

Neurosurgery



Coordinator

Molet Teixidó, Joan
jmolet@santpau.cat

Members

Aibar Duran, Juan Ángel	FGS
Álvarez Holzapfel,	
María Jesús	FGS
Asencio Cortés, Carlos	FGS
De Quintana Schmidt,	
Cristian Jose	FGS
Muñoz Hernández,	
Fernando	FGS
Rico Pereira, Marta	FGS
Rodríguez Rodríguez,	
Rodrigo	FGS
Salgado López, Laura	FGS
Sánchez Casas, Marc	FGS
Tresserras Ribó, Pere	FGS

Main Lines of Research

- ▶ Biomaterials: comparative study of two different cranial bone fixations.
- ▶ Tumour biology: gliomas (prognostic value of different mutations in anaplastic astrocytoma and GBM), pituitary gland adenomas.
- ▶ Biomarkers in anaplastic astrocytomas and glioblastoma multiforme.
- ▶ Anatomy of the skull base.
- ▶ Clinical evaluation of neurostimulation techniques in different neurological entities (treatment-resistant depression and neuropathic pain).

Challenges

- ▶ Monitor the clinical trial on treatment-resistant depression treated using deep brain stimulation techniques (jointly with psychiatry).
- ▶ Evaluate neurostimulation for other disorders: cluster headache.

Collaborations

Collaborations with other IIB Sant Pau Groups

- ▶ Fernando Muñoz, Ignasi Català. IMPACT-24 study. Effects of pterygopalatine ganglion stimulation on cerebral perfusion in patients with stroke, Brainsgate. Principal researcher: Joan Martí.
- ▶ Fernando Muñoz, Cristian de Quintana, Ignasi Català, Carles Asencio. CLEAR III. Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage Phase III. John Hoppinkgs Hospital. Principal researcher: Joan Martí.
- ▶ Fernando Muñoz, Carlos Asencio. Estudi MISTIE III. Minimally Invasive Surgery Plus rt-PA for Intracerebral Hemorrhage Evacuation. Principal researcher: Fernando Muñoz Hernández.

- ▶ Fernando Muñoz, Carlos Asencio. SWITCH Trial. Swiss Trial of Decompressive Craniectomy versus Best Medical Treatment of Spontaneous Intracerebral Hemorrhage. A Randomized Controlled Trial. Principal researcher: Fernando Muñoz.

External Collaborations

- ▶ Joan Molet. MOBI-KITS study. Prospective multicentre worldwide study of the relationship between cell phone use and brain tumour development in the youth population, 7th Framework Programme. ENV-2008-226873. Coordinators Spain: Carlos Díaz Acedo and Sandra Plans. Coordinator Catalonia: CREAL.

Theses

- ▶ Fernando Muñoz Hernández. Estudi comparatiu entre cirurgia endoscòpica transesfenoidal versus cirurgia tradicional transesfenoidal amb microscopi per l'exèresi d'adenomes hipofisaris. Universitat Autònoma de Barcelona. Directors: Xavier Rius Cornadó, Pere Tresserras Ribó. Date of defense: 19/04/2017.

*TIF: 21.664 **MIF: 3.4582

Scientific Production

Casanova M.J., Chaparro M., Garcia-Sanchez V., Nantes O., Leo E., Rojas-Feria M., Jauregui-Amezaga A., Garcia-Lopez S., Huguet J.M., Arguelles-Arias F., et al., Evolution after Anti-TNF Discontinuation in Patients with Inflammatory Bowel Disease: A Multicenter Long-Term Follow-Up Study (2017) AM J GASTROENTEROL, 112 (1), 120-131.

IF: 10.231

Montes A., Fernandez A., Camacho V., de Quintana C., Gallego O., Craven-Bartle J., Lopez D., Molet J., Gomez-Anson B., Carrio I.,

The usefulness of 18F-fluorocholine PET/CT in the detection of recurrence of central nervous system primary neoplasms Valor de la PET/TC cerebral con 18F-fluorocolina en la detección de recurrencias de neoplasias primarias del sistema nervioso central (2017) REV ESP MED NUCL IMA, 36 (4), 227-232.

IF: 1.202

Ordas I., Domenech E., Manosa M., Garcia-Sanchez V., Iglesias-Flores E., Penalva M., Canas-Ventura A., Merino O., Fernandez-Banares F., Gomollon F., Vera M., Gutier-

rez A., Garcia-Planella E., Chaparro M., Aguas M., Gento E., Munoz F., Aguirresarobe M., Munoz C., Fernandez L., Calvet X., Jimenez C.E., Montoro M.A., Mir A., De Castro M.L., Garcia-Sepulcre M.F., Bermejo F., Panes J., Esteve M., Long-Term Efficacy and Safety of Cyclosporine in a Cohort of Steroid-Refractory Acute Severe Ulcerative Colitis Patients from the ENEIDA Registry (1989-2013): A Nationwide Multicenter Study (2017) AM J GASTROENTEROL, 112 (11), 1709-1718.

IF: 10.231