

Curriculum Vitae

Miguel Marigil Sanchez, MD,PhD

January 2018

CLINICAL EXPERIENCE

- Collaborating student in Department of Neurosurgery. University of Navarra (2008-2009)
- Internship in Neurosurgery. University of Navarra. Neurosurgery Residency programme (2011-2016).
- Junior Staff Neurosurgery Department. University of Navarra (Pamplona, Spain) June 2016-June 2017.
- Clinical Fellowship in Neurooncology/Skull Base at the Toronto Western Hospital. Neurosurgery Department. University of Toronto (Toronto, Canada). From July 1st 2017 until now.

CLINICAL RESEARCH EXPERIENCE

- Research student in Cardio-Vascular Area (September 2007-June 2008). CIMA, University of Navarra (Supervisor Dr Díez.MD.PhD).
- PhD in Medicine. Programme established in the Medical Applied Research Center (CIMA, University of Navarra): Development of a DIPG orthotopic model in mice using an implantable guided-screw system. Evaluation of new therapeutical options in DIPG preclinical models.

ACADEMIC EXPERIENCE

- Collaborating student at Department of Neuroanatomy (2005-2006) and Physiology (2006-2007). School of Medicine. University of Navarra (Pamplona, Spain)
- Teacher-collaborator at the School of Medicine. Surgical teaching lessons. University of Navarra Academic Years 2014-2015 and 2015-2016.

PRESENTATIONS IN MEETINGS

Posters-Video Sessions

MRI Abnomalies in corpus callosum related to chronic hydrocephalus treated with peritoneal-ventricular shunt.

Spanish congress of Neurosurgery, Cádiz (Spain), May 2014.

M. Marigil, G. Aldave, E. Pay, S. Tejada, R. Díez Valle, B. Bejarano y J. Guridi.

Alternative splicing in glioblastoma: a big new world ahead

"The 4th Quadrennial Meeting of the World federation of Neuro-Oncology", San Francisco, November 2013.

Marisol Gonzalez-Huarriz, Guillermo Aldave, Datta Ravi, Angel Rubio, Ricardo Díez-Valle, Miguel Marigil, Patricia Jauregi, Beatriz Vera, Arlet-Acanda de la Rocha, Sonia Tejada, Marta M. Alonso.

Development of a DIPG orthotopic model in nude mice using an implantable guided-screw system.

"The 4th Quadrennial Meeting of the World Federation of Neuro-Oncology", San Francisco, November 2013.

Miguel Marigil, Patricia Jauregi, Miguel Angel Idoate, Enric Xipell, Guillermo Aldave, Marisol Gonzalez-Huarriz, Sonia Tejada-Solís, Ricardo Díez-Valle, Angel Montero-Carcaboso, Jaume Mora, Marta M Alonso.

Operative Videos

Extended Endoscopic Approach for Resection of Craniopharyngiomas

J.P Almeida, Suganth Pianth, Claire Karekezi, M. Marigil, Fred Fentili, Gelareh Zadeh

Skull Base Operative videos, Journal of Neurological Surgery Part B. January 2018

Oral communications

Cualitative study throughout DTI sequences of the cortical-mesencephalic bundle in patients with hemispheric tumours.

Spanish congress of Neurosurgery, San Sebastián (Spain). May 2013.

Retrospective analysis of functional outcome and morbidity in 26 patients older than 75 with spinal degenerative surgery.

Spanish congress of Neurosurgery, San Sebastián (Spain). May 2013.

Microvascular decompression in trigeminal and glossopharyngeal neuralgia: correlation of intraoperative findings, MRI 3D CISS sequence and pain outcome.

Spanish congress of Neurosurgery, Cádiz (Spain). May 2014.

Steroid management and early withdrawal after surgery in newly-diagnosed GBM patients.

Spanish congress of Neurosurgery, Pamplona (Spain). May 2015.

Development of a new DIPG orthotopic model in mice using an implantable guided-screw system

17th ISPNO 2016. Liverpool (June 12-15).

PUBLICATIONS

Prognostic value of ventricular wall fluorescence during 5-aminolevulinic-guided-surgery for glioblastoma

Tejada-Solis S, Aldave-Orzaiz G., Marigil-Sanchez M, Diez-Valle R.
Acta Neurochirurgica. November 2012.

Prognostic value of residual fluorescent tissue in glioblastoma patients after gross total resection in 5-aminolevulinic acid-guided surgery.

Aldave G, Tejada S, Pay E, Marigil M, Bejarano B, Idoate MA, Diez-Valle R.
Neurosurgery. June 2013.

Factors associated with a higher rate of distant failure after primary treatment for glioblastoma.

Tejada S, Aldave G, Marigil M, Gállego Pérez-Larraya J, Domínguez PD, Díez-Valle R.
J Neurooncol. January 2014.

Neuroprotective subthalamotomy in Parkinson's disease. The role of magnetic resonance-guided focused ultrasound in early surgery.

Guridi J, Marigil M, Becerra V, Parras O.
Neurocirugia(Astur). May 2016.

Development of a DIPG orthotopic model in mice using an implantable guide-screw system.

Marigil M, Martínez-Velez N, Domínguez PD, Idoate MA, Xipell E, Patiño-García A, González-Huarriz M, García-Moure M, Junier MP, Chneiweiss H, El-Habr E, Diez-Valle R, Tejada-Solís S, Alonso MM.
PLoS One. January 2017.

Results of a policy of fast tapering of steroids after resection surgery in glioblastoma

Diez-Valle R, Becerra V, Marigil M, Gallego J, Tejada S.
Word Neurosuregry. January 2018

The aberrant splicing of BAF45d links splicing regulation and transcription in glioblastoma.

Aldave G, Gonzalez-Huarriz M, Rubio A, Romero JP, Ravi D, Miñana B, Cuadrado-Tejedor M, García-Osta A, Verhaak R, Xipell E, Martinez-Vélez N, Acanda de la Rocha A, Puigdelloses M, García-Moure M, **Marigil** M, Gállego Pérez-Larraya J, Marín-Bejar O, Huarte M, Carro MS, Ferrarese R, Belda-Iniesta C, Ayuso A, Prat-Acín R, Pastor F, Díez-Valle R, Tejada S, Alonso MM.

Neuro Onco. January 2018

OTHER ACTIVITIES

Certificate in European Examination in Neurosurgery Part I. Sweden (January 2015)

Rotation at the Neurotrauma Unit and Pediatric Neurosurgery Department. Hospital Doce de Octubre. Madrid (Spain)

Extra-Intracranial By-Pass microvascular anastomosis course. Department of Neurosurgery, Hospital La Paz. Madrid.(Spain)