



Dr méd. Rodolfo Maduri

FMH Specialist in Neurosurgery and Spinal Surgery

Profile

Languages

French, English, Italian (mother language)

Work experience

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| 2017-2019 | Attending Neurosurgeon (Chef de Clinique)
Service of Neurosurgery & Spine Unit
Paediatric Neurosurgery
Department of Clinical Neuroscience
Service of Neurosurgery, University Hospital of Lausanne (CHUV) |
| 2015-2016 | Resident in Oncology and Rhinology Unit
Department of Anaesthesiology and Surgery
Service of Ear/Nose/Throat (ENT), Head and Neck
University Hospital of Lausanne (CHUV) |
| 2013-2016 | Neurosurgical Residency
Department of Clinical Neurosciences
Service of Neurosurgery
University Hospital of Lausanne (CHUV) |
| 2012-2013 | Resident in Neurosurgery
Neurological and Neurosurgical Hospital "Pierre Wertheimer"
Hospices Civils de Lyon - France |

Education

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|------|---|
| 2019 | <ul style="list-style-type: none">• Eurospine Advanced Diploma Course• Fellow of the European Board of Neurological Surgery (FEBNS) |
| 2018 | <ul style="list-style-type: none">• Swiss Board of Neurosurgery (FMH)• Medical Doctor graduation diploma
University of Lausanne "UniL", Lausanne (Switzerland) |
| 2017 | Clinical research investigator (GCP-ICP) Certification.
University of Lausanne "UniL", Lausanne (Switzerland) |
| 2011 | Medical Doctor graduation with mention
University "Magna Graecia" of Catanzaro (Italy) |

Memberships

- Eurospine Society (Active Member)
- European Association of Neurosurgical Societies (EANS)
- International Society of Paediatric Neurosurgery (ISPN)
- Swiss Medical Federation (FMH)
- Medical, Surgical & Dentistry Board of Catanzaro (FNOMCeO), Italy

Competences

- Spinal Surgery
- Image guided minimally invasive spine surgery
- Oncologic neurosurgery (brain and spine tumors)
- Pediatric Neurosurgery (craniofacial malformations, brain-tumors)

Publications

Academic & scientific activity

Visiting Professor of Neurosurgery, Faculty of Biology & Medicine, University “Aldo Moro” of Bari, Bari (Italy)

Research studies as Principal Investigator:

- The efficacy of image guided minimal access resection of spinal intradural tumors: surgical outcomes with and without image merged tailored access resection (IMTAR). Start date: January 1st, 2016 – End date, December 31th, 2018. Competent EC: CER-VD, protocol n. 172/15
- Impact of delayed cerebral ischemia (DCI) on the neuropsychological outcome after aneurysmal subarachnoid haemorrhage – a Swiss SOS multicentre observational study. Clinicaltrial.gov identification number NCT03032471.
- Swiss SOS study. Multicenter study on aneurysmal subarachnoid haemorrhage. Clinicaltrial.gov identification number: NCT03245866.

Relevant publications about Spine Surgery:

- Book chapter: “Management of CSF Fistula” in Spine Surgery. A Case Based Approach, Bernhard Meyer, Michael Rauschmann, Springer 2019, ISBN ISBN 978-3-319-98874-0.
- Book chapter: “Subaxial Cervical Trauma”, in Spine Surgery. A Case Based Approach, Bernhard Meyer, Michael Rauschmann, Springer 2019, ISBN ISBN 978-3-319-98874-0.
- Bone cylinder plug and coil technique for accurate pedicle localization in thoracic spine surgery: A technical note. Surg Neurol Int. 2019 Jun 19;10:104. doi: 10.25259/SNI-258-2019. eCollection 2019. PMID:31528442.
- Image Merge Tailored Access Resection (IMTAR) of Spinal Intradural Tumors. Technical Report of 13 Cases. World Neurosurg. 2017 Feb;98:594-602. doi: 10.1016/j.wneu.2016.05.092. Epub 2016 Jun 8.
- Spinal angioliipomas in pregnancy: Natural history and surgical treatment. Clin Neurol Neurosurg. 2019 Mar;178:25-30. doi: 10.1016/j.clineuro.2019.01.015. Epub 2019 Jan 21. Review. PMID: 30684928.
- Surgery for intramedullary astrocytomas: does tumour location matter? Acta Neurochir (Wien). 2017 Feb 28. doi: 10.1007/s00701-017-3116-1.
- Cannabinoid-induced alteration of motor-evoked potentials (MEPs) prior to intradural spinal tumor removal: a nasty surprise. Childs Nerv Syst. 2018 Jul;34(7):1287-1289. doi: 10.1007/s00381-018-3830-x. Epub 2018 May 25.
- Other publications available on Pubmed.gov:
<https://www.ncbi.nlm.nih.gov/pubmed/?term=maduri+r >

Media

Radio :

- [La chirurgie mini-invasive en neurochirurgie](#)
- [Prise en charge multidisciplinaire en chirurgie spinale](#)
- [Nouvelles technologies et chirurgie spinale](#)

Presse:

- Lausanne Cités, 2020 : "[La chirurgie minimale-invasive pour traiter les hernies discales](#)"

Handouts Presentations

Presentations at congresses as Speaker

- Spinal angioliipomas in pregnancy: natural history and surgical treatment. 68° Congress of the Italian Society of Neurosurgery, 2019 September 16-19, Roma (Italy).
- C1-C2 posterior screw fixation and cage assisted facet arthrodesis (CAFA): description of the technique and results. 67° Congress of the Italian Society of Neurosurgery, 2018 September 19-21, Ancona (Italy).
- Minimally invasive resection of ventral and ventrolateral intradural extramedullary spinal lesions. Clinical outcome and the addition of the image merge technique. Global spine Congress, 2017 May 3-6, Milan (Italy) & Swiss Congress of Neurosurgery, 2017 June 08-09, Basel (Switzerland) & 66° Congress of the Italian Society of Neurosurgery, 2017 June 21-22, Verona (Italy).
- Image merge tailored access resection (IMTAR): technical improvement for spinal intradural tumors resection. 65° Congress of the Italian Society of Neurosurgery, 2016 October 19-21, Rome (Italy).
- Posterior circulation aneurysms: epidemiology, patterns of care and outcomes from the Swiss SOS national registry. EANS Congress 2016, September 6, Athens (Greece) & 65° Congress of the Italian Society of Neurosurgery, 2016 October 19-21, Rome (Italy).
- Treatment of ruptured PICA aneurysms in the endovascular era. Evidence from the Swiss SOS national database. EANS Congress 2016, September 6, Athens (Greece) & 65° Congress of the Italian Society of Neurosurgery, 2016 October 19-21, Rome (Italy).
- Multidisciplinary evidence-based approach (MEBA) to thoraco-lumbar spine fractures: a single institution experience. 64° Congress of the Italian Society of Neurosurgery, 2015 June 24-26, Naples (Italy).
- Image merged guided spine surgery for intradural tumors: retrospective series of 8 cases. Global Spine Congress, 2015 May 21-23, Buenos Aires (Argentina).
- Surgical resection of low-grade gliomas infiltrating the operculo-insular region. 62° Congress of the Italian Society of Neurosurgery 2013 October 11 Palermo (Italy).
- Endovascular treatment of two concomitant causes of pulsatile tinnitus: sigmoid sinus stenosis and ipsilateral jugular bulb diverticulum. Case report and literature review. 61° Congress of the Italian Society of Neurosurgery 2012 October 14 Rimini (Italy).

Accreditation

[Clinique de Genolier](#)

[Clinique de Montchoisi](#)

Specialties

[Spinal surgery](#)

[Neurosurgery](#)

Contact

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1006 Lausanne

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