

## **Publications**

### **MRgFUS publications to which SIFUS team members contributed**

[Gallay MN, Magara AE, Moser D, Kowalski M, Kaeser M, Jeanmonod D. \(2023\) MR-guided Focused Ultrasound Central Lateral Thalamotomy against chronic and therapy-resistant neuropathic pain, retrospective long-term follow-up analysis of 63 interventions. \*J Neurosurg\* \(IF 5.115\)](#)

[Magara AE, Gallay MN, Moser D, Jeanmonod D. \(2022\) Complete resolution of chronic cluster headache following Central Lateral Thalamotomy using incisionless MR-guided focused ultrasound with 6 years of follow-up: illustrative case, \*Journal of Neurosurgery: Case Lessons\*, 4\(22\)](#)

[Gallay MN, Moser D, Haufler F, Jeanmonod D. \(2021\) Bilateral MRgFUS pallidothalamic tractotomy for Parkinson's disease with one year follow-up. \*Front Neurol.\* \(IF 4.086\)](#)

[Gallay MN, Moser D, Jeanmonod D. \(2020\) MR-guided focused ultrasound central lateral thalamotomy for trigeminal neuralgia. Single center experience. \*Front Neurol. \(Headache and Neurogenic Pain Editor's pick 2021\)\* \(IF 4.086\)](#)

[Gallay MN, Moser D, Jeanmonod D. \(2020\) MR guided focused ultrasound cerebellothalamic tractotomy for chronic therapy-resistant essential tremor; anatomical target reappraisal and clinical results. \*J Neurosurg\* \(IF 5.115\)](#)

[Gallay MN, Moser D, Rossi F, Magara AE, Strasser M, Bühler R, Kowalski M, Pourtehrani P, Dragalina C, Federau C and Jeanmonod D. \(2019\) : MRgFUS pallidothalamic tractotomy for chronic therapy-resistant Parkinson's disease in 51 consecutive patients: single center experience. \*Front Surg.\* \(IF 2.568\)](#)

[Gallay MN, Moser D, Federau C, Jeanmonod D. \(2019\) Anatomical and technical reappraisal of the pallidothalamic tractotomy with the incisionless transcranial MR-guided focused ultrasound. A technical note. \*Front Surg.\* \(IF 2.568\)](#)

[Gallay MN, Moser D, Federau C, Jeanmonod D. \(2019\) Radiological and thermal dose correlations in pallidothalamic tractotomy with MRgFUS. \*Front Surg\* \(IF 2.568\)](#)

[Gallay MN, Moser D, Jeanmonod D. \(2018\) Safety and accuracy of incisionless transcranial MR-guided focused ultrasound functional neurosurgery: single-center experience with 253 targets in 180 treatments. \*J Neurosurg.\* \(IF 5.115\)](#)

Gallay MN, Moser D, Rossi F, Pourtehrani P, Magara AE, Kowalski M, Arnold A, Jeanmonod D. (2016): Incisionless transcranial MR-guided focused ultrasound in essential tremor: cerebellothalamic tractotomy, *J Ther Ultrasound (IF2016: 3.02)*

Gallay MN, Jeanmonod D, Liu J. and Morel A. (2008): Human pallidothalamic and cerebellothalamic tracts: anatomical basis for functional stereotactic neurosurgery. *Brain Struct Funct (IF 3.748)*

Magara, A., Bühler, R., Moser, D., Kowalski, M., Pourtehrani, P., Jeanmonod, D., 2014. First experience with MR-guided focused ultrasound in the treatment of Parkinson's disease. *J. Ther. Ultrasound* 2, 11.

Moser, D., Zadicario, E., Schiff, G., Jeanmonod, D., 2013. MR-guided focused ultrasound technique in functional neurosurgery: targeting accuracy. *J. Ther. Ultrasound* 1, 3.

Moser, D., Zadicario, E., Schiff, G., Jeanmonod, D., 2012. Measurement of targeting accuracy in focused ultrasound functional neurosurgery. *Neurosurg. Focus* 32, E2.

### **Publications in Swiss journals**

**Gallay MN, Moser D, Rossi F, Magara AE, Kowalski M, Pourtehrani P, Bühler R, Fravi N, Strasser M, Thalmann T, Jeanmonod R, Arnold A, Jeanmonod D (2016): Ultrasons focalisés de haute intensité guidés par IRM (F) /MR-gesteuerter fokussierter Ultraschall (D), *Swiss medical forum* , 16(41):861-865**

**Gallay MN, Jeanmonod D (2016): Die neue funktionelle Neurochirurgie ohne Schnittführung mittels MR-gesteuerten transkraniellen fokussierten Ultraschall (D), *Neurochirurgie fonctionnelle lésionelle sans incision: renouveau grâce aux ultrasons focalisés, ASA/SVV Medinfo, Facetten des medizinisch technischen Fortschrittes* II**

### **Review/Commentary**

**Gallay M, Jeanmonod D (2018). Letter to the Editor. Magnetic resonance-guided focused ultrasound and essential tremor. *Neurosurgical focus*. 2018;45(1):E14**