SWISS MEDICAL NETWORK



# Dr. med. Jeremy Brodard

Neurosurgeon, member of the Swiss Medical Association (FMH)

## Languages

FR,EN,DE

## Work Experience

• February 2008: Cervical Spine Congress, Munich, 14-15 February 2008
• December 2010: 5. Jahrestagung der Deutschen Wirbelsäulengesellschaft, Brehmen, 16-18 December 2010
• July 2011: Cervical Spine Course, Geneva, 14-15 July 2011
• December 2011: Dorsale Instrumentierungstechniken der Wirbelsäule – Workshop am Humanpräparat, Essen, 2-3 December 2011
• June 2012: SFCNS Congress, Swiss Federation of Clinical Neuro-Societies, Lugano, 7-8 June 2012, Poster presentation: « Clinical and radiological results of PMMA augmented pedicle screws in patient with osteopenic bone »
• February 2013: 5th INWC, Chamonix, 11 February 2013, Oral presentation: « Quantitative Assessment of Operative Fields of Minimal Invasive Approaches to the Anterior Fossa »
• February 2013: Neuroscience meeting, Genève, 27.02.2013, Présentation orale: « Quantitative Assessment of Operative Fields of Minimal Invasive Approaches to the Anterior Fossa and Pineal Region »
• June 2013: SFCNS Congress, Swiss Federation of Clinical Neuro-Societies, Montreux, 05-07.06.2013, Présentation d'un Poster: « Quantitative Comparison of Posterior Approaches to Pineal Gland: Infratentorial Supracerebellar Versus Occipital Transtentorial »
• September-October 2013: ISPN, 41st Annual Meeting, International Society for Pediatric Neurosurgery, Mainz, 29.09-03.10.2013, Présentation d'un E-poster: « Cavernoma of the third ventricle: study of a pediatric case and literature review »
• October 2013:
- 21. Jahrestagung der Gesellschaft für Schädelbasischirurgie e.V. (GSB), Tübingen, 11-12 October 2013, Poster presentation: « Quantitative Assessment of Operative Fields of Minimal Invasive Approaches to the Anterior Fossa »
- 2nd prize for best poster
• June 2014: SFCNS Congress, Swiss Federation of Clinical Neuro-Societies, Zürich, 12-13.06.2014
• September 2015: SFCNS Congress, Swiss Federation of Clinical Neuro-Societies, Lucerne, 10-11.09.2015, Poster presentation : « Jugular foramen meningioma with transverse and sigmoid sinuses invasion and jugular vein extension »
• May 2016: Masterclass (sponsored by Zimmer-Biomet): « Timberline Lateral Fusion System », Winterthur, 26-27 mai 2016
• July 2016: Summer University (sponsored by Medtronic), Munich, 6-8 July 2016
• July 2016: OLIF Technique Training (sponsored by Medtronic), Manchester, 22 July 2016
• September 2016: Course on lumbar fixation with the cortical bone trajectory (sponsored by Spineart), Bordeaux, 30 September 2016
• June 2017: Course on osteotomies and sacroiliac joints (sponsored by DePuy Synthes/Johnson & Johnson), Zuchwil, 7 June 2017
• June 2017: Annual meeting of the SSNC (Société Suisse de Neurochirurgie), Bern, 8-9 June 2017

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| since 2017 | Independent neurosurgeon |
| 2016–2017 | Chief resident, FMH-certified specialist within the Neurosurgery department at theHospital of Sion, under the supervision of Dr M Morard |
| 2015–2016 | Senior staff, FMH-certified specialist and joint Team leader of the Spine surgery unit within the Neurosurgery department of the Klinikum rechts der Isar der TU hospital in Munich, Germany, under the supervision of Professor B Meyer |
| 2014 | Resident at the Spine centre of the Schulthess Clinic in Zurich under the supervision of Dr F Porchet |
| 2013 | Fellowship in the Neurosurgery department at the Klinikum rechts der Isar der TU, hospital in Munich, Germany, under the supervision of Professor B Meyer (Fellowship sponsored by the EANS (European Association of Neurosurgical Societies)) |
| 2009–2013 | Neurosurgery resident at the university hospitals of geneva, under the supervision of Professor K Schaller |
| 2008–2009 | Neurosurgery resident at the University hospital vaud under the supervision of Professor M Levivier |

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| 2004–2008 | • Two-month placement in the Neurosurgery department at the Royal Melbourne Hospital, under the supervision of Professor A Kaye<br>• Various placements in the Internal and ambulatory medicine department<br>• One-month placement in the Neurology department at the Hôpitaux Universitaires de Genève, under the supervision of Professor T Landis<br>• Two-month placement in the Neurosurgery department at the Hôpitaux Universitaires de Genève, under the supervision of Professor K Schaller<br>• Two-month placement in the Paediatrics department at the San Juan de Deu Hospital in Barcelona, Spain, under the supervision of Professor R Jimenez<br>• Clinical placements (4th year, Hôpitaux Universitaires de Genève, Geneva): Internal medicine, obstetrics/gynaecology, community health, psychiatry, otorhinolaryngology, dermatology, neurology, plastic surgery and orthopaedics<br>• Pre-doctorate assistant in practical neuroanatomy works for 3 months per year<br>• Night-worker in epilepsy pre-surgery assessment unit, Hôpital Cantonal Universitaire, Genève, for 6 hours per week<br>• Employed as an Accidents and emergency telephone operator in Geneva for 4 hours per week<br>• One-month placement in the General surgery department at the Cipto Mangunkusumo Hospital in Jakarta, Indonesia, under the supervision of Dr P Sonar Soni. |

## Education

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| 2016 | German neurosurgery diploma, Munich, Germany |
| 2015 | Post-graduate diploma to become an FMH-certified neurosurgeon, Bern, Switzerland |
| 2014 | Oral exam to become an FMH-certified neurosurgeon, Basel, Switzerland |
| 2013 | Radioprotection course, Expert diploma in radioprotection, Lausanne, Switzerland |
| 2013 | Diploma from the EANS written neurosurgery exam, part I, Prague, Czech Republic |
| 2013 | Diploma for the basic general surgery exam, Geneva, Switzerland |
| 2012 | Doctorate in medicine thesis under thesis supervisors: Dr Bénédict Rilliet and Professor K. Schaller: "*Third ventricular cavernoma: paediatric case study and literature review*", Geneva, Switzerland |
| 2001–2008 | Federal diploma of medicine, Faculty of medicine, University of Geneva, Switzerland |

## Memberships

- Member of the Swiss Medical Association (FMH) (2017)
- Member of EUROSPINE (2016)
- Member of the SSNC (Société Suisse de Neurochirurgie) (2015)
- Member of the EANS (European Association of Neurosurgical Societies) (2012)
- Member of the ASMAC (Association Suisse des Médecins-Assistants et Chefs de Clinique) (2010)

## Research

- Since 2015: Participation in a prospective study with Dr. F. Ringel, Dr. E. Shiban, Dr. I. Janssen et le Prof. B. Meyer (Klinikum rechts der Isar, Munich, University medicine Johannes Gutenberg, Mainz, Germany): «Infection chronique et tardive dans la chirurgie spinale »

- Since 2011 : Participation in a prospective study with Dr. E. Tessitore (HUG): « Magnetic Resonance Imaging with Diffusion Tensor (DTI) and somatosensory (SEP) and motor evoked potentials in patients operated for cervical spondylotic myelopathy: how to identify the best responders to surgical treatment »
- 2010-2015 : Creation of a neuroanatomy laboratory under the supervision of Dr Ivan Radovanovic: « Etude des différentes voies d'approche microchirurgicale de la base du crâne avec quantification de la manœuvrabilité chirurgicale »

## Publications

Villard J, Brodard J, Jägersberg M, Schaller K, Tessitore E: Clinical and radiological results of PMMA augmented pedicle screws in patient with osteopenic bone, Central Neurosurgery, A3, 73:A16, May 2012
• Brodard J, Jägersberg M, Schaller K, Kucharczyk W, Qiu J, Radovanovic I Quantitative assessment of operative fields of posterior approaches to pineal region: median Infratentorial supracerebellar versus occipital transtentorial, Swiss Archives of Neurology and Psychiatry, Supplementum 6, 2013;164
• Brodard J, Radovanovic I, Cabrilo I, Schaller K: Jugular foramen meningioma with transverse and simoid sinuses invasion and jugular vein extension. EANS case of the month, June 2012.
• Brodard J: Cavernome du troisième ventricule: étude d'un cas pédiatrique et revue de la littérature, Directeurs de Thèse : Rilliet B, Schaller K. Thèse de doctorat : Univ. Genève, 2012 - Méd. 10663 - 2012/02/08
• Brodard J, Radovanovic I, Cabrilo I, Schaller K: Jugular foramen meningioma with transverse and sigmoid sinuses invasion and jugular vein extension, Case Report, J Neurol Surg A Cent Eur Neurosurg 2015; 76 - P057
• Jägersberg M, Brodard J, Qiu J, Mansouri A, Doglietto F, Gentili F, Kucharczyk W, Fasel J, Schaller K, Radovanovic I : Quantification of working volumes, exposure, and target-specific maneuverability of the pterional craniotomy and its minimally invasive variants, World Neurosurg. 2017 May;101:710-717.e2.
• Ringel F, Ryang YM, Kirschke JS, Müller BS, Wilkens JJ, Brodard J, Combs SE, Meyer B : Radiolucent carbon-fiber reinforced pedicle screws for the treatment of spinal tumors: Advantages for radiation planning and follow-up imaging, World Neurosurg. 2017 May 3. pii: S1878-8750(17)30597-1

## Accreditation

Clinique de Genolier

Clinique Générale Ste-Anne

## Specialties

Neurosurgery

Spinal surgery

Slipped disc in the cervical spine – cervical disc herniation

Herniated disc in the lumbar spine

Herniated disc in the thoracic spine

Cervical spondylotic myelopathy

Osteoporosis – fractures in the spine

Intervertebral disc prosthesis | Artificial intervertebral disc

Scoliosis and kyphosis – curvature of the spine

Spinal stenosis – narrowing of the spinal canal

Spinal tumours and metastases on the spinal column

## Contact

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