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Date of Birth	November 01, 1982
Place of Birth	Lausanne (VD), Switzerland
Marital Status	married to Delphine Gallay (-Huguenot) 3 children (Eline 13.06.2012, Arthur 12.09.2013, Alois 06.12.2015)
Origin	Essertines-sur-Rolle (VD), Mont-sur-Rolle (VD)
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Education and Degrees	
06/2002	Baccalauréat: physics, mathematics and chemistry, Collège Saint-Michel, Fribourg
10/2008	University of Zürich, Faculty of Medicine, M.D.
05/2009	Doctoral dissertation, University of Zürich: Human cerebello- and pallidothalamic tracts: Stereotactic localization, interindividual variability and MR correlations, (Dr. A. Morel , Prof. D. Jeanmonod), Laboratory for Functional Neurosurgery, Neurosurgical Clinic,Zurich
01.05.2015	FMH Neurochirurgie
Past and Current Positions	
2005-2008	MD-Student, Laboratory for Functional Neurosurgery, Neurosurgical Clinic, Zurich (Dr. phil. A. Morel, Prof. Dr. med. D. Jeanmonod)
10/2008-03/2009 (6 m)	Postdoc, Laboratory for Functional Neurosurgery, Neurosurgical Clinic, Zurich (Dr. phil. A. Morel)
01.05.2009-31.12.2012	Assistenzarzt in Weiterbildung, Klinik für Neurochirurgie, Kantonsspital St.Gallen (Prof. Dr. med. G. Hildebrandt)
01/2013-10/2014	Médecin interne en formation, Service de Neurochirurgie, Hôpitaux Universitaires de Genève (Prof. Dr. med. K. Schaller)

01.11.2014-30.04.2015 (6 m)	Assistenzarzt, Orthopädie und Wirbelsäulechirurgie, Schweizer Paraplegiker Zentrum, Nottwil (LU) (Dr. M. Baur, Dr. P. Moulin)
01.05.2015-	Neurosurgeon FMH, SoniModul Center for Ultrasound Functional Neurosurgery, Solothurn
01.07.2020	Chief medical officer, SoniModul

Publications

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

Gallay MN, Moser D, Jeanmonod D. (2020) MR-guided focused ultrasound central lateral thalamotomy for trigeminal neuralgia. Single center experience. *Front Neurol*.

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*

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*.

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*.

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

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*.

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*

Morel A, **Gallay MN**, Baechler A, Wyss M, Gallay DS. (2013): The human insula: Architectonic organization and postmortem MRI registration, *Neuroscience*, 16;236:117-35

Gallay DS*, **Gallay MN***, Jeanmonod D, Rouiller EM and Morel A. (2012): The insula of Reil revisited: multiarchitectonic organization in macaque monkeys. *Cereb Cortex*, 22(1):175-190, Impact factor 6.828 (* equally contributed)

Gallay MN, Jeanmonod D, Liu J. and Morel A. (2008): Human pallidothalamic and cerebellothalamic tracts: anatomical basis for functional stereotactic neurosurgery. *Brain Struct Funct* , Impact Factor 7.837

Aufenberg C., Sarnthein J., Morel A., Rousson V., **Gallay M.** and Jeanmonod D (2007). A revival of Spiegel's camptomy: long term results of the stereotactic pallidothalamic tractotomy against the parkinsonian thalamocortical dysrhythmia. *Thalamus & Related Systems* 3:121-132

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 transkranialen fokussierten Ultraschall (D), *Neurochirurgie fonctionnelle lésionelle sans incision: renouveau grâce aux ultrasons focalisés*, ASA/SVV Medinfo, Facetten des medizinisch technischen Fortschrittes II

Poster presentations

Gallay MN, Moser D, Federau C, Jeanmonod D (2018): MRgFUS in chronic therapy-resistant Parkinson's disease. Anatomical reappraisal and technical strategy, 6th International Symposium on Focused Ultrasound 2018, Reston, Virginia, USA

Gallay DS, **Gallay MN**, Baechler A, Wyss M and Morel A (2011): The human insula: multiarchitectonic organization and correlation with MR imaging, *Human brain mapping, Quebec City, Canada*

Gallay MN , Gallay D.S., Poveda A. , Rouiller E.M., Jeanmonod D. and Morel A.E. (2009): The Insula of Reil: Multiarchitectonic organization in macaque monkeys and preliminary observations in humans, *Annual meeting of the Society for Neuroscience, Chicago, USA*

Gallay MN , Poveda A. , Liu J., Rouiller E.M., Jeanmonod D. and Morel A (2009): The insula of Reil: multiarchitectonic organization in non-human primates, *Annual meeting of the Swiss Society for Neuroscience, Fribourg, Switzerland*

Poveda A., Jeanmonod D., Huser M., **Gallay M.**, Wyss M., Szekely G. & Morel A. (2008): Post-mortem MRI correlations and in vivo co-registration of the Morel atlas of human thalamus and basal ganglia. 6th *Forum of European Neuroscience, Geneva*

Gallay M., Liu J., Jeanmonod D., and Morel A. (2006): Human cerebello- and pallidothalamic tracts: Stereotactic localization, interindividual variability, and MRI correlations. *Annual meeting of the Society for Neuroscience, Atlanta, USA*

Morel A., **Gallay M.**, Liu J., Jeanmonod D. (2006). Atlas of the human thalamus and basal ganglia: MRI correlations, anatomical variability and applications. *Annual meeting of the Swiss Society for Neuroscience, Basel, Switzerland*

Reviews

Gautschi OP, **Gallay MN**, Kress TT, Korte WC, Hildebrandt G. (2010). Chronic subdural hematoma –assessment and management [article in German], *Praxis (Bern 1994)*

Tessitore E, Corniola MV, **Gallay M**, Schaller K (2014): Grade I lumbar degenerative spondylolisthesis: do we always need fusion with bilateral screws and rods? *J Neurosurg Sci. 2014 Jun;58(2 Suppl 1):65-71*

Award

Young Investigator Award 2018, Focused Ultrasound Foundation