchili SS. T-Cell Acute Lymphoblastic Lymphoma Presenting as Dissecting Cellulitis and Cavernous Sinus Syndrome. *J Neuroophthalmol*. 2018 Dec;38(4):470-472. doi: 10.1097/WNO.0000000000000665. PubMed PMID: 30418330.

9: Gross AW, Vickers A, Lee AG, Chen JJ, Bhatti MT. A slippery slope. *Surv Ophthalmol*. 2018 Oct 30. pii: S0039-6257(18)30201-7. doi: 10.1016/j.survophthal.2018.10.006. [Epub ahead of print] PubMed PMID: 30385270.

10: Boerwinkle VL, Foldes ST, Torrisi SJ, Temkit H, Gaillard WD, Kerrigan JF, Desai VR, Raskin JS, Vedantam A, Jarrar R, Williams K, Lam S, Ranjan M, Broderson JS, Adelson D, Wilfong AA, Curry DJ. Subcentimeter epilepsy surgery targets by resting state functional magnetic resonance imaging can improve outcomes in hypothalamic hamartoma. *Epilepsia*. 2018 Dec;59(12):2284-2295. doi: 10.1111/epi.14583. Epub 2018 Oct 30. PubMed PMID: 30374947.

Román GC, Verma AK, Zhang YJ, Fung SH. Idiopathic normal-pressure [hydrocephalus](#) and [obstructive sleep apnea](#) are frequently associated: A prospective cohort study. *J Neurol Sci*. 2018 Oct 3;395:164-168. doi: 10.1016/j.jns.2018.10.005. [Epub ahead of print] PubMed PMID: 30340088.

2: Zaki Ghali MG, Britz G, Lee KZ. Pre-phrenic interneurons: characterization and role in phrenic pattern formation and respiratory recovery following spinal cord injury. *Respir Physiol Neurobiol*. 2018 Oct 10. pii: S1569-9048(18)30162-9. doi: 10.1016/j.resp.2018.09.005. [Epub ahead of print] Review. PubMed PMID: 30315961.

3: Fiorella D, Boulos A, Turk AS, Siddiqui AH, Arthur AS, Diaz O, Lopes DK; LVIS investigators. The safety and effectiveness of the LVIS stent system for the treatment of wide-necked cerebral aneurysms: final results of the pivotal US LVIS trial. *J Neurointerv Surg*. 2018 Oct 8. pii: neurintsurg-2018-014309. doi: 10.1136/neurintsurg-2018-014309. [Epub ahead of print] PubMed PMID: 30297543.

4: Gerasimenko Y, Sayenko D, Gad P, Kozesnik J, Moshonkina T, Grishin A, Pukhov A, Moiseev S, Gorodnichev R, Selionov V, Kozlovskaya I, Edgerton VR. Electrical Spinal Stimulation, and Imaging of Lower Limb Movements to Modulate Brain-Spinal Connectomes That Control Locomotor-Like Behavior. *Front Physiol*. 2018 Sep 19;9:1196. doi: 10.3389/fphys.2018.01196. eCollection 2018. PubMed PMID: 30283341; PubMed Central PMCID: PMC6157483.

Patel R, Muir M, Cvetkovic C, Krencik R. Concepts towards directing human [astroplasticity](#) to promote [neuroregeneration](#). *Dev Dyn*. 2018 Jul 17. doi: 10.1002/dvdy.24655. [Epub ahead of print] Review. PubMed PMID: 30016584 ¹⁾.

Lv N, Karmonik C, Chen S, Wang X, Fang Y, Huang Q, Liu J. Relationship Between [Aneurysm Wall](#)

[Enhancement](#) in Vessel Wall Magnetic Resonance Imaging and Rupture Risk of [Unruptured Intracranial Aneurysms](#). *Neurosurgery*. 2018 Jul 13. doi: 10.1093/neuros/nyy310. [Epub ahead of print] PubMed PMID: 30011026 ²⁾.

3: Nguyen T, Potter T, Karmonik C, Grossman R, Zhang Y. Concurrent EEG and Functional MRI Recording and Integration Analysis for Dynamic Cortical Activity Imaging. *J Vis Exp*. 2018 Jun 30;(136). doi: 10.3791/56417. PubMed PMID: 30010646.

4: Diaz OM, Toledo MM, Roehm JOF, Klucznik RP, Chinnadurai P, Lopez GV, Britz GW. Unique percutaneous direct puncture technique for occlusion of a hypoglossal canal dural arteriovenous fistula. *J Neurointerv Surg*. 2018 Jun 16. pii: neurintsurg-2018-013845. doi: 10.1136/neurintsurg-2018-013845. [Epub ahead of print] PubMed PMID: 29909379.

5: Sultan H, Smith SV, Lee AG, Chévez-Barrios P. Pathologic Markers Determining Prognosis in Patients With Treated or Healing Giant Cell Arteritis. *Am J Ophthalmol*. 2018 Jun 8;193:45-53. doi: 10.1016/j.ajo.2018.05.031. [Epub ahead of print] PubMed PMID: 29890162.

6: Fenoy AJ, Schulz PE, Selvaraj S, Burrows CL, Zunta-Soares G, Durkin K, Zanotti-Fregonara P, Quevedo J, Soares JC. A longitudinal study on deep brain stimulation of the medial forebrain bundle for treatment-resistant depression. *Transl Psychiatry*. 2018 Jun 4;8(1):111. doi: 10.1038/s41398-018-0160-4. PubMed PMID: 29867109; PubMed Central PMCID: PMC5986795.

7: Bicocca MJ, Gilbert AR, Sadrameli SS, Pirics ML. Subtotal Resection of an Anaplastic Ganglioglioma in Pregnancy. *Case Rep Obstet Gynecol*. 2018 May 10;2018:4606354. doi: 10.1155/2018/4606354. eCollection 2018. PubMed PMID: 29862102; PubMed Central PMCID: PMC5971236.

8: Dhar SS, Zhao D, Lin T, Gu B, Pal K, Wu SJ, Alam H, Lv J, Yun K, Gopalakrishnan V, Flores ER, Northcott PA, Rajaram V, Li W, Shilatifard A, Sillitoe RV, Chen K, Lee MG. MLL4 Is Required to Maintain Broad H3K4me3 Peaks and Super-Enhancers at Tumor Suppressor Genes. *Mol Cell*. 2018 Jun 7;70(5):825-841.e6. doi: 10.1016/j.molcel.2018.04.028. Epub 2018 May 31. PubMed PMID: 29861161.

9: Nguyen T, Avci NG, Shin DH, Martinez-Velez N, Jiang H. Tune Up In Situ Autovaccination against Solid Tumors with Oncolytic Viruses. *Cancers (Basel)*. 2018 May 31;10(6). pii: E171. doi: 10.3390/cancers10060171. Review. PubMed PMID: 29857493; PubMed Central PMCID: PMC6025332.

10: Samuel S, Lee M, Brown RJ, Choi HA, Baguley IJ. Incidence of paroxysmal sympathetic hyperactivity following traumatic brain injury using assessment tools. *Brain Inj*. 2018;32(9):1115-1121. doi: 10.1080/02699052.2018.1482002. Epub 2018 Jun 1. PubMed PMID: 29856656.

11: Sharpe MA, Raghavan S, Baskin DS. PAM-OBG: A monoamine oxidase B specific prodrug that inhibits MGMT and generates DNA interstrand crosslinks, potentiating temozolomide and chemoradiation therapy in intracranial glioblastoma. *Oncotarget*. 2018 May 8;9(35):23923-23943. doi: 10.18632/oncotarget.25246. eCollection 2018 May 8. PubMed PMID: 29844863; PubMed Central PMCID: PMC5963626.

12: D'souza NM, Nguyen HD, Smith SV, Nagarajan P, Diab A, Allen RC, Gombos DS, Lee AG. Metastatic Melanoma of the Optic Nerve Sheath. *Neuroophthalmology*. 2017 Sep 14;42(3):187-190. doi: 10.1080/01658107.2017.1372488. eCollection 2018 Jun. PubMed PMID: 29796055; PubMed Central PMCID: PMC5958962.

13: Rath M, Vette AH, Ramasubramaniam S, Li K, Burdick J, Edgerton VR, Gerasimenko YP, Sayenko DG. Trunk Stability Enabled by Noninvasive Spinal Electrical Stimulation after Spinal Cord Injury. *J*

Neurotrauma. 2018 Jul 5. doi: 10.1089/neu.2017.5584. [Epub ahead of print] PubMed PMID: 29786465.

14: Shah BM, Sadaka A, Berry S, Malik A, Lee AG. Bilateral disc edema in hypertensive emergency. *Can J Ophthalmol*. 2018 Jun;53(3):e113-e115. doi: 10.1016/j.jcjo.2017.08.015. Epub 2017 Nov 27. PubMed PMID: 29784174.

15: Mikheev AM, Mikheeva SA, Severs LJ, Funk CC, Huang L, McFaline-Figueroa JL, Schwensen J, Trapnell C, Price ND, Wong S, Rostomily RC. Targeting TWIST1 through loss of function inhibits tumorigenicity of human glioblastoma. *Mol Oncol*. 2018 Jun;12(7):1188-1202. doi: 10.1002/1878-0261.12320. Epub 2018 May 29. PubMed PMID: 29754406; PubMed Central PMCID: PMC6026950.

16: Puchalski RB, Shah N, Miller J, Dalley R, Nomura SR, Yoon JG, Smith KA, Lankarovich M, Bertagnoli D, Bickley K, Boe AF, Brouner K, Butler S, Caldejon S, Chapin M, Datta S, Dee N, Desta T, Dolbeare T, Dotson N, Ebbert A, Feng D, Feng X, Fisher M, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Hejazi N, Hohmann J, Hothi P, Howard R, Joines K, Kriedberg A, Kuan L, Lau C, Lee F, Lee H, Lemon T, Long F, Mastan N, Mott E, Murthy C, Ngo K, Olson E, Reding M, Riley Z, Rosen D, Sandman D, Shapovalova N, Slaughterbeck CR, Sodt A, Stockdale G, Szafer A, Wakeman W, Wohnoutka PE, White SJ, Marsh D, Rostomily RC, Ng L, Dang C, Jones A, Keogh B, Gittleman HR, Barnholtz-Sloan JS, Cimino PJ, Uppin MS, Keene CD, Farrokhi FR, Lathia JD, Berens ME, Iavarone A, Bernard A, Lein E, Phillips JW, Rostad SW, Cobbs C, Hawrylycz MJ, Foltz GD. An anatomic transcriptional atlas of human glioblastoma. *Science*. 2018 May 11;360(6389):660-663. doi: 10.1126/science.aaf2666. PubMed PMID: 29748285.

17: Huang M, Dalm B, Simpson RK. Toxic Myelitis and Arachnoiditis After Intrathecal Delivery of Bupivacaine via an Implanted Drug Delivery System: Case Report and Review of the Literature. *Cureus*. 2018 Feb 27;10(2):e2240. doi: 10.7759/cureus.2240. PubMed PMID: 29719742; PubMed Central PMCID: PMC5922505.

18: Wilson JR, Jaja BNR, Kwon BE, Guest JD, Harrop JS, Aarabi B, Shaffrey CI, Badhiwala JH, Toups EG, Grossman RG, Fehlings MG. Natural History, Predictors of Outcome, and Effects of Treatment in Thoracic Spinal Cord Injury: A Multi-Center Cohort Study from the North American Clinical Trials Network. *J Neurotrauma*. 2018 Jun 7. doi: 10.1089/neu.2017.5535. [Epub ahead of print] PubMed PMID: 29665733.

19: Prospero Ponce CM, Malik AI, Vickers A, Chevez-Barrios P, Lee AG. Orbital Inflammatory Syndrome Secondary to Flea Bite. *Ophthalmic Plast Reconstr Surg*. 2018 Jul/Aug;34(4):e115-e118. doi: 10.1097/IOP.0000000000001115. PubMed PMID: 29659432.

20: Ijare OB, Baskin DS, Sharpe MA, Pichumani K. Metabolism of fructose in B-cells: A ¹³C NMR spectroscopy based stable isotope tracer study. *Anal Biochem*. 2018 Jul 1;552:110-117. doi: 10.1016/j.ab.2018.04.003. Epub 2018 Apr 11. PubMed PMID: 29654744.

21: Salazar H, Sadaka A, Berry S, Torres P, Lee AG. Nine syndrome in a patient with systemic lupus erythematosus. *Can J Ophthalmol*. 2018 Apr;53(2):e52-e55. doi: 10.1016/j.jcjo.2017.07.018. Epub 2017 Sep 22. PubMed PMID: 29631840.

22: Malisch TW, Zaidat OO, Castonguay AC, Marden FA, Gupta R, Sun CJ, Martin CO, Holloway WE, Mueller-Kronast N, English J, Linfante I, Dabus G, Bozorgchami H, Xavier A, Rai AT, Froehler M, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, Nogueira RG. Clinical and Angiographic Outcomes with the Combined Local Aspiration and Retriever in the North American Solitaire Stent-Retriever

- Acute Stroke (NASA) Registry. *Interv Neurol*. 2018 Feb;7(1-2):26-35. doi: 10.1159/000480353. Epub 2017 Oct 11. PubMed PMID: 29628942; PubMed Central PMCID: PMC5881148.
- 23: Pellegrini F, Lee AG, Cercato C. Multicentric Glioblastoma Multiforme Mimicking Optic Neuritis. *Neuroophthalmology*. 2017 Aug 2;42(2):112-116. doi: 10.1080/01658107.2017.1350194. eCollection 2018 Apr. PubMed PMID: 29563957; PubMed Central PMCID: PMC5858864.
- 24: Sigireddi RR, Lyons LJ, Beaver HA, Lee AG. Herpes zoster ophthalmicus: Pre-eruption phase sine herpete. *Am J Ophthalmol Case Rep*. 2018 Mar 8;10:201-202. doi: 10.1016/j.ajoc.2018.03.004. eCollection 2018 Jun. PubMed PMID: 29552667; PubMed Central PMCID: PMC5854874.
- 25: Lee AG, Mader TH, Gibson CR, Brunstetter TJ, Tarver WJ. Space flight-associated neuro-ocular syndrome (SANS). *Eye (Lond)*. 2018 Jul;32(7):1164-1167. doi: 10.1038/s41433-018-0070-y. Epub 2018 Mar 12. Review. PubMed PMID: 29527011; PubMed Central PMCID: PMC6043524.
- 26: Lv N, Tang H, Chen S, Wang X, Fang Y, Karmonik C, Huang Q, Liu J. Morphological Parameters Related to Aneurysm Wall Enhancement in Patients with Multiple Intracranial Aneurysms. *World Neurosurg*. 2018 Jun;114:e338-e343. doi: 10.1016/j.wneu.2018.02.182. Epub 2018 Mar 8. PubMed PMID: 29524719.
- 27: Ballester LY, Boghani Z, Baskin DS, Britz GW, Olsen R, Fuller GN, Powell SZ, Cykowski MD. Creutzfeldt astrocytes may be seen in IDH-wildtype glioblastoma and retain expression of DNA repair and chromatin binding proteins. *Brain Pathol*. 2018 Mar 6. doi: 10.1111/bpa.12604. [Epub ahead of print] PubMed PMID: 29509313.
- 28: Zaidat OO, Castonguay AC, Linfante I, Gupta R, Martin CO, Holloway WE, Mueller-Kronast N, English JD, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Yoo AJ, Janardhan V, Shaltoni H, Novakovic R, Abou-Chebl A, Chen PR, Britz GW, Sun CJ, Bansal V, Kaushal R, Nanda A, Nogueira RG. First Pass Effect: A New Measure for Stroke Thrombectomy Devices. *Stroke*. 2018 Mar;49(3):660-666. doi: 10.1161/STROKEAHA.117.020315. Epub 2018 Feb 19. PubMed PMID: 29459390.
- 29: Long W, Zhao W, Ning B, Huang J, Chu J, Li L, Ma Q, Xing C, Wang HY, Liu Q, Wang RF. PHF20 collaborates with PARP1 to promote stemness and aggressiveness of neuroblastoma cells through activation of SOX2 and OCT4. *J Mol Cell Biol*. 2018 Apr 1;10(2):147-160. doi: 10.1093/jmcb/mjy007. PubMed PMID: 29452418; PubMed Central PMCID: PMC5951121.
- 30: Leslie-Mazwi T, Chandra RV, Baxter BW, Arthur AS, Hussain MS, Singh IP, Frei DF, Klucznik RP, Albuquerque FC, Hirsch JA; Society of NeuroInterventional Surgery. ELVO: an operational definition. *J Neurointerv Surg*. 2018 Jun;10(6):507-509. doi: 10.1136/neurintsurg-2018-013792. Epub 2018 Feb 8. PubMed PMID: 29439127.
- 31: Allen RP, Picchietti DL, Auerbach M, Cho YW, Connor JR, Earley CJ, Garcia-Borreguero D, Kotagal S, Manconi M, Ondo W, Ulfberg J, Winkelmann JW; International Restless Legs Syndrome Study Group (IRLSSG). Evidence-based and consensus clinical practice guidelines for the iron treatment of restless legs syndrome/Willis-Ekbom disease in adults and children: an IRLSSG task force report. *Sleep Med*. 2018 Jan;41:27-44. doi: 10.1016/j.sleep.2017.11.1126. Epub 2017 Nov 24. PubMed PMID: 29425576.
- 32: Liebelt BD, Huang M, Britz GW. A Comparison of Cerebellar Retraction Pressures in Posterior Fossa Surgery: Extended Retrosigmoid Versus Traditional Retrosigmoid Approach. *World Neurosurg*. 2018 May;113:e88-e92. doi: 10.1016/j.wneu.2018.01.173. Epub 2018 Feb 3. PubMed PMID: 29408427.
- 33: Taphoorn MJB, Dirven L, Kanner AA, Lavy-Shahaf G, Weinberg U, Taillibert S, Toms SA, Honnorat J,

Chen TC, Sroubek J, David C, Idbaih A, Easaw JC, Kim CY, Bruna J, Hottinger AF, Kew Y, Roth P, Desai R, Villano JL, Kirson ED, Ram Z, Stupp R. Influence of Treatment With Tumor-Treating Fields on Health-Related Quality of Life of Patients With Newly Diagnosed Glioblastoma: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Oncol*. 2018 Apr 1;4(4):495-504. doi: 10.1001/jamaoncol.2017.5082. PubMed PMID: 29392280; PubMed Central PMCID: PMC5885193.

34: Gandhi CD, Al Mufti F, Singh IP, Abruzzo T, Albani B, Ansari SA, Arthur AS, Bain M, Baxter BW, Bulsara KR, Caplan JM, Chen M, Dabus G, Frei D, Hetts SW, Hussain MS, Jayaraman MV, Kayan Y, Klucznik RP, Lee SK, Mack WJ, Leslie-Mazwi T, McTaggart RA, Meyers PM, Mokin M, Patsalides AT, Prestigiacomo CJ, Pride GL Jr, Starke RM, Sunenshine PJ, Fraser JF; Standards and Guidelines committee of the Society of NeuroInterventional Surgery (SNIS). Neuroendovascular management of emergent large vessel occlusion: update on the technical aspects and standards of practice by the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2018 Mar;10(3):315-320. doi: 10.1136/neurintsurg-2017-013554. Epub 2018 Jan 11. PubMed PMID: 29326380.

35: Chang EA, Shah R, Smith SV, Sadaka A, Ortiz Gomez J, Chevez-Barrios P, Lee AG. Neuro-Ophthalmic Manifestations of Pituitary Carcinoma. *J Neuroophthalmol*. 2018 Jan 8. doi: 10.1097/WNO.0000000000000620. [Epub ahead of print] PubMed PMID: 29315125.

36: Coarfa C, Florentin D, Putluri N, Ding Y, Au J, He D, Ragheb A, Frolov A, Michailidis G, Lee M, Kadmon D, Miles B, Smith C, Ittmann M, Rowley D, Sreekumar A, Creighton CJ, Ayala G. Influence of the neural microenvironment on prostate cancer. *Prostate*. 2018 Feb;78(2):128-139. doi: 10.1002/pros.23454. Epub 2017 Nov 13. PubMed PMID: 29131367; PubMed Central PMCID: PMC5836952.

37: Lv N, Cao W, Larrabide I, Karmonik C, Zhu D, Liu J, Huang Q, Fang Y. Hemodynamic Changes Caused by Multiple Stenting in Vertebral Artery Fusiform Aneurysms: A Patient-Specific Computational Fluid Dynamics Study. *AJNR Am J Neuroradiol*. 2018 Jan;39(1):118-122. doi: 10.3174/ajnr.A5452. Epub 2017 Nov 2. PubMed PMID: 29097416.

38: Amram AL, Hertzog WJ, Smith SV, Chévez-Barrios P, Lee AG. Perineural spread of basosquamous carcinoma to the orbit, cavernous sinus, and infratemporal fossa. *Orbit*. 2018 Apr;37(2):110-114. doi: 10.1080/01676830.2017.1383462. Epub 2017 Oct 20. PubMed PMID: 29053047.

39: Holyk A, Belden V, Lee JJ, Musick W, Keul R, Britz GW, Lin J. Ceftazidime/avibactam use for carbapenem-resistant *Klebsiella pneumoniae* meningitis: a case report. *J Antimicrob Chemother*. 2018 Jan 1;73(1):254-256. doi: 10.1093/jac/dkx358. PubMed PMID: 29040635.

40: Zhang X, Kim D, Shen S, Yuan P, Liu S, Tang Z, Zhang G, Zhou X, Gateno J, Liebschner MAK, Xia JJ. An eFTD-VP framework for efficiently generating patient-specific anatomically detailed facial soft tissue FE mesh for craniomaxillofacial surgery simulation. *Biomech Model Mechanobiol*. 2018 Apr;17(2):387-402. doi: 10.1007/s10237-017-0967-6. Epub 2017 Oct 12. PubMed PMID: 29027022; PubMed Central PMCID: PMC5845478.

41: Dabus G, Brinjikji W, Amar AP, Delgado Almandoz JE, Diaz OM, Jabbour P, Hanel R, Hui F, Kelly M, Layton KF, Miller JW, Levy EI, Moran CJ, Suh DC, Woo H, Sellar R, Hoh B, Evans A, Kallmes DF. Angiographic and clinical outcomes of balloon remodeling versus unassisted coil embolization in the ruptured aneurysm cohort of the GEL THE NEC study. *J Neurointerv Surg*. 2018 May;10(5):446-450. doi: 10.1136/neurintsurg-2017-013326. Epub 2017 Aug 18. PubMed PMID: 28821627.

42: Chamberlain PD, Sadaka A, Berry S, Lee AG. Intermittent mydriasis associated with carotid

vascular occlusion. *Eye (Lond)*. 2018 Feb;32(2):457-459. doi: 10.1038/eye.2017.127. Epub 2017 Aug 11. PubMed PMID: 28799558; PubMed Central PMCID: PMC5811688.

43: Nilewski LG, Singh M, Baskin DS, Tour JM, Sharpe MA. Transfer of Dyes and Drugs into Cells Using EGFR-Targeted Nanosyringes. *ACS Chem Neurosci*. 2018 Jan 17;9(1):107-117. doi: 10.1021/acscchemneuro.7b00138. Epub 2017 Aug 14. PubMed PMID: 28753296.

44: Huang M, Barber SM, Steele WJ 3rd, Boghani Z, Desai VR, Britz GW, West GA, Trask TW, Holman PJ. Videoexoscopic real-time intraoperative navigation for spinal neurosurgery: a novel co-adaptation of two existing technology platforms, technical note. *J Robot Surg*. 2018 Jun;12(2):251-255. doi: 10.1007/s11701-017-0721-1. Epub 2017 Jun 27. PubMed PMID: 28656505.

45: Golanov EV, Bovshik EI, Wong KK, Pautler RG, Foster CH, Federley RG, Zhang JY, Mancuso J, Wong ST, Britz GW. Subarachnoid hemorrhage - Induced block of cerebrospinal fluid flow: Role of brain coagulation factor III (tissue factor). *J Cereb Blood Flow Metab*. 2018 May;38(5):793-808. doi: 10.1177/0271678x17701157. Epub 2017 Mar 28. PubMed PMID: 28350198; PubMed Central PMCID: PMC5987942.

46: Subirà O, Muñoz S, Sánchez JJ, Puyalto P, Lee AG. Painless bilateral visual loss in a 33-year-old woman with severe arterial hypotension. *Surv Ophthalmol*. 2018 Jan - Feb;63(1):125-131. doi: 10.1016/j.survophthal.2017.03.001. Epub 2017 Mar 16. PubMed PMID: 28322870.

3,109 cranial operations were performed at [Houston](#) Methodist Hospital (Texas Medical Center campus) between January 2009 and December 2013. Of these, 59 cases required a second operation for evacuation of an [Postoperative intracranial hemorrhage](#). The information gathered included the patients' age, gender, past medical history, medications and laboratory data, initial diagnosis, date/type of first and second operations, duration of hospitalization, discharge condition, and discharge destination.

The study found a 1.90% rate of a postoperative hemorrhage significant enough to require evacuation after a cranial operation. The average age in the cohort requiring reoperation was 63 +/- 14 years with 42 male and 17 female. Hematoma evacuations were performed at various time intervals depending on the pathology treated at the initial operation. The time to second operation was 2.7 days after intraparenchymal hematoma evacuation, 6.0 days after cerebrovascular surgery, 6.2 days after tumor surgery and 9.7 days after [subdural hematoma](#) evacuation. The rate of postoperative hematoma development was 9.1% after a subdural hematoma evacuation, while it was only 1.1% in all other operations. Overall, those requiring hematoma evacuation had a 15% mortality rate, 64% were non-ambulatory, and 54% were discharged to long-term acute care facility, skilled nursing facility, rehabilitation facility or hospice.

Neurological outcomes were poor in patients who underwent a cranial operation and required a second operation to remove a hematoma. This study suggests close observation of elderly males after a cranial operation, especially after subdural hematoma evacuation, and longer observation time for patients undergoing subdural hematoma evacuation than intraparenchymal hematoma evacuation, tumor surgery or cerebrovascular surgery ³⁾.

1)

Patel R, Muir M, Cvetkovic C, Krencik R. Concepts towards directing human astroplasticity to promote neuroregeneration. *Dev Dyn*. 2018 Jul 17. doi: 10.1002/dvdy.24655. [Epub ahead of print] Review. PubMed PMID: 30016584.

2)

Lv N, Karmonik C, Chen S, Wang X, Fang Y, Huang Q, Liu J. Relationship Between Aneurysm Wall Enhancement in Vessel Wall Magnetic Resonance Imaging and Rupture Risk of Unruptured Intracranial Aneurysms. *Neurosurgery*. 2018 Jul 13. doi: 10.1093/neuros/nyy310. [Epub ahead of print] PubMed PMID: 30011026.

3)

Desai VR, Grossman R, Sparrow H. Incidence of Intracranial Hemorrhage After a Cranial Operation. *Cureus*. 2016 May 20;8(5):e616. doi: 10.7759/cureus.616. PubMed PMID: 27382524.

From:

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

Permanent link:

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

Last update: **2024/06/07 02:52**

