

Alfredo Quiñones Hinojosa

Alfredo Quiñones-Hinojosa (also known as “Dr. Q”) is a neurosurgeon, author, and researcher. Currently, he is the William J. and Charles H. Mayo Professor and Chair of Neurologic Surgery and runs a basic science research lab at the [Mayo Clinic Jacksonville](#) in [Florida](#). In recognition of his work, Dr. Quiñones-Hinojosa has received many awards and honors, including being named as one of the 100 most influential Hispanics in the U.S. by Hispanic Business Journal in 2008; as 2014 Neurosurgeon of the Year by Voices Against Brain Cancer, where he was also recognized with the Gary Lichtenstein Humanitarian Award; and by the 2015 Forbes magazine as one of Mexico’s most brilliant minds in the world.

In addition, he is an editorial board member and reviewer for several prominent publications. Most notably, Dr. Quiñones-Hinojosa is the editor-in-chief for one of the most well-respected and widely read operative neurosurgical textbooks in the world – Schmidek and Sweet’s Operative Neurosurgical Techniques (6th edition). As well, he is one of the authors for Controversies in Neuro-Oncology, which was awarded first prize by the British Medical Association. Dr. Quiñones-Hinojosa also has published an autobiography, *Becoming Dr. Q*, about his journey from migrant farm worker to neurosurgeon, and recently Disney with Plan B Entertainment productions announced that his inspirational life story is going to be featured in a movie.

Dr. Quiñones-Hinojosa is co-founder and serves as president of Mission: BRAIN, Bridging Resources and Advancing International Neurosurgery, a 501 nonprofit foundation.

Lu VM, Goyal A, Quinones-Hinojosa A, Chaichana KL. [Updated incidence of neurological deficits following insular glioma resection: A systematic review and meta-analysis](#). Clin Neurol Neurosurg. 2018 Dec 17;177:20-26. doi: 10.1016/j.clineuro.2018.12.013. [Epub ahead of print] Review. PubMed PMID: 30580067.

2: Diaz-Aguilar D, ReFaey K, Clifton W, Durcanova B, Chen SG, Deen HG, Bydon M, Trifiletti DM, Pichelmann MA, Quiñones-Hinojosa A. Prognostic factors and survival in Low-grade gliomas of the spinal cord: A population-based analysis from 2006 to 2012. J Clin Neurosci. 2018 Dec 5. pii: S0967-5868(18)31244-X. doi: 10.1016/j.jocn.2018.11.025. [Epub ahead of print] PubMed PMID: 30528541.

3: Lu VM, Goyal A, Lee A, Jentoft M, Quinones-Hinojosa A, Chaichana KL. The prognostic significance of TERT promoter mutations in meningioma: a systematic review and meta-analysis. J Neurooncol. 2018 Dec 1. doi: 10.1007/s11060-018-03067-x. [Epub ahead of print] Review. PubMed PMID: 30506498.

4: Jiang S, Eberhart CG, Lim M, Heo HY, Zhang Y, Blair L, Wen Z, Holdhoff M, Lin D, Huang P, Qin H, Quinones-Hinojosa A, Weingart JD, Barker PB, Pomper MG, Laterra J, van Zijl PCM, Blakeley JO, Zhou J. Identifying Recurrent Malignant Glioma after Treatment Using Amide Proton Transfer-Weighted MR Imaging: A Validation Study with Image-Guided Stereotactic Biopsy. Clin Cancer Res. 2018 Oct 26. doi: 10.1158/1078-0432.CCR-18-1233. [Epub ahead of print] PubMed PMID: 30366937.

5: Mahato D, De Biase G, Ruiz-Garcia HJ, Grover S, Rosenfeld S, Quiñones-Hinojosa A, Trifiletti DM. Impact of facility type and volume on post-surgical outcomes following diagnosis of WHO grade II glioma. J Clin Neurosci. 2018 Dec;58:34-41. doi: 10.1016/j.jocn.2018.10.078. Epub 2018 Oct 23. PubMed PMID: 30366782.

- 6: Chava R, Zviman M, Assis FR, Raghavan MS, Halperin H, Maqbool F, Geocadin R, Quinones-Hinojosa A, Kolandaivelu A, Rosen BA, Tandri H. Effect of High Flow Transnasal Dry Air on Core Body Temperature in Intubated Human Subjects. *Resuscitation*. 2018 Oct 22. pii: S0300-9572(18)31015-3. doi: 10.1016/j.resuscitation.2018.10.020. [Epub ahead of print] PubMed PMID: 30359664.
- 7: Al-Kharboosh R, Lara-Velazquez M, Prieto L, Sarabia-Estrada R, Quiñones-Hinojosa A. The Study of Brain Tumor Stem Cell Invasion. *Methods Mol Biol*. 2019;1869:105-116. doi: 10.1007/978-1-4939-8805-1_10. PubMed PMID: 30324518.
- 8: Lara-Velazquez M, Al-Kharboosh R, Prieto L, Schiapparelli P, Quiñones-Hinojosa A. The Study of Brain Tumor Stem Cell Migration. *Methods Mol Biol*. 2019;1869:93-104. doi: 10.1007/978-1-4939-8805-1_9. PubMed PMID: 30324517.
- 9: Pamas-Portalatin E, Duran IS, Ebot J, Bojaxhi E, Tatum W, Quiñones-Hinojosa A. Awake-craniotomy for cavernoma resection. *Neurosurg Focus*. 2018 Oct;45(VideoSuppl2):V3. doi: 10.3171/2018.10.FocusVid.18201. PubMed PMID: 30269557.
- 10: Lehrer EJ, Peterson J, Brown PD, Sheehan JP, Quiñones-Hinojosa A, Zaorsky NG, Trifiletti DM. Treatment of brain metastases with stereotactic radiosurgery and immune checkpoint inhibitors: An international meta-analysis of individual patient data. *Radiother Oncol*. 2018 Sep 18. pii: S0167-8140(18)33465-0. doi: 10.1016/j.radonc.2018.08.025. [Epub ahead of print] PubMed PMID: 30241791.
- 11: Vivas-Buitrago T, Pinilla-Monsalve G, Jusué-Torres I, Oishi K, Robison J, Crawford JA, Pletnikov M, Xu J, Baledént O, Lokossou A, Hung AL, Blitz AM, Lu J, Herzka DA, Guerrero-Cazares H, Oishi K, Mori S, Quiñones-Hinojosa A, Rigamonti D. Ventricular Volume Dynamics During the Development of Adult Chronic Communicating Hydrocephalus in a Rodent Model. *World Neurosurg*. 2018 Dec;120:e1120-e1127. doi: 10.1016/j.wneu.2018.08.241. Epub 2018 Sep 11. PubMed PMID: 30217783.
- 12: Murguía-Fuentes R, Husein N, Vega A, Rangel-Castilla L, Rotta JM, Quinones-Hinojosa A, Guinto G, Esquenazi Y. Neurosurgical Residency Training in Latin America: Current Status, Challenges, and Future Opportunities. *World Neurosurg*. 2018 Dec;120:e1079-e1097. doi: 10.1016/j.wneu.2018.08.232. Epub 2018 Sep 11. PubMed PMID: 30213681.
- 13: Valentín-Guillama G, López S, Kucheryavykh YV, Chorna NE, Pérez J, Ortiz-Rivera J, Inyushin M, Makarov V, Valentín-Acevedo A, Quinones-Hinojosa A, Boukli N, Kucheryavykh LY. HIV-1 Envelope Protein gp120 Promotes Proliferation and the Activation of Glycolysis in Glioma Cell. *Cancers (Basel)*. 2018 Sep 1;10(9). pii: E301. doi: 10.3390/cancers10090301. PubMed PMID: 30200472; PubMed Central PMCID: PMC6162763.
- 14: Tatum WO 4th, Quinones-Hinojosa A. Onco-Epilepsy: More Than Tumor and Seizures. *Mayo Clin Proc*. 2018 Sep;93(9):1181-1184. doi: 10.1016/j.mayocp.2018.06.019. Epub 2018 Aug 10. PubMed PMID: 30104043.
- 15: ReFaey K, Tripathi S, Yoon JW, Justice J, Kerezoudis P, Parney IF, Bendok BR, Chaichana KL, Quiñones-Hinojosa A. The reliability of YouTube videos in patients education for Glioblastoma Treatment. *J Clin Neurosci*. 2018 Sep;55:1-4. doi: 10.1016/j.jocn.2018.07.001. Epub 2018 Jul 31. Review. PubMed PMID: 30075980.
- 16: Mampre D, Ehresman J, Pinilla-Monsalve G, Osorio MAG, Olivi A, Quinones-Hinojosa A, Chaichana KL. Extending the resection beyond the contrast-enhancement for glioblastoma: feasibility, efficacy, and outcomes. *Br J Neurosurg*. 2018 Oct;32(5):528-535. doi: 10.1080/02688697.2018.1498450. Epub 2018 Aug 3. PubMed PMID: 30073866.

- 17: Kim J, Shamul JG, Shah SR, Shin A, Lee BJ, Quinones-Hinojosa A, Green JJ. Verteporfin-Loaded Poly(ethylene glycol)-Poly(beta-amino ester)-Poly(ethylene glycol) Triblock Micelles for Cancer Therapy. *Biomacromolecules*. 2018 Aug 13;19(8):3361-3370. doi: 10.1021/acs.biomac.8b00640. Epub 2018 Jul 23. PubMed PMID: 29940101; PubMed Central PMCID: PMC6249031.
- 18: Yoon JW, Richter K, Vivas-Buitrago T, Kim EJ, Chen RE, Quinones-Hinojosa A, Diaz-Gomez JL, Clendenen SR. Technical Feasibility and Safety of Ultrasound-Guided Supraclavicular Nerve Block With Assistance of a Wearable Head-up Display. *Reg Anesth Pain Med*. 2018 Jul;43(5):559-561. doi: 10.1097/AAP.0000000000000803. PubMed PMID: 29927851.
- 19: Dutta SW, Peterson JL, Vallow LA, Mahajan A, Rosenfeld SS, Quiñones-Hinojosa A, Trifiletti DM. National care among patients with WHO grade I intracranial meningioma. *J Clin Neurosci*. 2018 Sep;55:17-24. doi: 10.1016/j.jocn.2018.06.026. Epub 2018 Jun 15. PubMed PMID: 29910033.
- 20: Ganaha S, Grewal SS, Cheshire WP, Reimer R, Quiñones-Hinojosa A, Wharen RE. Surgical treatment of bilateral glossopharyngeal neuralgia. *Int J Neurosci*. 2018 Oct 30:1-3. doi: 10.1080/00207454.2018.1486308. [Epub ahead of print] PubMed PMID: 29888997.
- 21: Leon-Ariza DS, Leon-Ariza JS, Nangiana J, Vargas Grau G, Leon-Sarmiento FE, Quiñones-Hinojosa A. Evidences in Neurological Surgery and a Cutting Edge Classification of the Trigemino-cardiac Reflex: A Systematic Review. *World Neurosurg*. 2018 Sep;117:4-10. doi: 10.1016/j.wneu.2018.05.208. Epub 2018 Jun 5. Review. PubMed PMID: 29883819.
- 22: Ehresman JS, Mampre D, Rogers D, Olivi A, Quinones-Hinojosa A, Chaichana KL. Volumetric tumor growth rates of meningiomas involving the intracranial venous sinuses. *Acta Neurochir (Wien)*. 2018 Aug;160(8):1531-1538. doi: 10.1007/s00701-018-3571-3. Epub 2018 Jun 4. PubMed PMID: 29869111.
- 23: Eseonu CI, ReFaey K, Garcia O, Salvatori R, Quinones-Hinojosa A. Comparative Cost Analysis of Endoscopic versus Microscopic Endonasal Transsphenoidal Surgery for pituitary neuroendocrine tumors. *J Neurol Surg B Skull Base*. 2018 Apr;79(2):131-138. doi: 10.1055/s-0037-1604484. Epub 2017 Aug 8. PubMed PMID: 29868317; PubMed Central PMCID: PMC5978862.
- 24: Wei S, Wang J, Oyinlade O, Ma D, Wang S, Kratz L, Lal B, Xu Q, Liu S, Shah SR, Zhang H, Li Y, Quiñones-Hinojosa A, Zhu H, Huang ZY, Cheng L, Qian J, Xia S. Heterozygous IDH1(R132H/WT) created by "single base editing" inhibits human astroglial cell growth by downregulating YAP. *Oncogene*. 2018 Sep;37(38):5160-5174. doi: 10.1038/s41388-018-0334-9. Epub 2018 May 30. PubMed PMID: 29849122.
- 25: Yoon JW, Chen RE, Kim EJ, Akinduro OO, Kerezoudis P, Han PK, Si P, Freeman WD, Diaz RJ, Komotar RJ, Pirris SM, Brown BL, Bydon M, Wang MY, Wharen RE Jr, Quinones-Hinojosa A. Augmented reality for the surgeon: Systematic review. *Int J Med Robot*. 2018 Aug;14(4):e1914. doi: 10.1002/rcs.1914. Epub 2018 Apr 30. Review. PubMed PMID: 29708640.
- 26: Dutta SW, Kaleem TA, Muller DA, Peterson J, Harrell AC, Quinones-Hinojosa A, Trifiletti DM. Central neurocytoma: Clinical characteristics, patterns of care, and survival. *J Clin Neurosci*. 2018 Jul;53:106-111. doi: 10.1016/j.jocn.2018.04.015. Epub 2018 Apr 20. PubMed PMID: 29685410.
- 27: Trifiletti DM, Xu Z, Dutta SW, Quiñones-Hinojosa A, Peterson J, Vance ML, Sheehan JP. Endocrine Remission After Pituitary Stereotactic Radiosurgery: Differences in Rates of Response for Matched Cohorts of Cushing Disease and Acromegaly Patients. *Int J Radiat Oncol Biol Phys*. 2018 Jul 1;101(3):610-617. doi: 10.1016/j.ijrobp.2018.02.023. Epub 2018 Feb 20. PubMed PMID: 29678528.
- 28: Ganaha S, Lara-Velazquez M, Yoon JW, Akinduro OO, Clendenen SR, Murray PM, Pichelmann MA,

- Quinones-Hinojosa A, Deen HG. Challenges of Managing Patients with Symptomatic Large Traumatic Cervical Pseudomeningoceles. *World Neurosurg.* 2018 Jul;115:128-133. doi: 10.1016/j.wneu.2018.04.017. Epub 2018 Apr 11. PubMed PMID: 29654960.
- 29: Pendleton C, Belzberg AJ, Spinner RJ, Quinones-Hinojosa A. Harvey Cushing's management of neurogenic thoracic outlet syndrome. *J Neurosurg.* 2018 Apr 13:1-4. doi: 10.3171/2017.9.JNS17173. [Epub ahead of print] PubMed PMID: 29652235.
- 30: Grewal SS, Kerezoudis P, Garcia O, Quinones-Hinojosa A, Reimer R, Wharen RE. Results of Percutaneous Balloon Compression in Trigeminal Pain Syndromes. *World Neurosurg.* 2018 Jun;114:e892-e899. doi: 10.1016/j.wneu.2018.03.111. Epub 2018 Mar 23. PubMed PMID: 29581020.
- 31: Feyissa AM, Worrell GA, Tatum WO, Mahato D, Brinkmann BH, Rosenfeld SS, ReFaey K, Bechtle PS, Quinones-Hinojosa A. High-frequency oscillations in awake patients undergoing brain tumor-related epilepsy surgery. *Neurology.* 2018 Mar 27;90(13):e1119-e1125. doi: 10.1212/WNL.0000000000005216. Epub 2018 Feb 28. PubMed PMID: 29490917; PubMed Central PMCID: PMC5880636.
- 32: Lee KJ, Marchan E, Peterson J, Harrell AC, Quinones-Hinojosa A, Brown PD, Trifiletti DM. Management and Survival of Adult Patients with Pilocytic Astrocytoma in the National Cancer Database. *World Neurosurg.* 2018 Apr;112:e881-e887. doi: 10.1016/j.wneu.2018.01.208. Epub 2018 Feb 8. PubMed PMID: 29427814.
- 33: Chaichana KL, Vivas-Buitrago T, Jackson C, Ehresman J, Olivi A, Bettgowda C, Quinones-Hinojosa A. The Radiographic Effects of Surgical Approach and Use of Retractors on the Brain After Anterior Cranial Fossa Meningioma Resection. *World Neurosurg.* 2018 Apr;112:e505-e513. doi: 10.1016/j.wneu.2018.01.069. Epub 2018 Jan 31. PubMed PMID: 29367000.
- 34: Eseonu CI, ReFaey K, Pamiás-Portalatin E, Asensio J, Garcia O, Boahene KD, Quiñones-Hinojosa A. Three-Hand Endoscopic Endonasal Transsphenoidal Surgery: Experience With an Anatomy-Preserving Mononostrial Approach Technique. *Oper Neurosurg (Hagerstown).* 2018 Feb 1;14(2):158-165. doi: 10.1093/ons/opx110. PubMed PMID: 29351688.
- 35: Eseonu CI, Rincon-Torroella J, Lee YM, ReFaey K, Tripathi P, Quinones-Hinojosa A. Intraoperative Seizures in Awake Craniotomy for Periolandic Glioma Resections That Undergo Cortical Mapping. *J Neurol Surg A Cent Eur Neurosurg.* 2018 May;79(3):239-246. doi: 10.1055/s-0037-1617759. Epub 2018 Jan 18. PubMed PMID: 29346829.
- 36: Lara-Velazquez M, Al-Kharboosh R, Jeanneret S, Vazquez-Ramos C, Mahato D, Tavanaiepour D, Rahmathulla G, Quinones-Hinojosa A. Advances in Brain Tumor Surgery for Glioblastoma in Adults. *Brain Sci.* 2017 Dec 20;7(12). pii: E166. doi: 10.3390/brainsci7120166. Review. PubMed PMID: 29261148; PubMed Central PMCID: PMC5742769.
- 37: Mahato D, Vivas-Buitrago T, Gassie K, Jentoft M, Tavanaiepour D, Quiñones-Hinojosa A. Intracranial melanotic schwannomas: a rare variant with unusual adherent features. *J Neurooncol.* 2018 Jan;136(2):299-306. doi: 10.1007/s11060-017-2653-z. Epub 2017 Nov 2. PubMed PMID: 29098570.
- 38: Sener U, Tatum WO, Quinones-Hinojosa A, Mahato D, Feyissa AM. Paroxysmal dysphasia in a 68 year-old man: Enhancing the MRI spectrum! *Epilepsy Behav Case Rep.* 2017 Sep 11;8:96-99. doi: 10.1016/j.ebcr.2017.08.005. eCollection 2017. PubMed PMID: 29062690; PubMed Central PMCID: PMC5645166.

- 39: Shah SR, David JM, Tippens ND, Mohyeldin A, Martinez-Gutierrez JC, Ganaha S, Schiapparelli P, Hamilton DH, Palena C, Levchenko A, Quiñones-Hinojosa A. Brachyury-YAP Regulatory Axis Drives Stemness and Growth in Cancer. *Cell Rep.* 2017 Oct 10;21(2):495-507. doi: 10.1016/j.celrep.2017.09.057. PubMed PMID: 29020634; PubMed Central PMCID: PMC5637538.
- 40: Akinduro OO, Mbabuike N, ReFaey K, Yoon JW, Clifton WE, Brown B, Wharen RE, Quinones-Hinojosa A, Tawk RG. Microsphere Embolization of Hypervascular Posterior Fossa Tumors. *World Neurosurg.* 2018 Jan;109:182-187. doi: 10.1016/j.wneu.2017.09.147. Epub 2017 Oct 3. PubMed PMID: 28986231.
- 41: Adam A, Robison J, Lu J, Jose R, Badran N, Vivas-Buitrago T, Rigamonti D, Sattar A, Omoush O, Hammad M, Dawood M, Maghaslah M, Belcher T, Carson K, Hoffberger J, Jusué Torres I, Foley S, Yasar S, Thai QA, Wemmer J, Klinge P, Al-Mutawa L, Al-Ghamdi H, Carson KA, Asgari M, de Zélicourt D, Kurtcuoglu V, Garnotel S, Salmon S, Balédent O, Lokossou A, Page G, Balardy L, Czosnyka Z, Payoux P, Schmidt EA, Zitoun M, Sevestre MA, Alperin N, Baudracco I, Craven C, Matloob S, Thompson S, Haylock Vize P, Thorne L, Watkins LD, Toma AK, Bechter K, Pong AC, Jugé L, Bilston LE, Cheng S, Bradley W, Hakim F, Ramón JF, Cárdenas MF, Davidson JS, García C, González D, Bermúdez S, Useche N, Mejía JA, Mayorga P, Cruz F, Martinez C, Matiz MC, Vallejo M, Ghotme K, Soto HA, Riveros D, Buitrago A, Mora M, Murcia L, Bermudez S, Cohen D, Dasgupta D, Curtis C, Domínguez L, Remolina AJ, Grijalba MA, Whitehouse KJ, Edwards RJ, Eleftheriou A, Lundin F, Fountas KN, Kapsalaki EZ, Smisson HF, Robinson JS, Fritsch MJ, Arouk W, Garzon M, Kang M, Sandhu K, Baghawatti D, Aquilina K, James G, Thompson D, Gehlen M, Schmid Daners M, Eklund A, Malm J, Gomez D, Guerra M, Jara M, Flores M, Vío K, Moreno I, Rodríguez S, Ortega E, Rodríguez EM, McAllister JP, Guerra MM, Morales DM, Sival D, Jimenez A, Limbrick DD, Ishikawa M, Yamada S, Yamamoto K, Junkkari A, Häyrinen A, Rauramaa T, Sintonen H, Nerg O, Koivisto AM, Roine RP, Viinamäki H, Soinen H, Luikku A, Jääskeläinen JE, Leinonen V, Kehler U, Lilja-Lund O, Kockum K, Larsson EM, Riklund K, Söderström L, Hellström P, Laurell K, Kojoukhova M, Sutela A, Vanninen R, Vanha KI, Timonen M, Rummukainen J, Korhonen V, Helisalmi S, Solje E, Remes AM, Huovinen J, Paananen J, Hiltunen M, Kurki M, Martin B, Loth F, Luciano M, Luikku AJ, Hall A, Herukka SK, Mattila J, Lötjönen J, Alafuzoff I, Jurjević I, Miyajima M, Nakajima M, Murai H, Shin T, Kawaguchi D, Akiba C, Ogino I, Karagiozov K, Arai H, Reis RC, Teixeira MJ, Valêncio CG, da Vigua D, Almeida-Lopes L, Mancini MW, Pinto FCG, Maykot RH, Calia G, Tornai J, Silvestre SSS, Mendes G, Sousa V, Bezerra B, Dutra P, Modesto P, Oliveira MF, Petitto CE, Pulhorn H, Chandran A, McMahon C, Rao AS, Jumaly M, Solomon D, Moghekar A, Relkin N, Hamilton M, Katzen H, Williams M, Bach T, Zusan S, Holubkov R, Rigamonti A, Clemens G, Sharkey P, Sanyal A, Sankey E, Rigamonti K, Naqvi S, Hung A, Schmidt E, Ory-Magne F, Gantet P, Guenego A, Januel AC, Tall P, Fabre N, Mahieu L, Cognard C, Gray L, Buttner-Ennever JA, Takagi K, Onouchi K, Thompson SD, Thorne LD, Tully HM, Wenger TL, Kukull WA, Doherty D, Dobyens WB, Moran D, Vakili S, Patel MA, Elder B, Goodwin CR, Crawford JA, Pletnikov MV, Xu J, Blitz A, Herzka DA, Guerrero-Cazares H, Quiñones-Hinojosa A, Mori S, Saavedra P, Treviño H, Maitani K, Ziai WC, Eslami V, Nekoovaght-Tak S, Dlugash R, Yenokyan G, McBee N, Hanley DF. Abstracts from Hydrocephalus 2016. *Fluids Barriers CNS.* 2017 Jun 7;14(Suppl 1):15. doi: 10.1186/s12987-017-0054-5. PubMed PMID: 28929972; PubMed Central PMCID: PMC5471936.
- 42: Hua J, Miao X, Agarwal S, Bettgowda C, Quiñones-Hinojosa A, Laterra J, Van Zijl PCM, Pekar JJ, Pillai JJ. Language Mapping Using T2-Prepared BOLD Functional MRI in the Presence of Large Susceptibility Artifacts-Initial Results in Patients With Brain Tumor and Epilepsy. *Tomography.* 2017 Jun;3(2):105-113. doi: 10.18383/j.tom.2017.00006. PubMed PMID: 28804779; PubMed Central PMCID: PMC5552052.
- 43: Jiang S, Eberhart CG, Zhang Y, Heo HY, Wen Z, Blair L, Qin H, Lim M, Quinones-Hinojosa A, Weingart JD, Barker PB, Pomper MG, Laterra J, van Zijl PCM, Blakeley JO, Zhou J. Amide proton transfer-weighted magnetic resonance image-guided stereotactic biopsy in patients with newly

- diagnosed gliomas. *Eur J Cancer*. 2017 Sep;83:9-18. doi: 10.1016/j.ejca.2017.06.009. Epub 2017 Jul 10. PubMed PMID: 28704644; PubMed Central PMCID: PMC5572540.
- 44: Schiapparelli P, Guerrero-Cazares H, Magaña-Maldonado R, Hamilla SM, Ganaha S, Goulin Lippi Fernandes E, Huang CH, Aranda-Espinoza H, Devreotes P, Quinones-Hinojosa A. NKCC1 Regulates Migration Ability of Glioblastoma Cells by Modulation of Actin Dynamics and Interacting with Cofilin. *EBioMedicine*. 2017 Jul;21:94-103. doi: 10.1016/j.ebiom.2017.06.020. Epub 2017 Jun 21. PubMed PMID: 28679472; PubMed Central PMCID: PMC5514434.
- 45: Eseonu CI, Eguia F, Garcia O, Kaplan PW, Quiñones-Hinojosa A. Comparative analysis of monotherapy versus duotherapy antiseizure drug management for postoperative seizure control in patients undergoing an awake craniotomy. *J Neurosurg*. 2018 Jun;128(6):1661-1667. doi: 10.3171/2017.1.JNS162913. Epub 2017 Jun 16. PubMed PMID: 28621631.
- 46: Sarabia-Estrada R, Ruiz-Valls A, Shah SR, Ahmed AK, Ordonez AA, Rodriguez FJ, Guerrero-Cazares H, Jimenez-Estrada I, Velarde E, Tyler B, Li Y, Phillips NA, Goodwin CR, Petteys RJ, Jain SK, Gallia GL, Gokaslan ZL, Quinones-Hinojosa A, Sciubba DM. Effects of primary and recurrent sacral chordoma on the motor and nociceptive function of hindlimbs in rats: an orthotopic spine model. *J Neurosurg Spine*. 2017 Aug;27(2):215-226. doi: 10.3171/2016.12.SPINE16917. Epub 2017 Jun 9. PubMed PMID: 28598292.
- 47: Huang YJ, Schiapparelli P, Kozielski K, Green J, Lavell E, Guerrero-Cazares H, Quinones-Hinojosa A, Searson P. Electrophoresis of cell membrane heparan sulfate regulates galvanotaxis in glial cells. *J Cell Sci*. 2017 Aug 1;130(15):2459-2467. doi: 10.1242/jcs.203752. Epub 2017 Jun 8. PubMed PMID: 28596239; PubMed Central PMCID: PMC5558272.
- 48: Diaz R, Yoon J, Chen R, Quinones-Hinojosa A, Wharen R, Komotar R. Real-time Video-Streaming to Surgical Loupe Mounted Head-Up Display for Navigated Meningioma Resection. *Turk Neurosurg*. 2017 Apr 30. doi: 10.5137/1019-5149.JTN.20388-17.1. [Epub ahead of print] PubMed PMID: 28585674.
- 49: Chakroun RW, Zhang P, Lin R, Schiapparelli P, Quinones-Hinojosa A, Cui H. Nanotherapeutic systems for local treatment of brain tumors. *Wiley Interdiscip Rev Nanomed Nanobiotechnol*. 2018 Jan;10(1). doi: 10.1002/wnan.1479. Epub 2017 May 24. Review. PubMed PMID: 28544801; PubMed Central PMCID: PMC5701865.
- 50: Eseonu CI, ReFaey K, Garcia O, John A, Quiñones-Hinojosa A, Tripathi P. Awake Craniotomy Anesthesia: A Comparison of the Monitored Anesthesia Care and Asleep-Awake-Asleep Techniques. *World Neurosurg*. 2017 Aug;104:679-686. doi: 10.1016/j.wneu.2017.05.053. Epub 2017 May 19. PubMed PMID: 28532922.
- 51: Eseonu CI, Eguia F, ReFaey K, Garcia O, Rodriguez FJ, Chaichana K, Quinones-Hinojosa A. Comparative volumetric analysis of the [extent of resection](#) of molecularly and histologically distinct Low-grade gliomas and its role on survival. *J Neurooncol*. 2017 Aug;134(1):65-74. doi: 10.1007/s11060-017-2486-9. Epub 2017 May 19. PubMed PMID: 28527004.
- 52: Yoon JW, Chen RE, ReFaey K, Diaz RJ, Reimer R, Komotar RJ, Quinones-Hinojosa A, Brown BL, Wharen RE. Technical feasibility and safety of image-guided parieto-occipital ventricular catheter placement with the assistance of a wearable head-up display. *Int J Med Robot*. 2017 Dec;13(4). doi: 10.1002/rcs.1836. Epub 2017 May 19. PubMed PMID: 28524449.
- 53: Lara-Velazquez M, Akinduro OO, Reimer R, Woodmansee WW, Quinones-Hinojosa A. Stem cell therapy and its potential role in pituitary disorders. *Curr Opin Endocrinol Diabetes Obes*. 2017 Aug;24(4):292-300. doi: 10.1097/MED.000000000000346. Review. PubMed PMID: 28520591.

- 54: Wilson DR, Routkevitch D, Rui Y, Mosenia A, Wahlin KJ, Quinones-Hinojosa A, Zack DJ, Green JJ. A Triple-Fluorophore-Labeled Nucleic Acid pH Nanosensor to Investigate Non-viral Gene Delivery. *Mol Ther.* 2017 Jul 5;25(7):1697-1709. doi: 10.1016/j.ymthe.2017.04.008. Epub 2017 May 4. PubMed PMID: 28479046; PubMed Central PMCID: PMC5498830.
- 55: Sarabia-Estrada R, Ruiz-Valls A, Guerrero-Cazares H, Ampuero AM, Jimenez-Estrada I, De Silva S, Bernhardt LJ, Goodwin CR, Ahmed AK, Li Y, Phillips NA, Gokaslan ZL, Quiñones-Hinojosa A, Sciubba DM. Metastatic human breast cancer to the spine produces mechanical hyperalgesia and gait deficits in rodents. *Spine J.* 2017 Sep;17(9):1325-1334. doi: 10.1016/j.spinee.2017.04.009. Epub 2017 Apr 13. PubMed PMID: 28412561; PubMed Central PMCID: PMC5628502.
- 56: Eseonu CI, ReFaey K, Garcia O, Raghuraman G, Quinones-Hinojosa A. Volumetric Analysis of Extent of Resection, Survival, and Surgical Outcomes for Insular Gliomas. *World Neurosurg.* 2017 Jul;103:265-274. doi: 10.1016/j.wneu.2017.04.002. Epub 2017 Apr 10. PubMed PMID: 28408263.
- 57: Guerrero-Cazares H, Lavell E, Chen L, Schiapparelli P, Lara-Velazquez M, Capilla-Gonzalez V, Clements AC, Drummond G, Noiman L, Thaler K, Burke A, Quiñones-Hinojosa A. Brief Report: Robo1 Regulates the Migration of Human Subventricular Zone Neural Progenitor Cells During Development. *Stem Cells.* 2017 Jul;35(7):1860-1865. doi: 10.1002/stem.2628. Epub 2017 Apr 24. PubMed PMID: 28406573; PubMed Central PMCID: PMC5484745.
- 58: Tzeng SY, Wilson DR, Hansen SK, Quiñones-Hinojosa A, Green JJ. Polymeric nanoparticle-based delivery of TRAIL DNA for cancer-specific killing. *Bioeng Transl Med.* 2016 Jun;1(2):149-159. doi: 10.1002/btm2.10019. PubMed PMID: 28349127; PubMed Central PMCID: PMC5365091.
- 59: Eseonu CI, Rincon-Torroella J, ReFaey K, Quiñones-Hinojosa A. The Cost of Brain Surgery: Awake vs Asleep Craniotomy for Periolandic Region Tumors. *Neurosurgery.* 2017 Aug 1;81(2):307-314. doi: 10.1093/neuros/nyx022. PubMed PMID: 28327904.
- 60: Eseonu CI, Rincon-Torroella J, ReFaey K, Lee YM, Nangiana J, Vivas-Buitrago T, Quiñones-Hinojosa A. Awake Craniotomy vs Craniotomy Under General Anesthesia for Periolandic Gliomas: Evaluating Perioperative Complications and Extent of Resection. *Neurosurgery.* 2017 Sep 1;81(3):481-489. doi: 10.1093/neuros/nyx023. PubMed PMID: 28327900.
- 61: Yang JM, Schiapparelli P, Nguyen HN, Igarashi A, Zhang Q, Abbadi S, Amzel LM, Sesaki H, Quiñones-Hinojosa A, Iijima M. Characterization of PTEN mutations in brain cancer reveals that pten mono-ubiquitination promotes protein stability and nuclear localization. *Oncogene.* 2017 Jun 29;36(26):3673-3685. doi: 10.1038/onc.2016.493. Epub 2017 Mar 6. PubMed PMID: 28263967; PubMed Central PMCID: PMC5491373.
- 62: Wilson DR, Mosenia A, Suprenant MP, Upadhya R, Routkevitch D, Meyer RA, Quinones-Hinojosa A, Green JJ. Continuous microfluidic assembly of biodegradable poly(beta-amino ester)/DNA nanoparticles for enhanced gene delivery. *J Biomed Mater Res A.* 2017 Jun;105(6):1813-1825. doi: 10.1002/jbm.a.36033. Epub 2017 Apr 12. PubMed PMID: 28177587.
- 63: Quinones-Hinojosa A, Raza SM, Ahmed I, Rincon-Torroella J, Chaichana K, Olivi A. Middle Temporal Gyrus Versus Inferior Temporal Gyrus Transcortical Approaches to High-Grade Astrocytomas in the Mediobasal Temporal Lobe: A Comparison of Outcomes, Functional Restoration, and Surgical Considerations. *Acta Neurochir Suppl.* 2017;124:159-164. doi: 10.1007/978-3-319-39546-3_25. PubMed PMID: 28120069.
- 64: Quiñones-Hinojosa A, Raza SM, Lazaridis C, Olivi A. Olfactory Groove Meningiomas: Acute Presentation and Potential : Pitfalls in Management and Functional Restoration. *Acta Neurochir Suppl.*

2017;124:155-158. doi: 10.1007/978-3-319-39546-3_24. PubMed PMID: 28120068.

65: Li Y, Yang W, Quinones-Hinojosa A, Wang B, Xu S, Zhu W, Yu F, Yuan S, Lu P. Interference with Protease-activated Receptor 1 Alleviates Neuronal Cell Death Induced by Lipopolysaccharide-Stimulated Microglial Cells through the PI3K/Akt Pathway. *Sci Rep*. 2016 Dec 2;6:38247. doi: 10.1038/srep38247. PubMed PMID: 27910893; PubMed Central PMCID: PMC5133627.

66: Achanta P, Steranka JP, Tang Z, Rodić N, Sharma R, Yang WR, Ma S, Grivainis M, Huang CRL, Schneider AM, Gallia GL, Riggins GJ, Quinones-Hinojosa A, Fenyö D, Boeke JD, Burns KH. Somatic retrotransposition is infrequent in glioblastomas. *Mob DNA*. 2016 Nov 11;7:22. doi: 10.1186/s13100-016-0077-5. eCollection 2016. PubMed PMID: 27843500; PubMed Central PMCID: PMC5105304.

67: Jusué-Torres I, Jeon LH, Sankey EW, Lu J, Vivas-Buitrago T, Crawford JA, Pletnikov MV, Xu J, Blitz A, Herzka DA, Crain B, Hulbert A, Guerrero-Cazares H, Gonzalez-Perez O, McAllister JP 2nd, Quiñones-Hinojosa A, Rigamonti D. A Novel Experimental Animal Model of Adult Chronic Hydrocephalus. *Neurosurgery*. 2016 Nov;79(5):746-756. PubMed PMID: 27759679.

68: Kilic O, Pamies D, Lavell E, Schiapparelli P, Feng Y, Hartung T, Bal-Price A, Hogberg HT, Quinones-Hinojosa A, Guerrero-Cazares H, Levchenko A. Brain-on-a-chip model enables analysis of human neuronal differentiation and chemotaxis. *Lab Chip*. 2016 Oct 18;16(21):4152-4162. PubMed PMID: 27722368.

69: Eseonu CI, ReFaey K, Rincon-Torroella J, Garcia O, Wand GS, Salvatori R, Quinones-Hinojosa A. Endoscopic Versus Microscopic Transsphenoidal Approach for pituitary neuroendocrine tumors: Comparison of Outcomes During the Transition of Methods of a Single Surgeon. *World Neurosurg*. 2017 Jan;97:317-325. doi: 10.1016/j.wneu.2016.09.120. Epub 2016 Oct 11. PubMed PMID: 27742515.

70: Rahman M, Abbatematteo J, De Leo EK, Kubilis PS, Vaziri S, Bova F, Sayour E, Mitchell D, Quinones-Hinojosa A. The effects of new or worsened postoperative neurological deficits on survival of patients with glioblastoma. *J Neurosurg*. 2017 Jul;127(1):123-131. doi: 10.3171/2016.7.JNS16396. Epub 2016 Sep 30. PubMed PMID: 27689459.

71: Chava R, Zviman M, Raghavan MS, Halperin H, Maqbool F, Geocadin R, Quinones-Hinojosa A, Kolandaivelu A, Rosen BA, Tandri H. Rapid Induction of Therapeutic Hypothermia Using Transnasal High Flow Dry Air. *Ther Hypothermia Temp Manag*. 2017 Mar;7(1):50-56. doi: 10.1089/ther.2016.0016. Epub 2016 Sep 16. PubMed PMID: 27635468; PubMed Central PMCID: PMC5346959.

72: Michelson N, Rincon-Torroella J, Quiñones-Hinojosa A, Greenfield JP. Exploring the role of inflammation in the malignant transformation of low-grade gliomas. *J Neuroimmunol*. 2016 Aug 15;297:132-40. doi: 10.1016/j.jneuroim.2016.05.019. Epub 2016 May 25. Review. PubMed PMID: 27397086.

73: Salzberg SL, Breitwieser FP, Kumar A, Hao H, Burger P, Rodriguez FJ, Lim M, Quiñones-Hinojosa A, Gallia GL, Tornheim JA, Melia MT, Sears CL, Pardo CA. Next-generation sequencing in neuropathologic diagnosis of infections of the nervous system. *Neurol Neuroimmunol Neuroinflamm*. 2016 Jun 13;3(4):e251. doi: 10.1212/NXI.0000000000000251. eCollection 2016 Aug. PubMed PMID: 27340685; PubMed Central PMCID: PMC4907805.

74: Smith CL, Kilic O, Schiapparelli P, Guerrero-Cazares H, Kim DH, Sedora-Roman NI, Gupta S, O'Donnell T, Chaichana KL, Rodriguez FJ, Abbadi S, Park J, Quiñones-Hinojosa A, Levchenko A. Migration Phenotype of Brain-Cancer Cells Predicts Patient Outcomes. *Cell Rep*. 2016 Jun

- 21;15(12):2616-24. doi: 10.1016/j.celrep.2016.05.042. Epub 2016 Jun 9. PubMed PMID: 27292647; PubMed Central PMCID: PMC5517094.
- 75: Mangraviti A, Tzeng SY, Gullotti D, Kozielski KL, Kim JE, Seng M, Abbadi S, Schiapparelli P, Sarabia-Estrada R, Vescovi A, Brem H, Olivi A, Tyler B, Green JJ, Quinones-Hinojosa A. Non-virally engineered human adipose mesenchymal stem cells produce BMP4, target brain tumors, and extend survival. *Biomaterials*. 2016 Sep;100:53-66. doi: 10.1016/j.biomaterials.2016.05.025. Epub 2016 May 21. PubMed PMID: 27240162; PubMed Central PMCID: PMC4902753.
- 76: Su H, Zhang P, Cheetham AG, Koo JM, Lin R, Masood A, Schiapparelli P, Quiñones-Hinojosa A, Cui H. Supramolecular Crafting of Self-Assembling Camptothecin Prodrugs with Enhanced Efficacy against Primary Cancer Cells. *Theranostics*. 2016 Apr 28;6(7):1065-74. doi: 10.7150/thno.15420. eCollection 2016. PubMed PMID: 27217839; PubMed Central PMCID: PMC4876630.
- 77: Radvany MG, Quinones-Hinojosa A, Gallia GL, Wand GS, Salvatori R. VENOUS SAMPLING FOR CUSHING DISEASE: COMPARISON OF INTERNAL JUGULAR VEIN AND INFERIOR PETROSAL SINUS SAMPLING. *Endocr Pract*. 2016 Sep;22(9):1057-61. doi: 10.4158/EP161266.OR. Epub 2016 May 23. PubMed PMID: 27214296.
- 78: Kone L, Chaichana KL, Rincon-Torroella J, Snyman C, Moghekar A, Quiñones-Hinojosa A. The impact of surgical resection on headache disability and quality of life in patients with colloid cyst. *Cephalalgia*. 2017 Apr;37(5):442-451. doi: 10.1177/0333102416648654. Epub 2016 May 10. PubMed PMID: 27165491.
- 79: Ravin R, Blank PS, Busse B, Ravin N, Vira S, Bezrukov L, Waters H, Guerrero-Cazares H, Quinones-Hinojosa A, Lee PR, Fields RD, Bezrukov SM, Zimmerberg J. Blast shockwaves propagate Ca(2+) activity via purinergic astrocyte networks in human central nervous system cells. *Sci Rep*. 2016 May 10;6:25713. doi: 10.1038/srep25713. PubMed PMID: 27162174; PubMed Central PMCID: PMC4861979.
- 80: Mathios D, Ruzevick J, Jackson CM, Xu H, Shah SR, Taube JM, Burger PC, McCarthy EF, Quinones-Hinojosa A, Pardoll DM, Lim M. Erratum to: PD-1, PD-L1, PD-L2 expression in the chordoma microenvironment. *J Neurooncol*. 2016 May;128(1):183. doi: 10.1007/s11060-016-2130-0. PubMed PMID: 27161248.
- 81: Eseonu CI, ReFaey K, Geocadin RG, Quinones-Hinojosa A. Postoperative Cerebral Vasospasm Following Transsphenoidal pituitary neuroendocrine tumor Surgery. *World Neurosurg*. 2016 Aug;92:7-14. doi: 10.1016/j.wneu.2016.04.099. Epub 2016 May 4. Review. PubMed PMID: 27155378.
- 82: Narang AK, Chaichana KL, Weingart JD, Redmond KJ, Lim M, Olivi A, Quinones-Hinojosa A, Kleinberg LR. Progressive Low-Grade Glioma: Assessment of Prognostic Importance of Histologic Reassessment and MRI Findings. *World Neurosurg*. 2017 Mar;99:751-757. doi: 10.1016/j.wneu.2016.04.030. Epub 2016 Apr 19. PubMed PMID: 27108796.
- 83: Vizcaíno MA, Bishop J, Sharma R, Refaey K, Quiñones-Hinojosa A, Rodriguez FJ. Intracranial solitary fibrous tumor/ hemangiopericytoma with osteoclast-like multinucleated giant cells: comparison with giant cell-rich solitary fibrous tumor. *Clin Neuropathol*. 2016 Jul-Aug;35(4):171-7. doi: 10.5414/NP300933. PubMed PMID: 27049065.
- 84: Binder ZA, Wilson KM, Salmasi V, Orr BA, Eberhart CG, Siu IM, Lim M, Weingart JD, Quinones-Hinojosa A, Bettegowda C, Kassam AB, Olivi A, Brem H, Riggins GJ, Gallia GL. Establishment and Biological Characterization of a Panel of Glioblastoma Multiforme (Glioblastoma) and Glioblastoma Variant Oncosphere Cell Lines. *PLoS One*. 2016 Mar 30;11(3):e0150271. doi: 10.1371/journal.pone.0150271. eCollection 2016. PubMed PMID: 27028405; PubMed Central PMCID:

PMC4814135.

- 85: Bishop CJ, Majewski RL, Guiriba TR, Wilson DR, Bhise NS, Quiñones-Hinojosa A, Green JJ. Quantification of cellular and nuclear uptake rates of polymeric gene delivery nanoparticles and DNA plasmids via flow cytometry. *Acta Biomater.* 2016 Jun;37:120-30. doi: 10.1016/j.actbio.2016.03.036. Epub 2016 Mar 24. PubMed PMID: 27019146; PubMed Central PMCID: PMC5061650.
- 86: Tilghman J, Schiapparelli P, Lal B, Ying M, Quinones-Hinojosa A, Xia S, Lattera J. Regulation of Glioblastoma Tumor-Propagating Cells by the Integrin Partner Tetraspanin CD151. *Neoplasia.* 2016 Mar;18(3):185-98. doi: 10.1016/j.neo.2016.02.003. PubMed PMID: 26992919; PubMed Central PMCID: PMC4796809.
- 87: Jackson C, Westphal M, Quiñones-Hinojosa A. Complications of glioma surgery. *Handb Clin Neurol.* 2016;134:201-18. doi: 10.1016/B978-0-12-802997-8.00012-8. Review. PubMed PMID: 26948356.
- 88: Capilla-Gonzalez V, Bonsu JM, Redmond KJ, Garcia-Verdugo JM, Quiñones-Hinojosa A. Implications of irradiating the subventricular zone stem cell niche. *Stem Cell Res.* 2016 Mar;16(2):387-96. doi: 10.1016/j.scr.2016.02.031. Epub 2016 Feb 17. Review. PubMed PMID: 26921873.
- 89: Lopez-Bertoni H, Lal B, Michelson N, Guerrero-Cázares H, Quiñones-Hinojosa A, Li Y, Lattera J. Epigenetic modulation of a miR-296-5p:HMGA1 axis regulates Sox2 expression and glioblastoma stem cells. *Oncogene.* 2016 Sep 15;35(37):4903-13. doi: 10.1038/onc.2016.22. Epub 2016 Feb 22. PubMed PMID: 26898758; PubMed Central PMCID: PMC6151872.
- 90: Huang YJ, Hoffmann G, Wheeler B, Schiapparelli P, Quinones-Hinojosa A, Searson P. Cellular microenvironment modulates the galvanotaxis of brain tumor initiating cells. *Sci Rep.* 2016 Feb 22;6:21583. doi: 10.1038/srep21583. PubMed PMID: 26898606; PubMed Central PMCID: PMC4761929.
- 91: Weaver KJ, McCord M, Neal D, Bova F, Rajon D, Quinones-Hinojosa A, Rahman M. Do tumor and ventricular volume predict the need for postresection shunting in colloid cyst patients? *J Neurosurg.* 2016 Sep;125(3):585-90. doi: 10.3171/2015.9.JNS151183. Epub 2016 Jan 29. PubMed PMID: 26824370.
- 92: Adams H, Adams HH, Jackson C, Rincon-Torroella J, Jallo GI, Quiñones-Hinojosa A. Evaluating extent of resection in pediatric glioblastoma: a multiple propensity score-adjusted population-based analysis. *Childs Nerv Syst.* 2016 Mar;32(3):493-503. doi: 10.1007/s00381-015-3006-x. Epub 2016 Jan 15. PubMed PMID: 26767842.
- 93: Auvergne R, Wu C, Connell A, Au S, Cornwell A, Osipovitch M, Benraiss A, Dangelmajer S, Guerrero-Cazares H, Quinones-Hinojosa A, Goldman SA. PAR1 inhibition suppresses the self-renewal and growth of A2B5-defined glioma progenitor cells and their derived gliomas in vivo. *Oncogene.* 2016 Jul 21;35(29):3817-28. doi: 10.1038/onc.2015.452. Epub 2015 Nov 30. PubMed PMID: 26616854; PubMed Central PMCID: PMC4885796.
- 94: Placone AL, Quiñones-Hinojosa A, Searson PC. The role of astrocytes in the progression of brain cancer: complicating the picture of the tumor microenvironment. *Tumour Biol.* 2016 Jan;37(1):61-9. doi: 10.1007/s13277-015-4242-0. Epub 2015 Oct 22. Review. PubMed PMID: 26493995.
- 95: Chen L, Chaichana KL, Kleinberg L, Ye X, Quinones-Hinojosa A, Redmond K. Glioblastoma recurrence patterns near neural stem cell regions. *Radiother Oncol.* 2015 Aug;116(2):294-300. doi: 10.1016/j.radonc.2015.07.032. Epub 2015 Aug 11. PubMed PMID: 26276527; PubMed Central PMCID: PMC4857206.

96: Grossman R, Burger P, Soudry E, Tyler B, Chaichana KL, Weingart J, Olivi A, Gallia GL, Sidransky D, Quiñones-Hinojosa A, Ye X, Brem H. MGMT inactivation and clinical response in newly diagnosed Glioblastoma patients treated with Gliadel. *J Clin Neurosci*. 2015 Dec;22(12):1938-42. doi: 10.1016/j.jocn.2015.07.003. Epub 2015 Aug 4. PubMed PMID: 26249244.

97: Wang Y, Springer S, Zhang M, McMahon KW, Kinde I, Dobbyn L, Ptak J, Brem H, Chaichana K, Gallia GL, Gokaslan ZL, Groves ML, Jallo GI, Lim M, Olivi A, Quinones-Hinojosa A, Rigamonti D, Riggins GJ, Sciubba DM, Weingart JD, Wolinsky JP, Ye X, Oba-Shinjo SM, Marie SK, Holdhoff M, Agrawal N, Diaz LA Jr, Papadopoulos N, Kinzler KW, Vogelstein B, Bettgowda C. Detection of tumor-derived DNA in cerebrospinal fluid of patients with primary tumors of the brain and spinal cord. *Proc Natl Acad Sci U S A*. 2015 Aug 4;112(31):9704-9. doi: 10.1073/pnas.1511694112. Epub 2015 Jul 20. PubMed PMID: 26195750; PubMed Central PMCID: PMC4534284.

98: Pendleton C, Rincon-Torroella J, Gokaslan ZL, Jallo GI, Quinones-Hinojosa A. Challenges in early operative approaches to intramedullary spinal cord tumors: Harvey Cushing's perspective. *J Neurosurg Spine*. 2015 Oct;23(4):412-8. doi: 10.3171/2014.12.SPINE13427. Epub 2015 Jun 26. PubMed PMID: 26115026.

99: Feng Y, Zhu M, Dangelmajer S, Lee YM, Wijesekera O, Castellanos CX, Denduluri A, Chaichana KL, Li Q, Zhang H, Levchenko A, Guerrero-Cazares H, Quiñones-Hinojosa A. Hypoxia-cultured human adipose-derived mesenchymal stem cells are non-oncogenic and have enhanced viability, motility, and tropism to brain cancer. *Cell Death Dis*. 2015 Jun 25;6:e1797. doi: 10.1038/cddis.2015.176. PubMed PMID: 26111059; PubMed Central PMCID: PMC4669846.

100: Kut C, Chaichana KL, Xi J, Raza SM, Ye X, McVeigh ER, Rodriguez FJ, Quiñones-Hinojosa A, Li X. Detection of human brain cancer infiltration ex vivo and in vivo using quantitative optical coherence tomography. *Sci Transl Med*. 2015 Jun 17;7(292):292ra100. doi: 10.1126/scitranslmed.3010611. PubMed PMID: 26084803; PubMed Central PMCID: PMC4482228.

101: Gonzalez-Perez O, Lopez-Virgen V, Quiñones-Hinojosa A. Astrocytes: Everything but the glue. *Neuroimmunol Neuroinflamm*. 2015 Apr-Jun;2(2):115-117. PubMed PMID: 25938129; PubMed Central PMCID: PMC4414035.

102: Ruzevick J, Raza SM, Recinos PF, Chaichana K, Pradilla G, Kim JE, Olivi A, Weingart J, Evans J, Quinones-Hinojosa A, Lim M. Technical note: Orbitozygomatic craniotomy using an ultrasonic osteotome for precise osteotomies. *Clin Neurol Neurosurg*. 2015 Jul;134:24-7. doi: 10.1016/j.clineuro.2015.04.005. Epub 2015 Apr 13. PubMed PMID: 25935127; PubMed Central PMCID: PMC4696035.

103: Chaichana KL, Kone L, Bettgowda C, Weingart JD, Olivi A, Lim M, Quinones-Hinojosa A, Gallia GL, Brem H. Risk of surgical site infection in 401 consecutive patients with glioblastoma with and without carmustine wafer implantation. *Neurol Res*. 2015 Aug;37(8):717-26. doi: 10.1179/1743132815Y.0000000042. Epub 2015 Apr 28. PubMed PMID: 25916669.

104: Capilla-Gonzalez V, Lavell E, Quiñones-Hinojosa A, Guerrero-Cazares H. Regulation of subventricular zone-derived cells migration in the adult brain. *Adv Exp Med Biol*. 2015;853:1-21. doi: 10.1007/978-3-319-16537-0_1. Review. PubMed PMID: 25895704.

105: Kondapalli KC, Llongueras JP, Capilla-González V, Prasad H, Hack A, Smith C, Guerrero-Cázares H, Quiñones-Hinojosa A, Rao R. A leak pathway for luminal protons in endosomes drives oncogenic signalling in glioblastoma. *Nat Commun*. 2015 Feb 9;6:6289. doi: 10.1038/ncomms7289. PubMed PMID: 25662504; PubMed Central PMCID: PMC4354686.

- 106: Smith CL, Chaichana KL, Lee YM, Lin B, Stanko KM, O'Donnell T, Gupta S, Shah SR, Wang J, Wijesekera O, Delannoy M, Levchenko A, Quiñones-Hinojosa A. Pre-exposure of human adipose mesenchymal stem cells to soluble factors enhances their homing to brain cancer. *Stem Cells Transl Med.* 2015 Mar;4(3):239-51. doi: 10.5966/sctm.2014-0149. Epub 2015 Feb 2. PubMed PMID: 25646527; PubMed Central PMCID: PMC4339851.
- 107: Placone AL, McGuiggan PM, Bergles DE, Guerrero-Cazares H, Quiñones-Hinojosa A, Searson PC. Human astrocytes develop physiological morphology and remain quiescent in a novel 3D matrix. *Biomaterials.* 2015 Feb;42:134-43. doi: 10.1016/j.biomaterials.2014.11.046. Epub 2014 Dec 16. PubMed PMID: 25542801; PubMed Central PMCID: PMC4279107.
- 108: Feng Y, Zhu M, Dangelmajer S, Lee YM, Wijesekera O, Castellanos CX, Denduluri A, Chaichana KL, Li Q, Zhang H, Levchenko A, Guerrero-Cazares H, Quiñones-Hinojosa A. Hypoxia-cultured human adipose-derived mesenchymal stem cells are non-oncogenic and have enhanced viability, motility, and tropism to brain cancer. *Cell Death Dis.* 2014 Dec 11;5:e1567. doi: 10.1038/cddis.2014.521. Erratum in: *Cell Death Dis.* 2015;6:e1797. PubMed PMID: 25501828; PubMed Central PMCID: PMC4649837.
- 109: Almeida JP, Chaichana KL, Rincon-Torroella J, Quinones-Hinojosa A. The value of extent of resection of glioblastomas: clinical evidence and current approach. *Curr Neurol Neurosci Rep.* 2015;15(2):517. doi: 10.1007/s11910-014-0517-x. Review. PubMed PMID: 25467408.
- 110: Mathios D, Ruzevick J, Jackson CM, Xu H, Shah SR, Taube JM, Burger PC, McCarthy EF, Quinones-Hinojosa A, Pardoll DM, Lim M. PD-1, PD-L1, PD-L2 expression in the chordoma microenvironment. *J Neurooncol.* 2015 Jan;121(2):251-9. doi: 10.1007/s11060-014-1637-5. Epub 2014 Oct 28. Erratum in: *J Neurooncol.* 2016 May;128(1):183. PubMed PMID: 25349132; PubMed Central PMCID: PMC4322919.
- 111: Lopez-Bertoni H, Lal B, Li A, Caplan M, Guerrero-Cázares H, Eberhart CG, Quiñones-Hinojosa A, Glas M, Scheffler B, Lattera J, Li Y. DNMT-dependent suppression of microRNA regulates the induction of Glioblastoma tumor-propagating phenotype by Oct4 and Sox2. *Oncogene.* 2015 Jul 23;34(30):3994-4004. doi: 10.1038/onc.2014.334. Epub 2014 Oct 20. PubMed PMID: 25328136; PubMed Central PMCID: PMC4404208.
- 112: Rahman M, Jusué-Torres I, Alkabbani A, Salvatori R, Rodríguez FJ, Quinones-Hinojosa A. Synchronous GH- and prolactin-secreting pituitary neuroendocrine tumors. *Endocrinol Diabetes Metab Case Rep.* 2014;2014:140052. doi: 10.1530/EDM-14-0052. Epub 2014 Sep 1. PubMed PMID: 25298881; PubMed Central PMCID: PMC4174592.
- 113: Ying M, Tilghman J, Wei Y, Guerrero-Cazares H, Quinones-Hinojosa A, Ji H, Lattera J. Kruppel-like factor-9 (KLF9) inhibits glioblastoma stemness through global transcription repression and integrin $\alpha 6$ inhibition. *J Biol Chem.* 2014 Nov 21;289(47):32742-56. doi: 10.1074/jbc.M114.588988. Epub 2014 Oct 6. PubMed PMID: 25288800; PubMed Central PMCID: PMC4239625.
- 114: Zhu M, Feng Y, Dangelmajer S, Guerrero-Cázares H, Chaichana KL, Smith CL, Levchenko A, Lei T, Quiñones-Hinojosa A. Human cerebrospinal fluid regulates proliferation and migration of stem cells through insulin-like growth factor-1. *Stem Cells Dev.* 2015 Jan 15;24(2):160-71. doi: 10.1089/scd.2014.0076. PubMed PMID: 25265906; PubMed Central PMCID: PMC4291213.
- 115: Chaichana KL, Jusue-Torres I, Lemos AM, Gokaslan A, Cabrera-Aldana EE, Ashary A, Olivi A, Quinones-Hinojosa A. The butterfly effect on glioblastoma: is volumetric extent of resection more effective than biopsy for these tumors? *J Neurooncol.* 2014 Dec;120(3):625-34. doi: 10.1007/s11060-014-1597-9. Epub 2014 Sep 6. PubMed PMID: 25193022; PubMed Central PMCID:

PMC4313925.

116: Salvatori R, Daly AF, Quinones-Hinojosa A, Thiry A, Beckers A. A clinically novel AIP mutation in a patient with a very large, apparently sporadic somatotrope adenoma. *Endocrinol Diabetes Metab Case Rep.* 2014;2014:140048. doi: 10.1530/EDM-14-0048. Epub 2014 Aug 1. PubMed PMID: 25136448; PubMed Central PMCID: PMC4120360.

117: Cheng JS, Ivan ME, Stapleton CJ, Quinones-Hinojosa A, Gupta N, Auguste KI. Response. *J Neurosurg Pediatr.* 2014 Jun;13(6):590. PubMed PMID: 25006643.

118: Abbadi S, Rodarte JJ, Abutaleb A, Lavell E, Smith CL, Ruff W, Schiller J, Olivi A, Levchenko A, Guerrero-Cazares H, Quinones-Hinojosa A. Glucose-6-phosphatase is a key metabolic regulator of glioblastoma invasion. *Mol Cancer Res.* 2014 Nov;12(11):1547-59. doi: 10.1158/1541-7786.MCR-14-0106-T. Epub 2014 Jul 7. PubMed PMID: 25001192; PubMed Central PMCID: PMC4233174.

119: Jusué-Torres I, Recinos PF, Quiñones-Hinojosa A, Lim M. Technical nuances of microvascular decompression of the posterior fossa cranial nerves: 3-dimensional operative video. *Neurosurgery.* 2014 Sep;10 Suppl 3:487; discussion 487. doi: 10.1227/NEU.0000000000000441. PubMed PMID: 24983440.

120: Campos-Ordoñez T, Herranz-Pérez V, Chaichana KL, Rincon-Torroella J, Rigamonti D, García-Verdugo JM, Quiñones-Hinojosa A, Gonzalez-Perez O. Long-term hydrocephalus alters the cytoarchitecture of the adult subventricular zone. *Exp Neurol.* 2014 Nov;261:236-44. doi: 10.1016/j.expneurol.2014.05.011. Epub 2014 May 21. PubMed PMID: 24858805; PubMed Central PMCID: PMC4194226.

121: Li Q, Wijesekera O, Salas SJ, Wang JY, Zhu M, Aprhys C, Chaichana KL, Chesler DA, Zhang H, Smith CL, Guerrero-Cazares H, Levchenko A, Quinones-Hinojosa A. Mesenchymal stem cells from human fat engineered to secrete BMP4 are nononcogenic, suppress brain cancer, and prolong survival. *Clin Cancer Res.* 2014 May 1;20(9):2375-87. doi: 10.1158/1078-0432.CCR-13-1415. PubMed PMID: 24789034; PubMed Central PMCID: PMC4050066.

122: Baia GS, Caballero OL, Ho JS, Zhao Q, Cohen T, Binder ZA, Salmasi V, Gallia GL, Quinones-Hinojosa A, Olivi A, Brem H, Burger P, Strausberg RL, Simpson AJ, Eberhart CG, Riggins GJ. NY-ESO-1 expression in meningioma suggests a rationale for new immunotherapeutic approaches. *Cancer Immunol Res.* 2013 Nov;1(5):296-302. doi: 10.1158/2326-6066.CIR-13-0029. Epub 2013 Aug 5. PubMed PMID: 24777967.

123: Guerrero-Cázares H, Tzeng SY, Young NP, Abutaleb AO, Quiñones-Hinojosa A, Green JJ. Biodegradable polymeric nanoparticles show high efficacy and specificity at DNA delivery to human glioblastoma in vitro and in vivo. *ACS Nano.* 2014 May 27;8(5):5141-53. doi: 10.1021/nn501197v. Epub 2014 Apr 29. PubMed PMID: 24766032; PubMed Central PMCID: PMC4046784.

124: Tilghman J, Wu H, Sang Y, Shi X, Guerrero-Cazares H, Quinones-Hinojosa A, Eberhart CG, Lattera J, Ying M. HMMR maintains the stemness and tumorigenicity of glioblastoma stem-like cells. *Cancer Res.* 2014 Jun 1;74(11):3168-79. doi: 10.1158/0008-5472.CAN-13-2103. Epub 2014 Apr 7. PubMed PMID: 24710409; PubMed Central PMCID: PMC4059010.

125: Cheng JS, Ivan ME, Stapleton CJ, Quinones-Hinojosa A, Gupta N, Auguste KI. Intraoperative changes in transcranial motor evoked potentials and somatosensory evoked potentials predicting outcome in children with intramedullary spinal cord tumors. *J Neurosurg Pediatr.* 2014 Jun;13(6):591-9. doi: 10.3171/2014.2.PEDS1392. Epub 2014 Apr 4. PubMed PMID: 24702615; PubMed

Central PMCID: PMC4322892.

126: Capilla-Gonzalez V, Cebrian-Silla A, Guerrero-Cazares H, Garcia-Verdugo JM, Quiñones-Hinojosa A. Age-related changes in astrocytic and ependymal cells of the subventricular zone. *Glia*. 2014 May;62(5):790-803. PubMed PMID: 24677590; PubMed Central PMCID: PMC4322944.

127: Levy AF, Zayats M, Guerrero-Cazares H, Quiñones-Hinojosa A, Searson PC. Influence of basement membrane proteins and endothelial cell-derived factors on the morphology of human fetal-derived astrocytes in 2D. *PLoS One*. 2014 Mar 19;9(3):e92165. doi: 10.1371/journal.pone.0092165. eCollection 2014. PubMed PMID: 24647106; PubMed Central PMCID: PMC3960172.

128: Hansen TM, Batra S, Lim M, Gallia GL, Burger PC, Salvatori R, Wand G, Quinones-Hinojosa A, Kleinberg L, Redmond KJ. Invasive adenoma and pituitary carcinoma: a SEER database analysis. *Neurosurg Rev*. 2014 Apr;37(2):279-85; discussion 285-6. doi: 10.1007/s10143-014-0525-y. Epub 2014 Feb 14. PubMed PMID: 24526366; PubMed Central PMCID: PMC4322934.

129: Chaichana KL, Cabrera-Aldana EE, Jusue-Torres I, Wijesekera O, Olivi A, Rahman M, Quinones-Hinojosa A. When gross total resection of a glioblastoma is possible, how much resection should be achieved? *World Neurosurg*. 2014 Jul-Aug;82(1-2):e257-65. doi: 10.1016/j.wneu.2014.01.019. Epub 2014 Feb 6. PubMed PMID: 24508595.

130: Pendleton C, Raza SM, Gallia GL, Quinones-Hinojosa A. Harvey Cushing's Early Operative Treatment of Skull Base Fractures. *J Neurol Surg B Skull Base*. 2014 Feb;75(1):27-34. doi: 10.1055/s-0033-1353361. Epub 2013 Sep 13. PubMed PMID: 24498586; PubMed Central PMCID: PMC3912145.

131: Chaichana KL, Quinones-Hinojosa A. The need to continually redefine the goals of surgery for glioblastoma. *Neuro Oncol*. 2014 Apr;16(4):611-2. doi: 10.1093/neuonc/not326. Epub 2014 Jan 30. PubMed PMID: 24482448; PubMed Central PMCID: PMC3956362.

132: Gordon CR, Fisher M, Liauw J, Lina I, Puvanesarajah V, Susarla S, Coon A, Lim M, Quinones-Hinojosa A, Weingart J, Colby G, Olivi A, Huang J. Multidisciplinary approach for improved outcomes in secondary cranial reconstruction: introducing the pericranial-onlay cranioplasty technique. *Neurosurgery*. 2014 Jun;10 Suppl 2:179-89; discussion 189-90. doi: 10.1227/NEU.0000000000000296. PubMed PMID: 24448187; PubMed Central PMCID: PMC4703091.

133: Hu Y, Mintz A, Shah SR, Quinones-Hinojosa A, Hsu W. The FGFR/MEK/ERK/brachyury pathway is critical for chordoma cell growth and survival. *Carcinogenesis*. 2014 Jul;35(7):1491-9. doi: 10.1093/carcin/bgu014. Epub 2014 Jan 20. PubMed PMID: 24445144; PubMed Central PMCID: PMC4593008.

134: Chaichana KL, Flores M, Acharya S, Sampognaro P, Bettegowda C, Rigamonti D, Weingart JD, Olivi A, Gallia GL, Brem H, Lim M, Quinones-Hinojosa A. Survival and recurrence for patients undergoing surgery of skull base intracranial metastases. *J Neurol Surg B Skull Base*. 2013 Aug;74(4):228-35. doi: 10.1055/s-0033-1342925. Epub 2013 Apr 3. PubMed PMID: 24436917; PubMed Central PMCID: PMC3715603.

135: Mathioudakis N, Sundaresh R, Larsen A, Ruff W, Schiller J, Guerrero-Cázares H, Burger P, Salvatori R, Quiñones-Hinojosa A. Expression of the pituitary stem/progenitor marker GFR α 2 in human pituitary neuroendocrine tumors and normal pituitary. *Pituitary*. 2015 Feb;18(1):31-41. doi: 10.1007/s11102-014-0553-1. PubMed PMID: 24402129; PubMed Central PMCID: PMC4090297.

136: Galvez-Contreras AY, Quiñones-Hinojosa A, Gonzalez-Perez O. The role of EGFR and ErbB family

related proteins in the oligodendrocyte specification in germinal niches of the adult mammalian brain. *Front Cell Neurosci.* 2013 Dec 17;7:258. doi: 10.3389/fncel.2013.00258. Review. PubMed PMID: 24381541; PubMed Central PMCID: PMC3865447.

137: Qureshi A, Quinones-Hinojosa A, Ziai W. A rare infectious presentation of a temporal bone meningioma. *J Neurooncol.* 2014 Feb;116(3):633-4. doi: 10.1007/s11060-013-1319-8. Epub 2013 Dec 12. PubMed PMID: 24338211; PubMed Central PMCID: PMC4659369.

138: Chaichana KL, Jusue-Torres I, Navarro-Ramirez R, Raza SM, Pascual-Gallego M, Ibrahim A, Hernandez-Hermann M, Gomez L, Ye X, Weingart JD, Olivi A, Blakeley J, Gallia GL, Lim M, Brem H, Quinones-Hinojosa A. Establishing percent resection and residual volume thresholds affecting survival and recurrence for patients with newly diagnosed intracranial glioblastoma. *Neuro Oncol.* 2014 Jan;16(1):113-22. doi: 10.1093/neuonc/not137. Epub 2013 Nov 26. PubMed PMID: 24285550; PubMed Central PMCID: PMC3870832.

139: Somasundaram A, Pendleton C, Raza SM, Boahene K, Quinones-Hinojosa A. Harvey Cushing's Treatment of Skull Base Infections: The Johns Hopkins Experience. *J Neurol Surg B Skull Base.* 2012 Oct;73(5):358-62. doi: 10.1055/s-0032-1322799. PubMed PMID: 24083129; PubMed Central PMCID: PMC3578635.

140: Chaichana KL, Jackson C, Patel A, Miller NR, Subramanian P, Lim M, Gallia G, Olivi A, Weingart J, Brem H, Quiñones-Hinojosa A. Predictors of visual outcome following surgical resection of medial sphenoid wing meningiomas. *J Neurol Surg B Skull Base.* 2012 Oct;73(5):321-6. doi: 10.1055/s-0032-1321510. PubMed PMID: 24083123; PubMed Central PMCID: PMC3578636.

141: Chaichana KL, Acharya S, Flores M, Wijesekera O, Rigamonti D, Weingart JD, Olivi A, Bettegowda C, Gallia GL, Brem H, Lim M, Quinones-Hinojosa A. Identifying better surgical candidates among recursive partitioning analysis class 2 patients who underwent surgery for intracranial metastases. *World Neurosurg.* 2014 Jul-Aug;82(1-2):e267-75. doi: 10.1016/j.wneu.2013.08.031. Epub 2013 Sep 25. PubMed PMID: 24076052; PubMed Central PMCID: PMC3995859.

142: Chaichana KL, Gadkaree S, Rao K, Link T, Rigamonti D, Purtell M, Browner I, Weingart J, Olivi A, Gallia G, Bettegowda C, Brem H, Lim M, Quinones-Hinojosa A. Patients undergoing surgery of intracranial metastases have different outcomes based on their primary pathology. *Neurol Res.* 2013 Dec;35(10):1059-69. doi: 10.1179/1743132813Y.0000000253. Epub 2013 Aug 16. PubMed PMID: 24070329; PubMed Central PMCID: PMC3994530.

143: Chaichana KL, Rao K, Gadkaree S, Dangelmajer S, Bettegowda C, Rigamonti D, Weingart J, Olivi A, Gallia GL, Brem H, Lim M, Quinones-Hinojosa A. Factors associated with survival and recurrence for patients undergoing surgery of cerebellar metastases. *Neurol Res.* 2014 Jan;36(1):13-25. doi: 10.1179/1743132813Y.0000000260. Epub 2013 Oct 23. PubMed PMID: 24070068.

144: Capilla-Gonzalez V, Cebrian-Silla A, Guerrero-Cazares H, Garcia-Verdugo JM, Quiñones-Hinojosa A. The generation of oligodendroglial cells is preserved in the rostral migratory stream during aging. *Front Cell Neurosci.* 2013 Sep 11;7:147. doi: 10.3389/fncel.2013.00147. eCollection 2013. PubMed PMID: 24062640; PubMed Central PMCID: PMC3775451.

145: Capilla-Gonzalez V, Guerrero-Cazares H, Bonsu JM, Gonzalez-Perez O, Achanta P, Wong J, Garcia-Verdugo JM, Quiñones-Hinojosa A. The subventricular zone is able to respond to a demyelinating lesion after localized radiation. *Stem Cells.* 2014 Jan;32(1):59-69. doi: 10.1002/stem.1519. PubMed PMID: 24038623; PubMed Central PMCID: PMC4879590.

146: Santana-Ramírez A, Farias-Serratos F, Garzon-Muvdi T, Quiñones-Hinojosa A. A giant spinal

- arterial aneurysm in a child presenting as quadriplegia. *BMJ Case Rep.* 2013 Aug 20;2013. pii: bcr2013200298. doi: 10.1136/bcr-2013-200298. PubMed PMID: 23964047; PubMed Central PMCID: PMC3762372.
- 147: Chaichana KL, Pendleton C, Chambless L, Camara-Quintana J, Nathan JK, Hassam-Malani L, Li G, Harsh GR 4th, Thompson RC, Lim M, Quinones-Hinojosa A. Multi-institutional validation of a preoperative scoring system which predicts survival for patients with glioblastoma. *J Clin Neurosci.* 2013 Oct;20(10):1422-6. doi: 10.1016/j.jocn.2013.02.007. Epub 2013 Aug 6. PubMed PMID: 23928040; PubMed Central PMCID: PMC4086640.
- 148: Jusué-Torres I, Navarro-Ramírez R, Gallego MP, Chaichana KL, Quiñones-Hinojosa A. Indocyanine green for vessel identification and preservation before dural opening for parasagittal lesions. *Neurosurgery.* 2013 Dec;73(2 Suppl Operative):ons145; discussion ons145. doi: 10.1227/NEU.000000000000028. PubMed PMID: 23787884; PubMed Central PMCID: PMC4659378.
- 149: Auvergne RM, Sim FJ, Wang S, Chandler-Militello D, Burch J, Al Fanek Y, Davis D, Benraiss A, Walter K, Achanta P, Johnson M, Quinones-Hinojosa A, Natesan S, Ford HL, Goldman SA. Transcriptional differences between normal and glioma-derived glial progenitor cells identify a core set of dysregulated genes. *Cell Rep.* 2013 Jun 27;3(6):2127-41. doi: 10.1016/j.celrep.2013.04.035. Epub 2013 May 30. Erratum in: *Cell Rep.* 2013 Jul 25;4(2):402. PubMed PMID: 23727239; PubMed Central PMCID: PMC5293199.
- 150: Chaichana KL, Quinones-Hinojosa A. Neuro-oncology: paediatric brain tumours—when to operate? *Nat Rev Neurol.* 2013 Jul;9(7):362-4. doi: 10.1038/nrneurol.2013.97. Epub 2013 May 28. PubMed PMID: 23712080.
- 151: Chaichana KL, Martinez-Gutierrez JC, De la Garza-Ramos R, Weingart JD, Olivi A, Gallia GL, Lim M, Brem H, Quinones-Hinojosa A. Factors associated with survival for patients with glioblastoma with poor pre-operative functional status. *J Clin Neurosci.* 2013 Jun;20(6):818-23. doi: 10.1016/j.jocn.2012.07.016. Epub 2013 Apr 29. PubMed PMID: 23639620; PubMed Central PMCID: PMC3994533.
- 152: Pendleton C, Li Q, Chesler DA, Yuan K, Guerrero-Cazares H, Quinones-Hinojosa A. Mesenchymal stem cells derived from adipose tissue vs bone marrow: in vitro comparison of their tropism towards gliomas. *PLoS One.* 2013;8(3):e58198. doi: 10.1371/journal.pone.0058198. Epub 2013 Mar 12. PubMed PMID: 23554877; PubMed Central PMCID: PMC3595264.
- 153: Molendijk J, Pendleton C, Rachwalski M, Quinones-Hinojosa A, Dorafshar AH. Harvey Cushing's Contributions to Plastic Surgery: Bilateral Cleft Lip Repair. *Cleft Palate Craniofac J.* 2014 Jan;51(1):105-9. doi: 10.1597/12-249. Epub 2013 Apr 3. PubMed PMID: 23551074.
- 154: Chen L, Guerrero-Cazares H, Ye X, Ford E, McNutt T, Kleinberg L, Lim M, Chaichana K, Quinones-Hinojosa A, Redmond K. Increased subventricular zone radiation dose correlates with survival in glioblastoma patients after gross total resection. *Int J Radiat Oncol Biol Phys.* 2013 Jul 15;86(4):616-22. doi: 10.1016/j.ijrobp.2013.02.014. Epub 2013 Mar 26. PubMed PMID: 23540348; PubMed Central PMCID: PMC3996451.
- 155: Zhou J, Zhu H, Lim M, Blair L, Quinones-Hinojosa A, Messina SA, Eberhart CG, Pomper MG, Lattera J, Barker PB, van Zijl PC, Blakeley JO. Three-dimensional amide proton transfer MR imaging of gliomas: Initial experience and comparison with gadolinium enhancement. *J Magn Reson Imaging.* 2013 Nov;38(5):1119-28. doi: 10.1002/jmri.24067. Epub 2013 Feb 25. PubMed PMID: 23440878; PubMed Central PMCID: PMC3664658.

156: Adams H, Chaichana KL, Avendaño J, Liu B, Raza SM, Quiñones-Hinojosa A. Adult cerebellar glioblastoma: understanding survival and prognostic factors using a population-based database from 1973 to 2009. *World Neurosurg.* 2013 Dec;80(6):e237-43. doi: 10.1016/j.wneu.2013.02.010. Epub 2013 Feb 6. PubMed PMID: 23395851; PubMed Central PMCID: PMC3994535.

157: Chaichana KL, Pendleton C, Jackson C, Martinez-Gutierrez JC, Diaz-Stransky A, Aguayo J, Olivi A, Weingart J, Gallia G, Lim M, Brem H, Quinones-Hinojosa A. Deep venous thrombosis and pulmonary embolisms in adult patients undergoing craniotomy for brain tumors. *Neurol Res.* 2013 Mar;35(2):206-11. doi: 10.1179/1743132812Y.0000000126. Epub 2012 Dec 13. PubMed PMID: 23336127; PubMed Central PMCID: PMC3991124.

158: Kinsman M, Pendleton C, Quinones-Hinojosa A, Cohen-Gadol AA. Harvey Cushing's early experience with the surgical treatment of head trauma. *J Hist Neurosci.* 2013;22(1):96-115. doi: 10.1080/0964704X.2012.671050. PubMed PMID: 23323535.

159: Gonzalez-Perez O, Garcia-Verdugo JM, Quinones-Hinojosa A, Luquin S, Gudino-Cabrera G, Gonzalez-Castaneda RE. Neural stem cells in the adult brain: from benchside to clinic. *Stem Cells Int.* 2012;2012:378356. doi: 10.1155/2012/378356. Epub 2012 Nov 5. PubMed PMID: 23213339; PubMed Central PMCID: PMC3504454.

160: Pendleton C, Quiñones-Hinojosa A. The making of a neurosurgeon. Harvey Cushing, Halstedian technique, and the birth of a specialty. *Pharos Alpha Omega Alpha Honor Med Soc.* 2012 Autumn;75(4):8-16. PubMed PMID: 23167085.

161: Momin EN, Adams H, Shinohara RT, Frangakis C, Brem H, Quiñones-Hinojosa A. Postoperative mortality after surgery for brain tumors by patient insurance status in the United States. *Arch Surg.* 2012 Nov;147(11):1017-24. doi: 10.1001/archsurg.2012.1459. PubMed PMID: 23165616; PubMed Central PMCID: PMC3571758.

162: Chaichana KL, Zadnik P, Weingart JD, Olivi A, Gallia GL, Blakeley J, Lim M, Brem H, Quiñones-Hinojosa A. Multiple resections for patients with glioblastoma: prolonging survival. *J Neurosurg.* 2013 Apr;118(4):812-20. doi: 10.3171/2012.9.JNS1277. Epub 2012 Oct 19. PubMed PMID: 23082884; PubMed Central PMCID: PMC3700339.

163: Pendleton C, Cristofalo EA, Biondo GN, Jallo GI, Quiñones-Hinojosa A, Ahn ES. Posthemorrhagic hydrocephalus in preterm neonates: socioeconomic characteristics in a single-institution experience. *Pediatr Neurosurg.* 2012;48(2):80-5. doi: 10.1159/000342539. Epub 2012 Sep 28. PubMed PMID: 23038417.

164: Ramos-Zúñiga R, González-Pérez O, Macías-Ornelas A, Capilla-González V, Quiñones-Hinojosa A. Ethical implications in the use of embryonic and adult neural stem cells. *Stem Cells Int.* 2012;2012:470949. Epub 2012 Sep 10. PubMed PMID: 22997522; PubMed Central PMCID: PMC3444931.

165: Gonzalez-Perez O, Gutierrez-Fernandez F, Lopez-Virgen V, Collas-Aguilar J, Quinones-Hinojosa A, Garcia-Verdugo JM. Immunological regulation of neurogenic niches in the adult brain. *Neuroscience.* 2012 Dec 13;226:270-81. doi: 10.1016/j.neuroscience.2012.08.053. Epub 2012 Sep 15. Review. PubMed PMID: 22986164; PubMed Central PMCID: PMC3490038.

166: Achanta P, Capilla-Gonzalez V, Purger D, Reyes J, Sailor K, Song H, Garcia-Verdugo JM, Gonzalez-Perez O, Ford E, Quinones-Hinojosa A. Subventricular zone localized irradiation affects the generation of proliferating neural precursor cells and the migration of neuroblasts. *Stem Cells.* 2012 Nov;30(11):2548-60. doi: 10.1002/stem.1214. PubMed PMID: 22948813; PubMed Central PMCID:

PMC3991482.

167: Chesler DA, Pendleton C, Ahn ES, Quinones-Hinojosa A. Harvey Cushing's early management of hydrocephalus: an historical picture of the conundrum of hydrocephalus until modern shunts after WWII. *Clin Neurol Neurosurg*. 2013 Jun;115(6):699-701. doi: 10.1016/j.clineuro.2012.08.018. Epub 2012 Sep 1. PubMed PMID: 22944467; PubMed Central PMCID: PMC3890322.

168: Pendleton C, Redett RJ, Quinones-Hinojosa A, Dorafshar AH. Harvey Cushing's surgical treatment of facial paralysis during his tenure at the Johns Hopkins Hospital. *Ann Plast Surg*. 2013 Mar;70(3):251-6. doi: 10.1097/SAP.0b013e31822a3f23. PubMed PMID: 22868298.

169: Ravin R, Blank PS, Steinkamp A, Rappaport SM, Ravin N, Bezrukov L, Guerrero-Cazares H, Quinones-Hinojosa A, Bezrukov SM, Zimmerberg J. Shear forces during blast, not abrupt changes in pressure alone, generate calcium activity in human brain cells. *PLoS One*. 2012;7(6):e39421. doi: 10.1371/journal.pone.0039421. Epub 2012 Jun 29. PubMed PMID: 22768078; PubMed Central PMCID: PMC3387147.

170: Raza SM, Quinones-Hinojosa A, Lim M, Boahene KD. The transconjunctival transorbital approach: a keyhole approach to the midline anterior skull base. *World Neurosurg*. 2013 Dec;80(6):864-71. doi: 10.1016/j.wneu.2012.06.027. Epub 2012 Jun 19. PubMed PMID: 22722037; PubMed Central PMCID: PMC4696057.

171: Pendleton C, Redett RJ, Quinones-Hinojosa A, Gearhart J, Dorafshar AH. Early hypospadias repair: the contributions of Harvey Cushing. *World J Urol*. 2013 Aug;31(4):925-8. doi: 10.1007/s00345-012-0890-5. Epub 2012 May 31. PubMed PMID: 22648063.

172: Adams H, Avendaño J, Raza SM, Gokaslan ZL, Jallo GI, Quiñones-Hinojosa A. Prognostic factors and survival in primary malignant astrocytomas of the spinal cord: a population-based analysis from 1973 to 2007. *Spine (Phila Pa 1976)*. 2012 May 20;37(12):E727-35. doi: 10.1097/BRS.0b013e31824584c0. PubMed PMID: 22609727; PubMed Central PMCID: PMC3358669.

173: Link TW, Woodworth GF, Chaichana KL, Grossman SA, Mayer RS, Brem H, Weingart JD, Quinones-Hinojosa A. Hyperglycemia is independently associated with post-operative function loss in patients with primary eloquent glioblastoma. *J Clin Neurosci*. 2012 Jul;19(7):996-1000. doi: 10.1016/j.jocn.2011.09.031. Epub 2012 May 15. PubMed PMID: 22595358; PubMed Central PMCID: PMC4859215.

174: Mathioudakis N, Quinones-Hinojosa A, Salvatori R, Basaria S. A lifelong smoker with hypopituitarism: rethinking the hypothesis of a tumor in the hypophysis. *Case Rep Med*. 2012;2012:853568. doi: 10.1155/2012/853568. Epub 2012 Apr 22. PubMed PMID: 22577392; PubMed Central PMCID: PMC3347466.

175: Garzon-Muvdi T, Schiapparelli P, ap Rhys C, Guerrero-Cazares H, Smith C, Kim DH, Kone L, Farber H, Lee DY, An SS, Levchenko A, Quiñones-Hinojosa A. Regulation of brain tumor dispersal by NKCC1 through a novel role in focal adhesion regulation. *PLoS Biol*. 2012;10(5):e1001320. doi: 10.1371/journal.pbio.1001320. Epub 2012 May 1. PubMed PMID: 22570591; PubMed Central PMCID: PMC3341330.

176: Amin AG, Ng J, Hsu W, Pradilla G, Raza S, Quinones-Hinojosa A, Lim M. Postoperative anticoagulation in patients with mechanical heart valves following surgical treatment of subdural hematomas. *Neurocrit Care*. 2013 Aug;19(1):90-4. doi: 10.1007/s12028-012-9704-2. PubMed PMID: 22528281; PubMed Central PMCID: PMC4613758.

- 177: Latimer K, Pendleton C, Martinez A, Subramanian PS, Quiñones-Hinojosa A. Insight into glaucoma treatment in the early 1900s: Harvey Cushing's 1905 operation. *Arch Ophthalmol*. 2012 Apr;130(4):510-3. doi: 10.1001/archophthalmol.2011.1184. PubMed PMID: 22491921.
- 178: Pendleton C, Raza SM, Gallia GL, Quiñones-Hinojosa A. Harvey Cushing's Approaches to Tumors in His Early Career: From the Skull Base to the Cranial Vault. *Skull Base*. 2011 Jul;21(4):271-6. doi: 10.1055/s-0031-1280683. PubMed PMID: 22470271; PubMed Central PMCID: PMC3312114.
- 179: Pendleton C, Raza SM, Boahene KD, Quiñones-Hinojosa A. Transfacial approaches to the skull base: the early contributions of harvey cushing. *Skull Base*. 2011 Jul;21(4):207-14. doi: 10.1055/s-0031-1275631. PubMed PMID: 22470263; PubMed Central PMCID: PMC3312120.
- 180: Chaichana KL, Pendleton C, Zaidi H, Olivi A, Weingart JD, Gallia GL, Lim M, Brem H, Quiñones-Hinojosa A. Seizure control for patients undergoing meningioma surgery. *World Neurosurg*. 2013 Mar-Apr;79(3-4):515-24. doi: 10.1016/j.wneu.2012.02.051. Epub 2012 Mar 30. PubMed PMID: 22469524.
- 181: Hsu W, Mohyeldin A, Shah SR, Gokaslan ZL, Quinones-Hinojosa A. Role of cancer stem cells in spine tumors: review of current literature. *Neurosurgery*. 2012 Jul;71(1):117-25. doi: 10.1227/NEU.0b013e3182532e71. Review. PubMed PMID: 22418583.
- 182: Chesler DA, Pendleton C, Jallo GI, Quiñones-Hinojosa A. "Colossal" breakthrough: the callosal puncture as a precursor to third ventriculostomy. *Minim Invasive Neurosurg*. 2011 Oct;54(5-6):243-6. doi: 10.1055/s-0031-1297249. Epub 2012 Jan 25. PubMed PMID: 22278787; PubMed Central PMCID: PMC4617628.
- 183: Guerrero-Cazares H, Attenello FJ, Noiman L, Quiñones-Hinojosa A. Stem cells in gliomas. *Handb Clin Neurol*. 2012;104:63-73. doi: 10.1016/B978-0-444-52138-5.00006-2. Review. PubMed PMID: 22230436.
- 184: Gonzalez-Perez O, Quiñones-Hinojosa A. Astrocytes as neural stem cells in the adult brain. *J Stem Cells*. 2012;7(3):181-8. doi: jsc.2012.7.3.181. Review. PubMed PMID: 23619383; PubMed Central PMCID: PMC4151391.
- 185: Chesler DA, Berger MS, Quinones-Hinojosa A. The potential origin of glioblastoma initiating cells. *Front Biosci (Schol Ed)*. 2012 Jan 1;4:190-205. Review. PubMed PMID: 22202053; PubMed Central PMCID: PMC3635065.
- 186: Pendleton C, Ahmed I, Quinones-Hinojosa A. Neurotransplantation: lux et veritas, fiction or reality? *J Neurosurg Sci*. 2011 Dec;55(4):297-304. Review. PubMed PMID: 22198582; PubMed Central PMCID: PMC4659364.
- 187: Zamora-Berridi GJ, Pendleton C, Ruiz G, Cohen-Gadol AA, Quiñones-Hinojosa A. Santiago Ramón y Cajal and Harvey Cushing: two forefathers of neuroscience and neurosurgery. *World Neurosurg*. 2011 Nov;76(5):466-76. doi: 10.1016/j.wneu.2011.04.001. PubMed PMID: 22152577.
- 188: Mehta VA, Wijesekera O, Pendleton C, Quiñones-Hinojosa A, Jallo GI, Ahn ES. Harvey Cushing and "birth hemorrhage": early pediatric neurosurgery at The Johns Hopkins Hospital. *J Neurosurg Pediatr*. 2011 Dec;8(6):647-53. doi: 10.3171/2011.9.PEDS11198. PubMed PMID: 22132925.
- 189: Pendleton C, Jiang B, Geocadin RG, Quinones-Hinojosa A. "Any possible restoration of function could not occur": Harvey Cushing and the early description of brain death. *World Neurosurg*. 2012 Feb;77(2):394-7. doi: 10.1016/j.wneu.2011.04.016. Epub 2011 Nov 7. PubMed PMID: 22120395; PubMed Central PMCID: PMC4618458.

- 190: Pendleton C, Olivi A, Brem H, Quiñones-Hinojosa A. Harvey Cushing's early treatment of meningiomas: the untold story. *World Neurosurg.* 2013 Jul-Aug;80(1-2):217-21. doi: 10.1016/j.wneu.2011.08.021. Epub 2011 Nov 7. PubMed PMID: 22120300.
- 191: Pendleton C, Jallo GI, Quiñones-Hinojosa A. Early multimodality treatment of intracranial abscesses. *World Neurosurg.* 2012 Dec;78(6):712-4. doi: 10.1016/j.wneu.2011.09.024. Epub 2011 Nov 1. Review. PubMed PMID: 22120258.
- 192: Guerrero-Cázares H, Chen L, Quiñones-Hinojosa A. Glioblastoma heterogeneity and more accurate representation in research models. *World Neurosurg.* 2012 Dec;78(6):594-6. doi: 10.1016/j.wneu.2011.10.022. Epub 2011 Nov 1. PubMed PMID: 22120218; PubMed Central PMCID: PMC4618459.
- 193: Pendleton C, Adams H, Mathioudakis N, Quiñones-Hinojosa A. Sellar door: Harvey Cushing's entry into the pituitary gland, the unabridged Johns Hopkins experience 1896-1912. *World Neurosurg.* 2013 Feb;79(2):394-403. doi: 10.1016/j.wneu.2010.12.007. Epub 2011 Nov 11. PubMed PMID: 22079823; PubMed Central PMCID: PMC3936577.
- 194: Mathioudakis N, Pendleton C, Quinones-Hinojosa A, Wand GS, Salvatori R. ACTH-secreting pituitary neuroendocrine tumors: size does not correlate with hormonal activity. *Pituitary.* 2012 Dec;15(4):526-32. doi: 10.1007/s11102-011-0362-8. PubMed PMID: 22057967; PubMed Central PMCID: PMC4648273.
- 195: Dmetrichuk JM, Pendleton C, Jallo GI, Quiñones-Hinojosa A. Father of neurosurgery: Harvey Cushing's early experience with a pediatric brainstem glioma at the Johns Hopkins Hospital. *J Neurosurg Pediatr.* 2011 Oct;8(4):337-41. doi: 10.3171/2011.7.PEDS11101. PubMed PMID: 21961537.
- 196: Latimer K, Pendleton C, Cohen-Gadol AA, Gokaslan ZL, Quinones-Hinojosa A. Harvey Cushing's operative treatment of metastatic breast cancer to the central nervous system in the early 1900s. *Arch Surg.* 2011 Aug;146(8):975-9. doi: 10.1001/archsurg.2011.170. PubMed PMID: 21844440.
- 197: Zeng J, See AP, Aziz K, Thiyagarajan S, Salih T, Gajula RP, Armour M, Phallen J, Terezakis S, Kleinberg L, Redmond K, Hales RK, Salvatori R, Quinones-Hinojosa A, Tran PT, Lim M. Nelfinavir induces radiation sensitization in pituitary neuroendocrine tumor cells. *Cancer Biol Ther.* 2011 Oct 1;12(7):657-63. Epub 2011 Oct 1. PubMed PMID: 21811091; PubMed Central PMCID: PMC5724381.
- 198: Undabeitia J, Pendleton C, Jallo GI, Quiñones-Hinojosa A. Operative treatment for microcephaly secondary to craniosynostosis at the turn of the twentieth century. *Childs Nerv Syst.* 2011 Nov;27(11):1995-8. doi: 10.1007/s00381-011-1531-9. Epub 2011 Jul 27. PubMed PMID: 21792520.
- 199: Chaichana KL, Zaidi H, Pendleton C, McGirt MJ, Grossman R, Weingart JD, Olivi A, Quiñones-Hinojosa A, Brem H. The efficacy of carmustine wafers for older patients with glioblastoma multiforme: prolonging survival. *Neurol Res.* 2011 Sep;33(7):759-64. doi: 10.1179/1743132811Y.0000000006. PubMed PMID: 21756557; PubMed Central PMCID: PMC4612577.
- 200: Pendleton C, Quinones-Hinojosa A, Redett RJ, Dorafshar AH. Harvey Cushing: early use of tendon transfers for repair of foot deformity. A historical case report. *Acta Orthop.* 2011 Aug;82(4):504-6. doi: 10.3109/17453674.2011.596065. Epub 2011 Jul 13. PubMed PMID: 21751859; PubMed Central PMCID: PMC3237045.
- 201: Zaidi HA, Pendleton C, Cohen-Gadol AA, Quinones-Hinojosa A. Harvey Cushing's repair of a dural defect after a traumatic brain injury: novel use of a fat graft. *World Neurosurg.* 2011 May-Jun;75(5-6):696-9. doi: 10.1016/j.wneu.2010.11.014. PubMed PMID: 21704938.

- 202: Hsu W, Mohyeldin A, Shah SR, ap Rhys CM, Johnson LF, Sedora-Roman NI, Kosztowski TA, Awad OA, McCarthy EF, Loeb DM, Wolinsky JP, Gokaslan ZL, Quiñones-Hinojosa A. Generation of chordoma cell line JHC7 and the identification of Brachyury as a novel molecular target. *J Neurosurg.* 2011 Oct;115(4):760-9. doi: 10.3171/2011.5.JNS11185. Epub 2011 Jun 24. PubMed PMID: 21699479; PubMed Central PMCID: PMC4273567.
- 203: Latimer K, Pendleton C, Rosenberg J, Cohen-Gadol AA, Quiñones-Hinojosa A. Dr. Harvey Cushing's attempts to cure migraine based on theories of pathophysiology. *J Neurosurg.* 2011 Nov;115(5):924-8. doi: 10.3171/2011.5.JNS101855. Epub 2011 Jun 17. PubMed PMID: 21682563.
- 204: Pendleton C, Ahn ES, Quiñones-Hinojosa A. Harvey Cushing and pediatric brain tumors at Johns Hopkins: the early stages of development. *J Neurosurg Pediatr.* 2011 Jun;7(6):575-88. doi: 10.3171/2011.3.PEDS10323. PubMed PMID: 21631192; PubMed Central PMCID: PMC4618461.
- 205: Li Y, Li A, Glas M, Lal B, Ying M, Sang Y, Xia S, Trageser D, Guerrero-Cázares H, Eberhart CG, Quiñones-Hinojosa A, Scheffler B, Latterra J. c-Met signaling induces a reprogramming network and supports the glioblastoma stem-like phenotype. *Proc Natl Acad Sci U S A.* 2011 Jun 14;108(24):9951-6. doi: 10.1073/pnas.1016912108. Epub 2011 May 31. PubMed PMID: 21628563; PubMed Central PMCID: PMC3116406.
- 206: Dmetrichuk JM, Pendleton C, Ahn ES, Quiñones-Hinojosa A. The understanding and operative treatment of cerebral palsy at the turn of the twentieth century: Harvey Cushing's early forays into pediatric neurosurgery. *Childs Nerv Syst.* 2011 Sep;27(9):1483-8. doi: 10.1007/s00381-011-1478-x. Epub 2011 May 17. PubMed PMID: 21584747.
- 207: Pendleton C, Jiang B, Adams H, Burger P, Quiñones-Hinojosa A. Harvey Cushing's surgical treatment of a pediatric patient with an intraventricular glioma. *Pediatr Neurosurg.* 2010;46(6):475-9. doi: 10.1159/000327218. Epub 2011 May 10. PubMed PMID: 21555908.
- 208: Tzeng SY, Guerrero-Cázares H, Martinez EE, Sunshine JC, Quiñones-Hinojosa A, Green JJ. Non-viral gene delivery nanoparticles based on poly(β -amino esters) for treatment of glioblastoma. *Biomaterials.* 2011 Aug;32(23):5402-10. doi: 10.1016/j.biomaterials.2011.04.016. Epub 2011 May 4. PubMed PMID: 21536325; PubMed Central PMCID: PMC3118545.
- 209: Raza SM, Recinos PF, Avendano J, Adams H, Jallo GI, Quiñones-Hinojosa A. Minimally invasive trans-portal resection of deep intracranial lesions. *Minim Invasive Neurosurg.* 2011 Feb;54(1):5-11. doi: 10.1055/s-0031-1273734. Epub 2011 Apr 20. PubMed PMID: 21509723.
- 210: Pendleton C, Olivi A, Jallo GI, Quiñones-Hinojosa A. Unique challenges faced by pediatric neurosurgeon Harvey Cushing in 1909 at Johns Hopkins: a choroid plexus tumor of the lateral ventricle mimicking a cerebellar lesion. *Childs Nerv Syst.* 2011 Jul;27(7):1145-8. doi: 10.1007/s00381-011-1444-7. Epub 2011 Apr 15. PubMed PMID: 21494884; PubMed Central PMCID: PMC4612578.
- 211: Grossman R, Mukherjee D, Chang DC, Bennett R, Brem H, Olivi A, Quiñones-Hinojosa A. Preoperative Charlson comorbidity score predicts postoperative outcomes among older intracranial meningioma patients. *World Neurosurg.* 2011 Feb;75(2):279-85. doi: 10.1016/j.wneu.2010.09.003. PubMed PMID: 21492731.
- 212: Ford EC, Achanta P, Purger D, Armour M, Reyes J, Fong J, Kleinberg L, Redmond K, Wong J, Jang MH, Jun H, Song HJ, Quiñones-Hinojosa A. Localized CT-guided irradiation inhibits neurogenesis in specific regions of the adult mouse brain. *Radiat Res.* 2011 Jun;175(6):774-83. doi: 10.1667/RR2214.1. Epub 2011 Mar 30. PubMed PMID: 21449714; PubMed Central PMCID:

PMC3142866.

213: Adams H, Pendleton C, Latimer K, Cohen-Gadol AA, Carson BS, Quinones-Hinojosa A. Harvey Cushing's case series of trigeminal neuralgia at the Johns Hopkins Hospital: a surgeon's quest to advance the treatment of the 'suicide disease'. *Acta Neurochir (Wien)*. 2011 May;153(5):1043-50. doi: 10.1007/s00701-011-0975-8. Epub 2011 Mar 17. PubMed PMID: 21409517.

214: Pendleton C, Mathioudakis N, Salvatori R, Quinones-Hinojosa A. "Glandular intoxication" following emergent tracheotomy during transsphenoidal surgery for acromegaly: Cushing's 1910 unrecognized case of thyroid storm? *Pituitary*. 2012 Jun;15(2):174-8. doi: 10.1007/s11102-011-0301-8. Review. PubMed PMID: 21394474; PubMed Central PMCID: PMC6121703.

215: Ying M, Wang S, Sang Y, Sun P, Lal B, Goodwin CR, Guerrero-Cazares H, Quinones-Hinojosa A, Larterra J, Xia S. Regulation of glioblastoma stem cells by retinoic acid: role for Notch pathway inhibition. *Oncogene*. 2011 Aug 4;30(31):3454-67. doi: 10.1038/onc.2011.58. Epub 2011 Mar 7. PubMed PMID: 21383690; PubMed Central PMCID: PMC3955956.

216: Guerrero-Cázares H, Gonzalez-Perez O, Soriano-Navarro M, Zamora-Berridi G, García-Verdugo JM, Quinoñes-Hinojosa A. Cytoarchitecture of the lateral ganglionic eminence and rostral extension of the lateral ventricle in the human fetal brain. *J Comp Neurol*. 2011 Apr 15;519(6):1165-80. doi: 10.1002/cne.22566. PubMed PMID: 21344407; PubMed Central PMCID: PMC3886186.

217: Latimer K, Pendleton C, Olivi A, Cohen-Gadol AA, Brem H, Quiñones-Hinojosa A. Harvey Cushing's open and thorough documentation of surgical mishaps at the dawn of neurologic surgery. *Arch Surg*. 2011 Feb;146(2):226-32. doi: 10.1001/archsurg.2010.319. PubMed PMID: 21339437.

218: Redmond KJ, Achanta P, Grossman SA, Armour M, Reyes J, Kleinberg L, Tryggestad E, Quinones-Hinojosa A, Ford EC. A radiotherapy technique to limit dose to neural progenitor cell niches without compromising tumor coverage. *J Neurooncol*. 2011 Sep;104(2):579-87. doi: 10.1007/s11060-011-0530-8. Epub 2011 Feb 14. PubMed PMID: 21327710; PubMed Central PMCID: PMC4648285.

219: Kim T, Momin E, Choi J, Yuan K, Zaidi H, Kim J, Park M, Lee N, McMahon MT, Quinones-Hinojosa A, Bulte JW, Hyeon T, Gilad AA. Mesoporous silica-coated hollow manganese oxide nanoparticles as positive T1 contrast agents for labeling and MRI tracking of adipose-derived mesenchymal stem cells. *J Am Chem Soc*. 2011 Mar 9;133(9):2955-61. doi: 10.1021/ja1084095. Epub 2011 Feb 11. PubMed PMID: 21314118; PubMed Central PMCID: PMC3048840.

220: Owusu Boahene KD, Lim M, Chu E, Quinones-Hinojosa A. Transpalpebral orbitofrontal craniotomy: a minimally invasive approach to anterior cranial vault lesions. *Skull Base*. 2010 Jul;20(4):237-44. doi: 10.1055/s-0030-1249247. PubMed PMID: 21311616; PubMed Central PMCID: PMC3023318.

221: Zaidi HA, Pendleton C, Pradilla G, Cohen-Gadol AA, Belzberg AJ, Quiñones-Hinojosa A. Harvey Cushing's innovative attempt at xenotransplanting a rabbit spinal cord in a patient after resection of a peripheral nerve tumor in 1902. *Neurosurgery*. 2011 Mar;68(3):773-8; discussion 778-80. doi: 10.1227/NEU.0b013e3182077239. PubMed PMID: 21311303.

222: Pendleton C, Dorsi MJ, Belzberg AJ, Cohen-Gadol AA, Quiñones-Hinojosa A. "Can't walk nor raise arms to head": Harvey Cushing's surgical treatment of poliomyelitis. *Spine (Phila Pa 1976)*. 2012 Feb 15;37(4):330-3. doi: 10.1097/BRS.0b013e318212b56a. PubMed PMID: 21301395; PubMed Central PMCID: PMC4696062.

- 223: Sedora-Román NI, Pendleton C, Mohyeldin A, Quiñones-Hinojosa A. Harvey Cushing's early experience with pediatric gliomas. *Childs Nerv Syst.* 2011 May;27(5):819-24. doi: 10.1007/s00381-011-1392-2. Epub 2011 Feb 2. PubMed PMID: 21287180.
- 224: Ying M, Sang Y, Li Y, Guerrero-Cazares H, Quinones-Hinojosa A, Vescovi AL, Eberhart CG, Xia S, Lattera J. Krüppel-like family of transcription factor 9, a differentiation-associated transcription factor, suppresses Notch1 signaling and inhibits glioblastoma-initiating stem cells. *Stem Cells.* 2011 Jan;29(1):20-31. doi: 10.1002/stem.561. PubMed PMID: 21280156; PubMed Central PMCID: PMC3516843.
- 225: Dasenbrock HH, Pendleton C, McGirt MJ, Sciubba DM, Gokaslan ZL, Quiñones-Hinojosa A, Bydon A. "Fulfilling the chief of his duties as a physician": Harvey Cushing, selective dorsal rhizotomy and elective spine surgery for quality of life. *J Neurosurg Spine.* 2011 Mar;14(3):421-7. doi: 10.3171/2010.10.SPINE10152. Epub 2011 Jan 21. PubMed PMID: 21250816; PubMed Central PMCID: PMC4612574.
- 226: Dasenbrock HH, Pendleton C, Cohen-Gadol AA, Wolinsky JP, Gokaslan ZL, Quinones-Hinojosa A, Bydon A. "No performance in surgery more interesting and satisfactory": Harvey Cushing and his experience with spinal cord tumors at the Johns Hopkins Hospital. *J Neurosurg Spine.* 2011 Mar;14(3):412-20. doi: 10.3171/2010.10.SPINE10147. Epub 2011 Jan 21. PubMed PMID: 21250810; PubMed Central PMCID: PMC4612569.
- 227: Bydon A, Dasenbrock HH, Pendleton C, McGirt MJ, Gokaslan ZL, Quinones-Hinojosa A. Harvey Cushing, the spine surgeon: the surgical treatment of Pott disease. *Spine (Phila Pa 1976).* 2011 Aug 1;36(17):1420-5. doi: 10.1097/BRS.0b013e3181f2a2c6. PubMed PMID: 21224751; PubMed Central PMCID: PMC4612634.
- 228: Pendleton C, Ahn ES, Jallo GI, Quiñones-Hinojosa A. Harvey Cushing and early spinal dysraphism repair at Johns Hopkins Hospital. *J Neurosurg Pediatr.* 2011 Jan;7(1):47-51. doi: 10.3171/2010.10.PEDS10351. PubMed PMID: 21194287.
- 229: Gonzalez-Perez O, Guerrero-Cazares H, Quiñones-Hinojosa A. Targeting of deep brain structures with microinjections for delivery of drugs, viral vectors, or cell transplants. *J Vis Exp.* 2010 Dec 1;(46). pii: 2082. doi: 10.3791/2082. PubMed PMID: 21178958; PubMed Central PMCID: PMC3159672.
- 230: Dasenbrock HH, Pendleton C, Cohen-Gadol AA, Witham TF, Gokaslan ZL, Quinones-Hinojosa A, Bydon A. "No clinical puzzles more interesting": Harvey Cushing and spinal trauma, the Johns Hopkins Hospital 1896-1912. *Neurosurgery.* 2011 Feb;68(2):420-30; discussion 430. doi: 10.1227/NEU.0b013e318201be60. PubMed PMID: 21135734; PubMed Central PMCID: PMC4612628.
- 231: Pendleton C, Jallo GI, Cohen-Gadol AA, Quiñones-Hinojosa A. "Groans less, seems more comfortable:" Harvey Cushing's redefinition of success in the operative treatment of pediatric intracranial lesions. *Childs Nerv Syst.* 2011 Jan;27(1):155-61. doi: 10.1007/s00381-010-1310-z. Epub 2010 Oct 27. PubMed PMID: 20978769.
- 232: Raza SM, Boahene KD, Quinones-Hinojosa A. The transpalpebral incision: its use in keyhole approaches to cranial base brain tumors. *Expert Rev Neurother.* 2010 Nov;10(11):1629-32. doi: 10.1586/ern.10.144. PubMed PMID: 20977320.
- 233: Chaichana KL, Chaichana KK, Olivi A, Weingart JD, Bennett R, Brem H, Quiñones-Hinojosa A. Surgical outcomes for older patients with glioblastoma multiforme: preoperative factors associated with decreased survival. Clinical article. *J Neurosurg.* 2011 Mar;114(3):587-94. doi: 10.3171/2010.8.JNS1081. Epub 2010 Oct 1. PubMed PMID: 20887095; PubMed Central PMCID:

PMC4020429.

234: Dorafshar AH, Pendleton C, Quinones-Hinojosa A, Redett RJ. Cleft lip-cleft palate closure: the unknown contributions of Harvey Cushing. *Plast Reconstr Surg.* 2010 Oct;126(4):1320-4. doi: 10.1097/PRS.0b013e3181ead168. PubMed PMID: 20885253.

235: Menucci M, Quiñones-Hinojosa A, Burger P, Salvatori R. Effect of dopaminergic drug treatment on surgical findings in prolactinomas. *Pituitary.* 2011 Mar;14(1):68-74. doi: 10.1007/s11102-010-0261-4. PubMed PMID: 20878243; PubMed Central PMCID: PMC4612584.

236: Kellogg R, Pendleton C, Quinones-Hinojosa A, Cohen-Gadol AA. Surgical treatment of trigeminal neuralgia: a history of early strides toward curing a "cancerous acrimony". *Neurosurgery.* 2010 Nov;67(5):1419-25; discussion 1425. doi: 10.1227/NEU.0b013e3181f0ef13. PubMed PMID: 20871443.

237: Gonzalez-Perez O, Quiñones-Hinojosa A, Garcia-Verdugo JM. Immunological control of adult neural stem cells. *J Stem Cells.* 2010;5(1):23-31. doi: jsc.2010.5.1.23. Review. PubMed PMID: 20861925; PubMed Central PMCID: PMC2946325.

238: Zlotnick D, Kalkanis SN, Quinones-Hinojosa A, Chung K, Linskey ME, Jensen RL, DeMonte F, Barker FG, Racine CA, Berger MS, Black PM, Cusimano M, Sekhar LN, Parsa A, Aghi M, McDermott MW. FACT-MNG: tumor site specific web-based outcome instrument for meningioma patients. *J Neurooncol.* 2010 Sep;99(3):423-31. doi: 10.1007/s11060-010-0394-3. Epub 2010 Sep 18. Review. PubMed PMID: 20853019; PubMed Central PMCID: PMC2945473.

239: Raza SM, Quinones-Hinojosa A. The extended retrosigmoid approach for neoplastic lesions in the posterior fossa: technique modification. *Neurosurg Rev.* 2011 Jan;34(1):123-9. doi: 10.1007/s10143-010-0284-3. Epub 2010 Sep 14. PubMed PMID: 20838839; PubMed Central PMCID: PMC4612613.

240: Sun DQ, Cheng JJ, Frazier JL, Batra S, Wand G, Kleinberg LR, Rigamonti D, Quinones-Hinojosa A, Salvatori R, Lim M. Treatment of pituitary neuroendocrine tumors using radiosurgery and radiotherapy: a single center experience and review of literature. *Neurosurg Rev.* 2010 Apr;34(2):181-9. doi: 10.1007/s10143-010-0285-2. Epub 2010 Sep 14. PubMed PMID: 20838838.

241: Pendleton C, Adams H, Salvatori R, Wand G, Quiñones-Hinojosa A. On the shoulders of giants: Harvey Cushing's experience with acromegaly and gigantism at the Johns Hopkins Hospital, 1896-1912. *Pituitary.* 2011 Mar;14(1):53-60. doi: 10.1007/s11102-010-0258-z. PubMed PMID: 20821269.

242: Grossman R, Mukherjee D, Chang DC, Purtell M, Lim M, Brem H, Quiñones-Hinojosa A. Predictors of inpatient death and complications among postoperative elderly patients with metastatic brain tumors. *Ann Surg Oncol.* 2011 Feb;18(2):521-8. doi: 10.1245/s10434-010-1299-2. Epub 2010 Aug 31. PubMed PMID: 20809176; PubMed Central PMCID: PMC4859207.

243: Pendleton C, Adams H, Laws ER, Quinones-Hinojosa A. The elusive Minnie G.: revisiting Cushing's case XLV, and his early attempts at improving quality of life. *Pituitary.* 2010 Dec;13(4):361-6. doi: 10.1007/s11102-010-0248-1. PubMed PMID: 20711851.

244: Chaichana KL, Garzon-Muvdi T, Parker S, Weingart JD, Olivi A, Bennett R, Brem H, Quiñones-Hinojosa A. Supratentorial glioblastoma multiforme: the role of surgical resection versus biopsy among older patients. *Ann Surg Oncol.* 2011 Jan;18(1):239-45. doi: 10.1245/s10434-010-1242-6. Epub 2010 Aug 10. PubMed PMID: 20697823; PubMed Central PMCID: PMC4612568.

- 245: Mohyeldin A, Garzón-Muvdi T, Quiñones-Hinojosa A. Oxygen in stem cell biology: a critical component of the stem cell niche. *Cell Stem Cell*. 2010 Aug 6;7(2):150-61. doi: 10.1016/j.stem.2010.07.007. Review. PubMed PMID: 20682444.
- 246: Conway JE, Raza SM, Li K, McDermott MW, Quiñones-Hinojosa A. A surgical modification for performing orbitozygomatic osteotomies: technical note. *Neurosurg Rev*. 2010 Oct;33(4):491-500. doi: 10.1007/s10143-010-0274-5. Epub 2010 Jul 27. PubMed PMID: 20661761.
- 247: de Almeida JP, Sherman JH, Salvatori R, Quiñones-Hinojosa A. Pituitary stem cells: review of the literature and current understanding. *Neurosurgery*. 2010 Sep;67(3):770-80. doi: 10.1227/01.NEU.0000373013.75994.CD. Review. PubMed PMID: 20651623.
- 248: Pendleton C, Wand G, Quinones-Hinojosa A. The autopsy was conducted "Under most inauspicious circumstances:" John Turner, Harvey Cushing's case XXXII, and his unwitting contributions to the early understanding of acromegaly. *Pituitary*. 2010 Dec;13(4):324-8. doi: 10.1007/s11102-010-0239-2. PubMed PMID: 20607416.
- 249: Momin EN, Mohyeldin A, Zaidi HA, Vela G, Quiñones-Hinojosa A. Mesenchymal stem cells: new approaches for the treatment of neurological diseases. *Curr Stem Cell Res Ther*. 2010 Dec;5(4):326-44. Review. PubMed PMID: 20528757.
- 250: Chaichana KL, Halthore AN, Parker SL, Olivi A, Weingart JD, Brem H, Quinones-Hinojosa A. Factors involved in maintaining prolonged functional independence following supratentorial glioblastoma resection. Clinical article. *J Neurosurg*. 2011 Mar;114(3):604-12. doi: 10.3171/2010.4.JNS091340. Epub 2010 Jun 4. PubMed PMID: 20524825; PubMed Central PMCID: PMC3725949.
- 251: Pendleton C, Zaidi HA, Chaichana KL, Raza SM, Carson BS, Cohen-Gadol AA, Quinones-Hinojosa A. Harvey Cushing's contributions to motor mapping: 1902-1912. *Cortex*. 2012 Jan;48(1):7-14. doi: 10.1016/j.cortex.2010.04.006. Epub 2010 Apr 29. Review. PubMed PMID: 20510407.
- 252: Chu EA, Quinones-Hinojosa A, Boahene KD. Trans-blepharoplasty orbitofrontal craniotomy for repair of lateral and posterior frontal sinus cerebrospinal fluid leak. *Otolaryngol Head Neck Surg*. 2010 Jun;142(6):906-8. doi: 10.1016/j.otohns.2010.01.009. Epub 2010 Apr 3. PubMed PMID: 20493366.
- 253: Momin EN, Vela G, Zaidi HA, Quiñones-Hinojosa A. The Oncogenic Potential of Mesenchymal Stem Cells in the Treatment of Cancer: Directions for Future Research. *Curr Immunol Rev*. 2010 May 1;6(2):137-148. PubMed PMID: 20490366; PubMed Central PMCID: PMC2873198.
- 254: Grossman R, Mukherjee D, Chaichana KL, Salvatori R, Wand G, Brem H, Chang DC, Quiñones-Hinojosa A. Complications and death among elderly patients undergoing pituitary tumour surgery. *Clin Endocrinol (Oxf)*. 2010 Sep;73(3):361-8. doi: 10.1111/j.1365-2265.2010.03813.x. Epub 2010 Apr 23. PubMed PMID: 20455889.
- 255: Hughes SA, Achanta P, Ho AL, Duenas VJ, Quiñones-Hinojosa A. Biological horizons for targeting brain malignancy. *Adv Exp Med Biol*. 2010;671:93-104. PubMed PMID: 20455498.
- 256: Shah A, Garzon-Muvdi T, Mahajan R, Duenas VJ, Quiñones-Hinojosa A. Animal models of neurological disease. *Adv Exp Med Biol*. 2010;671:23-40. Review. PubMed PMID: 20455493.
- 257: Frazier JL, Johnson MW, Burger PC, Weingart JD, Quinones-Hinojosa A. Rapid malignant transformation of low-grade astrocytomas: report of 2 cases and review of the literature. *World Neurosurg*. 2010 Jan;73(1):53-62; discussion e5. doi: 10.1016/j.surneu.2009.05.010. Epub 2009 Aug 7.

Review. PubMed PMID: 20452869.

258: Pendleton C, Zaidi HA, Jallo G, Cohen-Gadol AA, Quiñones-Hinojosa A. Harvey Cushing's use of a transplanted human vein to treat hydrocephalus in an infant in the early 1900s. Historical vignette. *J Neurosurg Pediatr*. 2010 May;5(5):423-7. doi: 10.3171/2009.12.PEDS09388. PubMed PMID: 20433251.

259: Raza SM, Garzon-Muvdi T, Boahene K, Olivi A, Gallia G, Lim M, Subramanian P, Quinones-Hinojosa A. The supraorbital craniotomy for access to the skull base and intraaxial lesions: a technique in evolution. *Minim Invasive Neurosurg*. 2010 Feb;53(1):1-8. doi: 10.1055/s-0030-1247504. Epub 2010 Apr 7. PubMed PMID: 20376737.

260: Chaichana KL, Kosztowski T, Niranjan A, Olivi A, Weingart JD, Laterra J, Brem H, Quiñones-Hinojosa A. Prognostic significance of contrast-enhancing anaplastic astrocytomas in adults. *J Neurosurg*. 2010 Aug;113(2):286-92. doi: 10.3171/2010.2.JNS091010. PubMed PMID: 20302391.

261: Mukherjee D, Zaidi HA, Kosztowski T, Chaichana KL, Brem H, Chang DC, Quiñones-Hinojosa A. Disparities in access to neuro-oncologic care in the United States. *Arch Surg*. 2010 Mar;145(3):247-53. doi: 10.1001/archsurg.2009.288. PubMed PMID: 20231625.

262: Vogel TD, Pendleton C, Quiñones-Hinojosa A, Cohen-Gadol AA. Surgery for cervical dystonia: the emergence of denervation and myotomy techniques and the contributions of early surgeons at The Johns Hopkins Hospital. *J Neurosurg Spine*. 2010 Mar;12(3):280-5. doi: 10.3171/2009.9.SPINE09276. PubMed PMID: 20192628.

263: Gonzalez-Perez O, Quiñones-Hinojosa A. Dose-dependent effect of EGF on migration and differentiation of adult subventricular zone astrocytes. *Glia*. 2010 Jun;58(8):975-83. doi: 10.1002/glia.20979. PubMed PMID: 20187143; PubMed Central PMCID: PMC2915565.

264: Achanta P, Sedora Roman NI, Quiñones-Hinojosa A. Gliomagenesis and the use of neural stem cells in brain tumor treatment. *Anticancer Agents Med Chem*. 2010 Feb;10(2):121-30. Review. PubMed PMID: 20184546; PubMed Central PMCID: PMC2981502.

265: Mukherjee D, Raza SM, Boahene KD, Quiñones-Hinojosa A. Giant encephalocele. *Br J Neurosurg*. 2010 Apr;24(2):219-20. doi: 10.3109/02688690903506150. PubMed PMID: 20121534.

266: Garzón-Muvdi T, Quiñones-Hinojosa A. Neural stem cell niches and homing: recruitment and integration into functional tissues. *ILAR J*. 2009;51(1):3-23. Review. PubMed PMID: 20075495.

267: Hales RK, Shokek O, Burger PC, Paynter NP, Chaichana KL, Quiñones-Hinojosa A, Jallo GI, Cohen KJ, Song DY, Carson BS, Wharam MD. Prognostic factors in pediatric high-grade astrocytoma: the importance of accurate pathologic diagnosis. *J Neurooncol*. 2010 Aug;99(1):65-71. doi: 10.1007/s11060-009-0102-3. Epub 2009 Dec 31. PubMed PMID: 20043190.

268: Pendleton C, Zaidi HA, Pradilla G, Cohen-Gadol AA, Quiñones-Hinojosa A. Harvey Cushing's attempt at the first human pituitary transplantation. *Nat Rev Endocrinol*. 2010 Jan;6(1):48-52. doi: 10.1038/nrendo.2009.223. PubMed PMID: 20010970.

269: Baird CJ, Conway JE, Sciubba DM, Prevedello DM, Quiñones-Hinojosa A, Kassam AB. Radiographic and anatomic basis of endoscopic anterior craniocervical decompression: a comparison of endonasal, transoral, and transcervical approaches. *Neurosurgery*. 2009 Dec;65(6 Suppl):158-63; discussion 63-4. doi: 10.1227/01.NEU.0000345641.97181.ED. PubMed PMID: 19934990.

270: Purger D, McNutt T, Achanta P, Quiñones-Hinojosa A, Wong J, Ford E. A histology-based atlas of

- the C57BL/6J mouse brain deformably registered to in vivo MRI for localized radiation and surgical targeting. *Phys Med Biol.* 2009 Dec 21;54(24):7315-27. doi: 10.1088/0031-9155/54/24/005. Epub 2009 Nov 20. PubMed PMID: 19926915; PubMed Central PMCID: PMC3365531.
- 271: Mukherjee D, Zaidi HA, Kosztowski TA, Halthore A, Jallo GI, Salvatori R, Chang DC, Quiñones-Hinojosa A. Variations in referral patterns for hypophysectomies among pediatric patients with sellar and parasellar tumors. *Childs Nerv Syst.* 2010 Mar;26(3):305-11. doi: 10.1007/s00381-009-1014-4. Epub 2009 Nov 10. PubMed PMID: 19902221.
- 272: Quiñones-Hinojosa A, Kaprealian T, Chaichana KL, Sanai N, Parsa AT, Berger MS, McDermott MW. Pre-operative factors affecting resectability of giant intracranial meningiomas. *Can J Neurol Sci.* 2009 Sep;36(5):623-30. PubMed PMID: 19831133.
- 273: Patel NB, Pendleton C, Quiñones-Hinojosa A, Cohen-Gadol AA. A unique experiment in neurological surgery: intracerebral injection of antitoxin for tetanus. *J Neurosurg.* 2010 Jun;112(6):1318-21. doi: 10.3171/2009.7.JNS09681. PubMed PMID: 19817546.
- 274: Chaichana K, Parker S, Olivi A, Quiñones-Hinojosa A. A proposed classification system that projects outcomes based on preoperative variables for adult patients with glioblastoma multiforme. *J Neurosurg.* 2010 May;112(5):997-1004. doi: 10.3171/2009.9.JNS09805. PubMed PMID: 19817542.
- 275: Mukherjee D, Kosztowski T, Zaidi HA, Jallo G, Carson BS, Chang DC, Quiñones-Hinojosa A. Disparities in access to pediatric neurooncological surgery in the United States. *Pediatrics.* 2009 Oct;124(4):e688-96. doi: 10.1542/peds.2009-0377. Epub 2009 Sep 28. PubMed PMID: 19786429.
- 276: Raza SM, Conway JE, Li KW, Attenello F, Boahene K, Subramanian P, Quinones-Hinojosa A. A modified frontal-nasal-orbital approach to midline lesions of the anterior cranial fossa and skull base: technical note with case illustrations. *Neurosurg Rev.* 2010 Jan;33(1):63-70. doi: 10.1007/s10143-009-0222-4. Epub 2009 Sep 2. PubMed PMID: 19727873.
- 277: Mukherjee D, Chang DC, Quiñones-Hinojosa A. New methods to assess trends in neuro-oncological care. *J Neurooncol.* 2010 Mar;97(1):155-6. doi: 10.1007/s11060-009-9999-9. Epub 2009 Aug 30. PubMed PMID: 19727560.
- 278: McGirt MJ, Mukherjee D, Chaichana KL, Than KD, Weingart JD, Quinones-Hinojosa A. Association of surgically acquired motor and language deficits on overall survival after resection of glioblastoma multiforme. *Neurosurgery.* 2009 Sep;65(3):463-9; discussion 469-70. doi: 10.1227/01.NEU.0000349763.42238.E9. PubMed PMID: 19687690.
- 279: Chaichana KL, McGirt MJ, Woodworth GF, Datto G, Tamargo RJ, Weingart J, Olivi A, Brem H, Quinones-Hinojosa A. Persistent outpatient hyperglycemia is independently associated with survival, recurrence and malignant degeneration following surgery for hemispheric Low-grade gliomas. *Neurol Res.* 2010 May;32(4):442-8. doi: 10.1179/174313209x431101. Epub 2009 Jul 8. PubMed PMID: 19589201.
- 280: Guerrero-Cázares H, Chaichana KL, Quiñones-Hinojosa A. Neurosphere culture and human organotypic model to evaluate brain tumor stem cells. *Methods Mol Biol.* 2009;568:73-83. doi: 10.1007/978-1-59745-280-9_6. PubMed PMID: 19582422; PubMed Central PMCID: PMC2938041.
- 281: Rodríguez D, Cheung MC, Housri N, Quinones-Hinojosa A, Camphausen K, Koniaris LG. Outcomes of malignant CNS ependymomas: an examination of 2408 cases through the Surveillance, Epidemiology, and End Results (SEER) database (1973-2005). *J Surg Res.* 2009 Oct;156(2):340-51. doi: 10.1016/j.jss.2009.04.024. Epub 2009 May 14. PubMed PMID: 19577759.

282: Sun P, Xia S, Lal B, Eberhart CG, Quinones-Hinojosa A, Maciaczyk J, Matsui W, Dimeco F, Piccirillo SM, Vescovi AL, Latterra J. DNER, an epigenetically modulated gene, regulates glioblastoma-derived neurosphere cell differentiation and tumor propagation. *Stem Cells*. 2009 Jul;27(7):1473-86. doi: 10.1002/stem.89. PubMed PMID: 19544453; PubMed Central PMCID: PMC2935595.

283: Mukherjee D, Zaidi HA, Kosztowski T, Chaichana KL, Salvatori R, Chang DC, Quiñones-Hinojosa A. Predictors of access to pituitary tumor resection in the United States, 1988-2005. *Eur J Endocrinol*. 2009 Aug;161(2):259-65. doi: 10.1530/EJE-09-0043. Epub 2009 May 15. PubMed PMID: 19447900.

284: Kosztowski T, Zaidi HA, Quiñones-Hinojosa A. Applications of neural and mesenchymal stem cells in the treatment of gliomas. *Expert Rev Anticancer Ther*. 2009 May;9(5):597-612. doi: 10.1586/era.09.22. Review. PubMed PMID: 19445577; PubMed Central PMCID: PMC2705652.

285: Zaidi HA, Kosztowski T, DiMeco F, Quiñones-Hinojosa A. Origins and clinical implications of the brain tumor stem cell hypothesis. *J Neurooncol*. 2009 May;93(1):49-60. doi: 10.1007/s11060-009-9856-x. Epub 2009 May 9. Review. PubMed PMID: 19430882; PubMed Central PMCID: PMC2697817.

286: Chaichana KL, Guerrero-Cazares H, Capilla-Gonzalez V, Zamora-Berridi G, Achanta P, Gonzalez-Perez O, Jallo GI, Garcia-Verdugo JM, Quiñones-Hinojosa A. Intra-operatively obtained human tissue: protocols and techniques for the study of neural stem cells. *J Neurosci Methods*. 2009 May 30;180(1):116-25. doi: 10.1016/j.jneumeth.2009.02.014. Epub 2009 Mar 5. PubMed PMID: 19427538; PubMed Central PMCID: PMC2696820.

287: Chaichana KL, McGirt MJ, Latterra J, Olivi A, Quiñones-Hinojosa A. Recurrence and malignant degeneration after resection of adult hemispheric low-grade gliomas. *J Neurosurg*. 2010 Jan;112(1):10-7. doi: 10.3171/2008.10.JNS08608. PubMed PMID: 19361270.

288: Chaichana KL, Parker SL, Olivi A, Quiñones-Hinojosa A. Long-term seizure outcomes in adult patients undergoing primary resection of malignant brain astrocytomas. Clinical article. *J Neurosurg*. 2009 Aug;111(2):282-92. doi: 10.3171/2009.2.JNS081132. PubMed PMID: 19344222.

289: Quiñones-Hinojosa A, Chang EF, Chaichana KL, McDermott MW. Surgical considerations in the management of falcatentorial meningiomas: advantages of the bilateral occipital transtentorial/transfalcal craniotomy for large tumors. *Neurosurgery*. 2009 May;64(5 Suppl 2):260-8; discussion 268. doi: 10.1227/01.NEU.0000344642.98597.A7. PubMed PMID: 19287325.

290: Chaichana KL, McGirt MJ, Niranjana A, Olivi A, Burger PC, Quinones-Hinojosa A. Prognostic significance of contrast-enhancing low-grade gliomas in adults and a review of the literature. *Neurol Res*. 2009 Nov;31(9):931-9. doi: 10.1179/174313209x395454. Epub 2009 Feb 12. PubMed PMID: 19215664.

291: Frazier JL, Quinones-Hinojosa A. Isolated Whipple disease of the brain resembling a tumour. *Acta Neurochir (Wien)*. 2009 Feb;151(2):173-5. doi: 10.1007/s00701-008-0180-6. Epub 2009 Feb 5. PubMed PMID: 19194653.

292: McGirt MJ, Than KD, Weingart JD, Chaichana KL, Attenello FJ, Olivi A, Latterra J, Kleinberg LR, Grossman SA, Brem H, Quiñones-Hinojosa A. Gliadel (BCNU) wafer plus concomitant temozolomide therapy after primary resection of glioblastoma multiforme. *J Neurosurg*. 2009 Mar;110(3):583-8. doi: 10.3171/2008.5.17557. PubMed PMID: 19046047; PubMed Central PMCID: PMC4856017.

293: McGirt MJ, Chaichana KL, Attenello FJ, Weingart JD, Than K, Burger PC, Olivi A, Brem H, Quiñones-Hinojosa A. Extent of surgical resection is independently associated with survival in patients with

- hemispheric infiltrating low-grade gliomas. *Neurosurgery*. 2008 Oct;63(4):700-7; author reply 707-8. doi: 10.1227/01.NEU.0000325729.41085.73. PubMed PMID: 18981880.
- 294: McGirt MJ, Chaichana KL, Gathinji M, Attenello FJ, Than K, Olivi A, Weingart JD, Brem H, Quiñones-Hinojosa AR. Independent association of extent of resection with survival in patients with malignant brain astrocytoma. *J Neurosurg*. 2009 Jan;110(1):156-62. doi: 10.3171/2008.4.17536. PubMed PMID: 18847342.
- 295: McGirt MJ, Chaichana KL, Gathinji M, Attenello F, Than K, Ruiz AJ, Olivi A, Quiñones-Hinojosa A. Persistent outpatient hyperglycemia is independently associated with decreased survival after primary resection of malignant brain astrocytomas. *Neurosurgery*. 2008 Aug;63(2):286-91; discussion 291. doi: 10.1227/01.NEU.0000315282.61035.48. PubMed PMID: 18797358.
- 296: Gathinji M, McGirt MJ, Attenello FJ, Chaichana KL, Than K, Olivi A, Weingart JD, Brem H, Quiñones-Hinojosa A. Association of preoperative depression and survival after resection of malignant brain astrocytoma. *Surg Neurol*. 2009 Mar;71(3):299-303, discussion 303. doi: 10.1016/j.surneu.2008.07.016. Epub 2008 Sep 11. PubMed PMID: 18786716.
- 297: Frazier JL, Chaichana K, Jallo GI, Quiñones-Hinojosa A. Combined endoscopic and microscopic management of pediatric pituitary region tumors through one nostril: technical note with case illustrations. *Childs Nerv Syst*. 2008 Dec;24(12):1469-78. doi: 10.1007/s00381-008-0710-9. Epub 2008 Sep 4. PubMed PMID: 18769925.
- 298: Lawton MT, Quiñones-Hinojosa A, Sanai N, Malek JY, Dowd CF. Combined microsurgical and endovascular management of complex intracranial aneurysms. *Neurosurgery*. 2008 Jun;62(6 Suppl 3):1503-15. doi: 10.1227/01.neu.0000333814.02649.a0. PubMed PMID: 18695569.
- 299: Quiñones-Hinojosa A, Lawton MT. In situ bypass in the management of complex intracranial aneurysms: technique application in 13 patients. *Neurosurgery*. 2008 Jun;62(6 Suppl 3):1442-9. doi: 10.1227/01.neu.0000333808.64530.dd. PubMed PMID: 18695563.
- 300: Attenello FJ, Mukherjee D, Datto G, McGirt MJ, Bohan E, Weingart JD, Olivi A, Quiñones-Hinojosa A, Brem H. Use of Gliadel (BCNU) wafer in the surgical treatment of malignant glioma: a 10-year institutional experience. *Ann Surg Oncol*. 2008 Oct;15(10):2887-93. doi: 10.1245/s10434-008-0048-2. Epub 2008 Jul 18. PubMed PMID: 18636295.
- 301: Niazi T, Quiñones-Hinojosa A, Schmidt MH. Management of brain abscesses associated with halo fixation. *Neurosurg Focus*. 2008;24(6):E14. doi: 10.3171/FOC/2008/24/6/E14. Review. PubMed PMID: 18518744.
- 302: Chaichana KL, McGirt MJ, Frazier J, Attenello F, Guerrero-Cazares H, Quiñones-Hinojosa A. Relationship of glioblastoma multiforme to the lateral ventricles predicts survival following tumor resection. *J Neurooncol*. 2008 Sep;89(2):219-24. doi: 10.1007/s11060-008-9609-2. Epub 2008 May 6. PubMed PMID: 18458819.
- 303: Chang EF, Zada G, Kim S, Lamborn KR, Quiñones-Hinojosa A, Tyrrell JB, Wilson CB, Kunwar S. Long-term recurrence and mortality after surgery and adjuvant radiotherapy for nonfunctional pituitary neuroendocrine tumors. *J Neurosurg*. 2008 Apr;108(4):736-45. doi: 10.3171/JNS/2008/108/4/0736. PubMed PMID: 18377253.
- 304: Sanai N, Quiñones-Hinojosa A, Narvid J, Kunwar S. Safety and efficacy of the direct endonasal transsphenoidal approach for challenging sellar tumors. *J Neurooncol*. 2008 May;87(3):317-25. Epub 2007 Dec 19. PubMed PMID: 18094936.

- 305: Quiñones-Hinojosa A. Terra firma—a journey from migrant farm labor to neurosurgery. *N Engl J Med*. 2007 Aug 9;357(6):529-31. PubMed PMID: 17687127.
- 306: Chaichana KL, Capilla-Gonzalez V, Gonzalez-Perez O, Pradilla G, Han J, Olivi A, Brem H, Garcia-Verdugo JM, Quiñones-Hinojosa A. Preservation of glial cytoarchitecture from ex vivo human tumor and non-tumor cerebral cortical explants: A human model to study neurological diseases. *J Neurosci Methods*. 2007 Aug 30;164(2):261-70. Epub 2007 May 16. PubMed PMID: 17580092; PubMed Central PMCID: PMC2744592.
- 307: Quiñones-Hinojosa A, Chi JH, Manley GT. Emergent placement of halo orthosis after a traumatic cervical injury leading to a cerebral abscess. *J Trauma*. 2007 Jun;62(6):E11-3. PubMed PMID: 17563638.
- 308: Lawton MT, Narvid J, Quiñones-Hinojosa A. Predictors of neurosurgical career choice among residents and residency applicants. *Neurosurgery*. 2007 May;60(5):934-9; discussion 934-9. PubMed PMID: 17460530.
- 309: Quiñones-Hinojosa A, Chaichana K. The human subventricular zone: a source of new cells and a potential source of brain tumors. *Exp Neurol*. 2007 Jun;205(2):313-24. Epub 2007 Mar 23. Review. PubMed PMID: 17459377.
- 310: Quiñones-Hinojosa A, McDermott MW. Angled screw holes for anterior posts and a frame-positioning device for gamma knife radiosurgery: allowing for better targeting of intracranial lesions. *Neurosurgery*. 2007 Apr;60(4 Suppl 2):339-43; discussion 343-4. PubMed PMID: 17415172.
- 311: Quiñones-Hinojosa A, Sanai N, Gonzalez-Perez O, Garcia-Verdugo JM. The human brain subventricular zone: stem cells in this niche and its organization. *Neurosurg Clin N Am*. 2007 Jan;18(1):15-20, vii. Review. PubMed PMID: 17244550.
- 312: Chang S, Vogelbaum M, Lang FF, Haines S, Kunwar S, Chiocca EA, Olivi A, Quinones-Hinojosa A, Parsa A, Warnick R; American Association of Neurological Surgeons and Congress of Neurological Surgeons (AANS/CNS). GNOSIS: guidelines for neuro-oncology: standards for investigational studies—reporting of surgically based therapeutic clinical trials. *J Neurooncol*. 2007 Apr;82(2):211-20. Epub 2006 Dec 5. PubMed PMID: 17146595.
- 313: Lawton MT, Quiñones-Hinojosa A, Jun P. The supratonsillar approach to the inferior cerebellar peduncle: anatomy, surgical technique, and clinical application to cavernous malformations. *Neurosurgery*. 2006 Oct;59(4 Suppl 2):ONS244-51; discussion ONS251-2. PubMed PMID: 17041494.
- 314: Chaichana K, Zamora-Berridi G, Camara-Quintana J, Quiñones-Hinojosa A. Neurosphere assays: growth factors and hormone differences in tumor and nontumor studies. *Stem Cells*. 2006 Dec;24(12):2851-7. Epub 2006 Aug 31. PubMed PMID: 16945995.
- 315: Smith JS, Quiñones-Hinojosa A, Phillips JJ, Bollen AW, McDermott MW, Cha S. Limitations of diffusion-weighted imaging in distinguishing between a brain tumor and a central nervous system histoplasma. *J Neurooncol*. 2006 Sep;79(2):217-8. Epub 2006 Jul 19. PubMed PMID: 16850113.
- 316: Jackson EL, Garcia-Verdugo JM, Gil-Perotin S, Roy M, Quinones-Hinojosa A, Vandenberg S, Alvarez-Buylla A. PDGFR alpha-positive B cells are neural stem cells in the adult SVZ that form glioma-like growths in response to increased PDGF signaling. *Neuron*. 2006 Jul 20;51(2):187-99. PubMed PMID: 16846854.
- 317: Quiñones-Hinojosa A, Robert Kolen E, Jun P, Rosenberg WS, Weinstein PR. Accuracy over space

- and time of computer-assisted [fluoroscopic navigation](#) in the lumbar spine in vivo. *J Spinal Disord Tech.* 2006 Apr;19(2):109-13. PubMed PMID: 16760784.
- 318: Lawton MT, Quiñones-Hinojosa A. Double reimplantation technique to reconstruct arterial bifurcations with giant aneurysms. *Neurosurgery.* 2006 Apr;58(4 Suppl 2):ONS-347-53; discussion ONS-353-4. PubMed PMID: 16582659.
- 319: Quiñones-Hinojosa A, Chang EF, Lawton MT. The extended retrosigmoid approach: an alternative to radical cranial base approaches for posterior fossa lesions. *Neurosurgery.* 2006 Apr;58(4 Suppl 2):ONS-208-14; discussion ONS-214. PubMed PMID: 16582642.
- 320: Sanai N, Quiñones-Hinojosa A, Gupta NM, Perry V, Sun PP, Wilson CB, Lawton MT. Pediatric intracranial aneurysms: durability of treatment following microsurgical and endovascular management. *J Neurosurg.* 2006 Feb;104(2 Suppl):82-9. PubMed PMID: 16506494.
- 321: Guo L, Quiñones-Hinojosa A, Yingling CD, Weinstein PR. Continuous EMG recordings and intraoperative Electrostimulation for identification and protection of cervical nerve roots during foraminal tumor surgery. *J Spinal Disord Tech.* 2006 Feb;19(1):37-42. PubMed PMID: 16462217.
- 322: Quiñones-Hinojosa A, Jun P, Manley GT, Knudson MM, Gupta N. Airbag deployment and improperly restrained children: a lethal combination. *J Trauma.* 2005 Sep;59(3):729-33. PubMed PMID: 16361920.
- 323: Quiñones-Hinojosa A, Sanai N, Soriano-Navarro M, Gonzalez-Perez O, Mirzadeh Z, Gil-Perotin S, Romero-Rodriguez R, Berger MS, Garcia-Verdugo JM, Alvarez-Buylla A. Cellular composition and cytoarchitecture of the adult human subventricular zone: a niche of neural stem cells. *J Comp Neurol.* 2006 Jan 20;494(3):415-34. PubMed PMID: 16320258.
- 324: Acosta FL Jr, Quiñones-Hinojosa A, Gadkary CA, Schmidt MH, Chin CT, Ames CP, Rosenberg WS, Weinstein P. Frameless stereotactic image-guided C1-C2 transarticular screw fixation for atlantoaxial instability: review of 20 patients. *J Spinal Disord Tech.* 2005 Oct;18(5):385-91. PubMed PMID: 16189447.
- 325: Quiñones-Hinojosa A, Du R, Lawton MT. Revascularization with saphenous vein bypasses for complex intracranial aneurysms. *Skull Base.* 2005 May;15(2):119-32. PubMed PMID: 16148973; PubMed Central PMCID: PMC1150875.
- 326: Quiñones-Hinojosa A, Ware ML, Sanai N, McDermott MW. Assessment of image guided accuracy in a skull model: comparison of frameless stereotaxy techniques vs. frame-based localization. *J Neurooncol.* 2006 Jan;76(1):65-70. PubMed PMID: 16132501.
- 327: Quiñones-Hinojosa A, Sanai N, Smith JS, McDermott MW. Techniques to assess the proliferative potential of brain tumors. *J Neurooncol.* 2005 Aug;74(1):19-30. Review. PubMed PMID: 16078103.
- 328: Quiñones-Hinojosa A, Lawton MT. In situ bypass in the management of complex intracranial aneurysms: technique application in 13 patients. *Neurosurgery.* 2005 Jul;57(1 Suppl):140-5; discussion 140-5. PubMed PMID: 15987580.
- 329: Smith JS, Quiñones-Hinojosa A, Barbaro NM, McDermott MW. Frame-based stereotactic biopsy remains an important diagnostic tool with distinct advantages over frameless stereotactic biopsy. *J Neurooncol.* 2005 Jun;73(2):173-9. PubMed PMID: 15981109.
- 330: Lawton MT, Vates GE, Quiñones-Hinojosa A, McDonald WC, Marchuk DA, Young WL. Giant

infiltrative cavernous malformation: clinical presentation, intervention, and genetic analysis: case report. *Neurosurgery*. 2004 Oct;55(4):979-80. PubMed PMID: 15934180.

331: Quiñones-Hinojosa A, Lyon R, Zada G, Lamborn KR, Gupta N, Parsa AT, McDermott MW, Weinstein PR. Changes in transcranial motor evoked potentials during intramedullary spinal cord tumor resection correlate with postoperative motor function. *Neurosurgery*. 2005 May;56(5):982-93; discussion 982-93. PubMed PMID: 15854246.

332: Smith JS, Quiñones-Hinojosa A, Harmon-Smith M, Bollen AW, McDermott MW. Sex steroid and growth factor profile of a meningioma associated with pregnancy. *Can J Neurol Sci*. 2005 Feb;32(1):122-7. PubMed PMID: 15825560.

333: Quiñones-Hinojosa A, Lyon R, Du R, Lawton MT. Intraoperative motor mapping of the cerebral peduncle during resection of a midbrain cavernous malformation: technical case report. *Neurosurgery*. 2005 Apr;56(2 Suppl):E439; discussion E439. PubMed PMID: 15794843.

334: Lawton MT, Quiñones-Hinojosa A, Chang EF, Yu T. Thrombotic intracranial aneurysms: classification scheme and management strategies in 68 patients. *Neurosurgery*. 2005 Mar;56(3):441-54; discussion 441-54. Review. PubMed PMID: 15730569.

335: Gottfried ON, Gluf W, Quinones-Hinojosa A, Kan P, Schmidt MH. Spinal meningiomas: surgical management and outcome. *Neurosurg Focus*. 2003 Jun 15;14(6):e2. Review. PubMed PMID: 15669787.

336: Quinones-Hinojosa A, Chang EF, McDermott MW. Falcotentorial meningiomas: clinical, neuroimaging, and surgical features in six patients. *Neurosurg Focus*. 2003 Jun 15;14(6):e11. Review. PubMed PMID: 15669786.

337: Acosta FL Jr, Chin CT, Quiñones-Hinojosa A, Ames CP, Weinstein PR, Chou D. Diagnosis and management of adult pyogenic osteomyelitis of the cervical spine. *Neurosurg Focus*. 2004 Dec 15;17(6):E2. Review. PubMed PMID: 15636572.

338: Quiñones-Hinojosa A, Jun P, Jacobs R, Rosenberg WS, Weinstein PR. General principles in the medical and surgical management of spinal infections: a multidisciplinary approach. *Neurosurg Focus*. 2004 Dec 15;17(6):E1. Review. PubMed PMID: 15636566.

339: Auguste KI, Quiñones-Hinojosa A, Berger MS. Efficacy of mechanical prophylaxis for venous thromboembolism in patients with brain tumors. *Neurosurg Focus*. 2004 Oct 15;17(4):E3. Review. PubMed PMID: 15633989.

340: Quiñones-Hinojosa A, Lyon R, Ames CP, Parsa AT. Neuromonitoring during surgery for metastatic tumors to the spine: intraoperative interpretation and management strategies. *Neurosurg Clin N Am*. 2004 Oct;15(4):537-47. Review. PubMed PMID: 15450888.

341: Acosta FL Jr, Quinones-Hinojosa A, Schmidt MH, Weinstein PR. Diagnosis and management of sacral Tarlov cysts. Case report and review of the literature. *Neurosurg Focus*. 2003 Aug 15;15(2):E15. Review. PubMed PMID: 15350046.

342: Quinones-Hinojosa A, Gulati M, Singh V, Lawton MT. Spontaneous intracerebral hemorrhage due to coagulation disorders. *Neurosurg Focus*. 2003 Oct 15;15(4):E3. Review. PubMed PMID: 15344896.

343: Quiñones-Hinojosa A, Gadkary CA, Gulati M, von Koch CS, Lyon R, Weinstein PR, Yingling CD. Neurophysiological monitoring for safe surgical tethered cord syndrome release in adults. *Surg*

Neurol. 2004 Aug;62(2):127-33; discussion 133-5. PubMed PMID: 15261505.

344: Quiñones-Hinojosa A, Alam M, Lyon R, Yingling CD, Lawton MT. Transcranial motor evoked potentials during basilar artery aneurysm surgery: technique application for 30 consecutive patients. Neurosurgery. 2004 Apr;54(4):916-24; discussion 924. PubMed PMID: 15046658.

345: Hetts SW, Urban JP, Quiñones-Hinojosa A, Joelson DW, Glastonbury CM. The shading sign in cerebral squamous cell metastases. AJR Am J Roentgenol. 2004 Apr;182(4):1087-8. PubMed PMID: 15039196.

346: Quinones-Hinojosa A, Chang EF, Khan SA, Lawton MT, McDermott MW. Renal cell carcinoma metastatic to the choroid mimicking intraventricular meningioma. Can J Neurol Sci. 2004 Feb;31(1):115-20. PubMed PMID: 15038482.

347: Sanai N, Tramontin AD, Quiñones-Hinojosa A, Barbaro NM, Gupta N, Kunwar S, Lawton MT, McDermott MW, Parsa AT, Manuel-García Verdugo J, Berger MS, Alvarez-Buylla A. Unique astrocyte ribbon in adult human brain contains neural stem cells but lacks chain migration. Nature. 2004 Feb 19;427(6976):740-4. PubMed PMID: 14973487.

348: Quinones-Hinojosa A, Gadkary CA, Mummaneni PV, Rosenberg WS. Split spinal cord malformation in an elderly patient: case report. Surg Neurol. 2004 Feb;61(2):201-3; discussion 203. PubMed PMID: 14751645.

349: Quiñones-Hinojosa A, Binder DK, Hemphill JC 3rd, Manley GT. Diagnosis of posttraumatic transverse sinus thrombosis with magnetic resonance imaging/magnetic resonance venography: report of two cases. J Trauma. 2004 Jan;56(1):201-4. PubMed PMID: 14749592.

350: Walker JA, Quiñones-Hinojosa A, Berger MS. Intraoperative speech mapping in 17 bilingual patients undergoing resection of a mass lesion. Neurosurgery. 2004 Jan;54(1):113-7; discussion 118. PubMed PMID: 14683547.

351: Auguste KI, Quinones-Hinojosa A, Gadkary C, Zada G, Lamborn KR, Berger MS. Incidence of venous thromboembolism in patients undergoing craniotomy and motor mapping for glioma without intraoperative mechanical prophylaxis to the contralateral leg. J Neurosurg. 2003 Oct;99(4):680-4. PubMed PMID: 14567603.

352: Quiñones-Hinojosa A, Ojemann SG, Sanai N, Dillon WP, Berger MS. Preoperative correlation of intraoperative cortical mapping with magnetic resonance imaging landmarks to predict localization of the Broca area. J Neurosurg. 2003 Aug;99(2):311-8. PubMed PMID: 12924706.

353: Quinones-Hinojosa A, Sanai N, Fischbein NJ, Rosenberg WS. Extensive intradural arachnoid cyst of the lumbar spinal canal: case report. Surg Neurol. 2003 Jul;60(1):57-9. PubMed PMID: 12865016.

354: Quiñones-Hinojosa A, Malek JY, Ames A 3rd, Ogilvy CS, Maynard KI. Metabolic effects of hypothermia and its neuroprotective effects on the recovery of metabolic and electrophysiological function in the ischemic retina in vitro. Neurosurgery. 2003 May;52(5):1178-86; discussion 1186-7. PubMed PMID: 12699563.

355: Quiñones-Hinojosa A, Auguste K, Lawton MT. Unusual venous drainage of an arteriovenous malformation. Case illustration. J Neurosurg. 2003 Mar;98(3):642. PubMed PMID: 12650442.

356: Quinones-Hinojosa A, Chang EF, Khan SA, McDermott MW. Isolated trigeminal nerve sarcoid granuloma mimicking trigeminal schwannoma: case report. Neurosurgery. 2003 Mar;52(3):700-5

discussion 704-5. Review. PubMed PMID: 12590697.

357: Lawton MT, Quinones-Hinojosa A, Sanai N, Malek JY, Dowd CF. Combined microsurgical and endovascular management of complex intracranial aneurysms. *Neurosurgery*. 2003 Feb;52(2):263-74; discussion 274-5. PubMed PMID: 12535354.

358: Schmidt MH, Quinones-Hinojosa A, Rosenberg WS. Cervical myelopathy associated with degenerative spine disease and ossification of the posterior longitudinal ligament. *Semin Neurol*. 2002 Jun;22(2):143-8. Review. PubMed PMID: 12524559.

359: Quinones-Hinojosa A, Gulati M, Lyon R, Gupta N, Yingling C. Spinal cord mapping as an adjunct for resection of intramedullary tumors: surgical technique with case illustrations. *Neurosurgery*. 2002 Nov;51(5):1199-206; discussion 1206-7. PubMed PMID: 12383365.

360: von Koch CS, Quinones-Hinojosa A, Gulati M, Lyon R, Peacock WJ, Yingling CD. Clinical outcome in children undergoing tethered cord release utilizing intraoperative neurophysiological monitoring. *Pediatr Neurosurg*. 2002 Aug;37(2):81-6. PubMed PMID: 12145516.

361: Auguste KI, Quiñones-Hinojosa A, Lawton MT. The tandem bypass: subclavian artery-to-middle cerebral artery bypass with dacron and saphenous vein grafts. Technical case report. *Surg Neurol*. 2001 Sep;56(3):164-9. PubMed PMID: 11597642.

362: Vates GE, Quiñones-Hinojosa A, Halbach VV, Lawton MT. Conus perimedullary arteriovenous fistula with intracranial drainage: case report. *Neurosurgery*. 2001 Aug;49(2):457-61; discussion 461-2. PubMed PMID: 11504125.

363: Kalkanis SN, Quiñones-Hinojosa A, Buzney E, Ribaud HJ, Black PM. Quality of life following surgery for intracranial meningiomas at Brigham and Women's Hospital: a study of 164 patients using a modification of the functional assessment of cancer therapy-brain questionnaire. *J Neurooncol*. 2000 Jul;48(3):233-41. PubMed PMID: 11100821.

364: Moriarty TM, Quinones-Hinojosa A, Larson PS, Alexander E 3rd, Gleason PL, Schwartz RB, Jolesz FA, Black PM. Frameless stereotactic neurosurgery using intraoperative magnetic resonance imaging: stereotactic brain biopsy. *Neurosurgery*. 2000 Nov;47(5):1138-45; discussion 1145-6. PubMed PMID: 11063107.

365: Maynard KI, Quiñones-Hinojosa A, Malek JY. Neuroprotection against ischemia by metabolic inhibition revisited. A comparison of hypothermia, a pharmacologic cocktail and magnesium plus mexiletine. *Ann N Y Acad Sci*. 1999;890:240-54. PubMed PMID: 10668430.

366: Quiñones-Hinojosa A, Friedlander RM, Boyer PJ, Batchelor TT, Chiocca EA. Solitary sciatic nerve lymphoma as an initial manifestation of diffuse neurolymphomatosis. Case report and review of the literature. *J Neurosurg*. 2000 Jan;92(1):165-9. Review. PubMed PMID: 10616097.

367: Quiñones-Hinojosa A, Ames A 3rd, Malek JY, Maynard KI. An in vitro rabbit retina model to study electrophysiologic and metabolic function during and following ischemia. *J Neurosci Methods*. 1999 Aug 15;90(2):107-15. PubMed PMID: 10513594.

368: Maynard KI, Quiñones-Hinojosa A, Ogilvy CS. Magnesium plus mexiletine inhibit energy usage and protect retinas against ischemia. *Neuroreport*. 1998 Dec 21;9(18):4141-4. PubMed PMID: 9926863.

369: Ogilvy CS, Quinones-Hinojosa A. Surgical treatment of vertebral and posterior inferior cerebellar

artery aneurysms. Neurosurg Clin N Am. 1998 Oct;9(4):851-60. Review. PubMed PMID: 9738111.

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