

Selected Publications:

1. Barcia, Juan A.; Alonso-Lera, Pedro; **Avecillas, Josué**; Brin, Juan Raúl; Saceda, Javier; Ortiz, Tomás. "Neuromodulation and Mental Disorders" *Actas Españolas de Psiquiatría*. December 2010. Suplemento 3, volumen 38.
2. **Avecillas-Chasin, Josue**; Jorquera, Manuela; Gomez, Gustavo; Alvarado, Luis; Barcia, Juan A. "Delayed Posterior Reversible Encephalopathy Syndrome After Posterior Fossa Surgery in a Nineteen-year Old Man". *Acta Neurochirurgica*. Jun 2013. Vol. 155 (6) Pag. 1045-7.
3. Barcia, J.A.; Reyes, L.; Arza, R.; Saceda, Javier; **Avecillas, Josue**; Yañez, R.; Garcia-Albea, J.; Ortiz, T.; Lopez-Ibor, Maria-Ines; Lopez-Ibor, Juan-Jose. "Deep Brain Stimulation for Obsessive-Compulsive: Is The Side Relevant?: Stereotact Funct Neurosurg. 2014;92(1):31-6. doi: 10.1159/000353187.
4. Andérez, FO; Malpica, NB.; Sorribas, EM.; Clotet, NC.; **Chasin, Josue**. "Paraplegia After Lumbar Puncture Due To An Spinal Dural Arterio-Venous Fistula". *Am J Med Sci*. 2014 Feb;347(2):170-1. DOI: 10.1097/MAJ.0000000000000218.
5. **Avecillas-Chasin JM**, Ahmed M, Robles Hidalgo E, Gómez-Perals L. Surgical management of chronic traumatic pseudomeningocele of the craniocervical junction: case report. *Childs Nerv Syst*. 2013 Dec 15.
6. **Josue M. Avecillas-Chasin & Juan A. Barcia**. Effect of amantadine in minimally conscious state of non-traumatic etiology. *Acta Neurochir* DOI: 10.1007/s00701-014-2077-x
7. Matias-Guiu JA, **Avecillas-Chasin J**, Barcia JA, Moreu M, López-Ibor L: "Suboptimal interventional conditions for the occlusion of ruptured intracranial aneurysms do not increase perioperative complications and poor clinical outcomes". *Acta Neurochirurgica* 2014 May 9
8. **Josué M. Avecillas-Chasin**, Fernando Alonso-Frech, Olga Parras, Rocío Arza, Juan A. Barcia. Localization of Deep Brain Stimulation Targets by Deterministic Tractography Using an Available Navigation System. *Neurosurgical reviews*. Neurosurgical Review 05/2015; DOI:10.1007/s10143-015-0643-1
9. **Josue M. Avecillas-Chasin**, Javier Saceda-Gutierrez, Pedro Alonso-Lera, Luis R. Alvarado, Ruben Garcia-Pumarino, Manuela Jorquera, Subhi Issa, Juan A. Barcia. Scalp metastases of recurrent meningiomas: aggressive behavior or surgical seeding?. *World Neurosurgery* 03/2015; 84(1). DOI:10.1016/j.wneu.2015.02.041
10. **Josué M Avecillas-Chasin**: Subdural effusion in decompressive craniectomy. *Acta Neurochirurgica* 08/2015; DOI:10.1007/s00701-015-2537-y
11. **Josué M Avecillas-Chasin**: Individualization of deep brain stimulation targets for movement disorders.. *Acta Neurochirurgica* 08/2015; DOI:10.1007/s00701-015-2523-4
12. **J M Avecillas-Chasin**, J A Matias-Guiu, L Bautista-Balbas: [Posterior reversible encephalopathy: beyond the original description].. *Revista de neurologia* 07/2015; 61(2):75-84.
13. **Josué M. Avecillas-Chasin**, Jordi A Matias-Guiu, Gustavo Gomez, Javier Saceda-Gutierrez: A case of acute spinal intradural hematoma due to spinal anesthesia. 07/2015; DOI:10.1016/j.joad.2015.06.015
14. Nachev P, F. Lopez-Sosa, J. Gonzalez-Rosas, **Avecillas J**, J.J. Lopez-Ibor, J.A. Barcia, B.A. Strange: Deep-brain stimulation of human nucleus accumbens dynamically alters risky decision-making. *Brain Stimulation* 03/2015; Volume 8(Issue 2):Page 390. DOI:10.1016/j.brs.2015.01.247
15. Barcia, J. A.; Gonzalez-Hidalgo, M.; Lopez-Ibor, L.; Brin, J. R.; Sanz, A.; Rivera, P.; López, F.; **Avecillas, J.**; Alonso, P.; Balugo, P.; Acedo, M. V.; Strange, B.; Oliviero, A. "Plasticity Induction by High-Frequency Cortical Subdural Stimulation Permits Enhanced Resection of Tumors in Eloquent Areas" *Stereotact Funct Neurosurg* 2012; 90 (suppl 1): 1-202.
16. Barcia, J. A.; Reyes, L.; Arza, R.; Saceda, J.; **Avecillas, J.**; Yañez, R.; García-Albea, J.; Ortiz, T.; López-Ibor, M. I.; López-Ibor, J. J. "The Search For An Individualized Target In Deep Brain Stimulation For Obsessive-Compulsive Disease: Is The Side Relevant?". *Stereotact Funct Neurosurg* 2012; 90 (suppl 1): 1-202.
17. **Avecillas-Chasin, J.**; Sobrado Rubio, J.; González González, J.; Gómez Bustamante, G.; Saceda Gutiérrez, J.; Barcia Albacar, J.A. "Segmentation and connectivity of the Basal ganglia: Tractography analysis and its applications in Deep Brain Stimulation". *Revista de Neurocirugía*. May-Jul 2012. Vol. 23.
18. Barcia, J. PhD; **Avecillas, J.** MD; Sanz, A.; Brin, J.R. MD; Alonso, P. MD; Saceda, J.; Yus, M.; Jorquera, M.; Gonzalez, M.; Acedo, M.V.; Ortiz, T.; Oliviero, A. "Cortical Electric Stimulation in the Treatment Brain Tumors: Induction of Plastic Changes to Obtain Extended Resection in Gliomas." *Stereotact Funct Neurosurg*. 2013. 91(suppl 1): 1-334 – Page 93.
19. **Avecillas-Chasin, J.** MD, Barcia, J. MD, PhD, Alvarez-Linera, J. "Localization of DBS Targets by Deterministic Tractography: A Straightforward Method with Plausible Results". *Stereotact Funct Neurosurg*. 2013. 91(suppl 1): 1-334 – Page 146.

Book Chapters:

1. Javier Saceda, Pedro Alonso, Juan Brin, **Josué Avecillas**, Juan Barcia, Juan Fernández-Miranda. "Selection of the surgical treatment in brain metastasis: Surgical planning criteria". Book: Brain metastasis, Lymphoma and other hematopoietic malignancies. Neuro-oncology group of the Spanish society of neurosurgery. (2012).
2. Juan A. Barcia, **Josué Avecillas**, Paola Rivera-Rivera. "Applications of brain connectivity in neurosurgery". Book: Conectividad funcional y anatómica en el cerebro humano: una perspectiva desde la neurociencia cognitiva y computacional. Editores: Fernando Maestú, Ernesto Pereda, Francisco del Pozo. Editorial: Elsevier (2014)

Peer-reviewed lectures (International):

1. "Localization of DBS Targets by Deterministic Tractography: A Straightforward Method with Plausible Results". XVI Quadrennial Meeting of the World Society for Stereotactic and Functional Neurosurgery. Tokyo-Japan. (May 2013).
2. "Identification of DBS Targets by Deterministic Tractography using an available navigation system". Congress of Neurological Surgeons Annual Meeting. San Francisco-California. USA. (2013).
3. "Surgical and endovascular management of posterior fossa dural arteriovenous fistulae: Institutional experience". EANS 2014 15th European Congress of Neurosurgery. Prague-Czech Republic.
4. "Assessment of a Method to Determine Deep Brain Stimulation Targets Using Deterministic Tractography in a Navigation System". EANS 2014 15th European Congress of Neurosurgery. Prague-Czech Republic.

Invited Lectures:

1. "3D Rendering and Stealth Viz/DTI Software". XX Congress of the European Society for Stereotactic and Functional Neurosurgery (ESSFN). Cascais-Lisbon-Portugal. (2012).
2. "Psychosurgery" XI Sociedad de Neurocirugía de la Comunidad de Madrid (SONCAM) Meeting. Madrid-Spain. (2012).