



Dr méd. Rodolfo Maduri

FMH Specialist in Neurosurgery and Spinal Surgery

Profile

Languages

French, English, Italian (mother language)

Work experience

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| 2020 | Consultant Neurosurgeon (Spine Surgery), Clinique de Genolier and Clinique de Montchoisi, Swiss Medical Network, Switzerland |
| 2017-2019 | Attending Neurosurgeon (Chef de Clinique), Service of Neurosurgery & Spine Unit, Paediatric Neurosurgery, Department of Clinical Neurosciences, Service of Neurosurgery, University Hospital of Lausanne (CHUV), Switzerland |
| 2013-2016 | Neurosurgical Residency, Department of Clinical Neurosciences, Service of Neurosurgery, University Hospital of Lausanne (CHUV), Switzerland |
| 2012-2013 | Médecin Assistant - Neurochirurgie, Hôpital Neurologique et Neurochirurgical "Pierre Wertheimer", Hospices Civils de Lyon, France |

Education

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| 2019 | Fellow of the European Board of Neurological Surgery (FEBNS) |
| 2019 | Eurospine Advanced Diploma |
| 2018 | <ul style="list-style-type: none">• Swiss Board of Neurosurgery (FMH)• Medical Doctor graduation diploma University of Lausanne "UniL", Lausanne (Switzerland) |
| 2018 | 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

- Swiss Society of Spine Surgery (SGS)
- Society for Minimally Invasive Spine Surgery (SMISS)
- Eurospine Society
- European Association of Neurosurgical Societies (EANS)
- Italian Society of Neurosurgery (SiNCh)
- International Society of Paediatric Neurosurgery (ISPN)

Competences

- Minimally invasive spine surgery
- Transtubular resection of cervical, thoracic and lombar disc herniations
- Image guided minimally invasive resection of spine tumos
- “Re-do” Spine Surgery
- Minimally invasive treatment of spinal fractures

Publications

Academic & scientific activity

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

Research studies as Principal Investigator in Spine Surgery:

- 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

Peer-reviewed articles about Spine Surgery:

- *Transtubular Anterior Cervical Foraminotomy for the Treatment of Compressive Cervical Radiculopathy: Surgical Results and Complications in a Consecutive Series of Cases.* Asian Spine J. 2020 Nov 16. doi: 10.31616/asj.2020.0323. Online ahead of print. PMID: 3318910
- *Midline spinous process splitting laminoplasty in a newborn with thoracolumbar epidural hematoma: a bone-sparing procedure based on anatomy and embryology.* M. Childs Nerv Syst. 2020 Dec;36(12):3103-3108. doi: 10.1007/s00381-020-04611-9. Epub 2020 Apr 14. PMID: 32291493
- *Letter to the Editor. Bone cylinder plug and coil technique for accurate pedicle localization in thoracic spine surgery.* J Neurosurg Spine. 2020 Feb 28;1-2. doi: 10.3171/2019.12.SPINE191520. [Epub ahead of print] No abstract available. PMID: 32109869
- *Spinal epidural hematoma without significant trauma in children: two case reports and review of the literature.* BMC Pediatr. 2020 Feb 19;20(1):77. doi: 10.1186/s12887-020-1957-x. PMID: 32075604
- *Minimally invasive anterior foraminotomy for cervical radiculopathy: how I do it.* Acta Neurochir (Wien). 2020 Mar;162(3):679-683. doi: 10.1007/s00701-019-04201-y. Epub 2020 Jan 7. PMID: 31912354
- *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
- *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
- *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.
- *Surgery for intramedullary astrocytomas: does tumour location matter?* Acta Neurochir (Wien). 2017 Feb 28. doi: 10.1007/s00701-017-3116-1
- *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.

Book chapters about Spine Surgery

- *Management of CSF Fistula in Spine Surgery. A Case Based Approach*, Bernhard Meyer, Michael Rauschmann, Springer 2019, ISBN ISBN 978-3-319-98874-0
- *Subaxial Cervical Trauma, in Spine Surgery. A Case Based Approach*, Bernhard Meyer, Michael Rauschmann, Springer 2019, ISBN ISBN 978-3-319-98874-0

Other publications available on Pubmed.gov:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=maduri+r>

Media

Radio :

- 2021, interview "[Qu'est-ce que la chirurgie spinale ?](#)"
- 2021, interview "[Les avancées technologies en chirurgie spinale](#)"
- 2021, interview "[L'approche multidisciplinaire en chirurgie spinale](#)"
- 2020, interview "[La chirurgie mini-invasive en neurochirurgie](#)"
- 2020, interview "[Prise en charge multidisciplinaire en chirurgie spinale](#)"
- 2020, interview "[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 about Spine Surgery

- Transtubular Anterior Cervical Foraminotomy for the Treatment of Compressive Cervical Radiculopathy: Surgical Results and Complications in a Consecutive Series of Cases. 69° Congress of the Italian Society of Neurosurgery, 2020 October 14-15, Virtual Congress (Italy).
- 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).
- 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).
- Minimally invasive treatment of neurogenic intermittent claudication: X-Stop® device in our experience. XX Congress of the Society of Young Surgeons (SPIGC), 2007 november 9, Naples (Italy).

Accreditation

[Clinique de Genolier](#)

[Clinique de Montchoisi](#)

[Centre Médical Montchoisi](#)

Specialties

[Spinal surgery](#)

[Neurosurgery](#)

Contact

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