



Dr. med. Rodolfo Maduri

FMH-certified neurosurgeon and spine surgeon

Languages

FR,EN,IT

Work Experience

since 2020	Accredited neurosurgeon (spine surgery), Clinique de Genolier and Clinique de Montchoisi, Swiss Medical Network, Switzerland
2017–2019	Neurosurgeon (Chief resident), Neurosurgery department and Spine unit, Paediatric neurosurgery, Department of clinical neuroscience, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland
2013–2016	Neurosurgery resident, Department of clinical neuroscience, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland
2012–2013	Neurosurgery resident, Hôpital Neurologique et Neurochirurgical Pierre Wertheimer, Hospices Civils de Lyon, France

Education

2021	FMH interdisciplinary specialised training in spinal surgery
2019	FEBNS (Fellow of the European Board of Neurological Surgery)
2019	Advanced diploma from EUROSPINE
2018	Doctorate in medicine, University of Lausanne, Switzerland
2018	FMH diploma in neurosurgery
2017	Clinical research investigator (GCP-ICP) Certification, University of Lausanne, Lausanne, Switzerland
2011	Doctorate in medicine with commendation, Magna Græcia University of Catanzaro, Italy

Competences

- Minimally invasive spine surgery using exoscopy
- Transtubular resections of herniated disks in the cervical, thoracic or lumbar spine
- Minimally invasive resections of spinal tumours using imaging as guidance
- Salvage surgery for patients who have undergone multiple spine surgeries
- Minimally invasive treatment of vertebral fractures

Memberships

- Member of the SGS (Schweizerische Gesellschaft für spinale Chirurgie)
- Member of the SMISS (Society for Minimally Invasive Spine Surgery)
- Active member of EUROSPINE

- Member of the EANS (European Association of Neurosurgical Societies)
- Member of the SINch (Società Italiana Neurochirurgia)
- Member of the ISPN (International Society for Pediatric Neurosurgery)

Publications

Academic and scientific activity

Teaching of spine surgery

- Guest lecturer in neurosurgery, Faculty of biology and medicine, University of Bari Aldo Moro, Italy. Academic year 2019, Chairman: Prof. Francesco Signorelli.

Work as main researcher in the field of 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 publications in the field of spine surgery:

- *Long-term clinical and radiological outcomes of anterior uncoforaminotomy for unilateral single-level cervical radiculopathy: A retrospective cohort study. Letter to the editor.* Spine J. 2021 Sep;21(9):1597-1598. doi: 10.1016/j.spinee.2021.05.00
- *Endoscopic treatment of spinal arachnoid cysts.* Heliyon. 2021 Apr 12;7(4):e06736. doi: 10.1016/j.heliyon.2021.e06736. eCollection 2021 Apr. PMID: 33889785
- *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 angiolipomas 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 in the field of 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

Autres publications "Peer reviewed" disponibles sur Pubmed.gov:

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

Handouts Presentations

Conference presentations in the field of spine surgery:

- Transtubular Image-Guided Surgery for Spinal Intradural Lesions. Techniques, Results & Complications in a Consecutive Series of 60 cases. EANS Congress 2021, Spine Tumors Session, Monday October 04th, 2021.
- Spinal angioliipomas in pregnancy: natural history and surgical treatment
68th 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.
67th 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) & 66th 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.
65th 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. 64th 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 SPIGC (Società Polispecialistica Italiana dei Giovani Chirurghi), 9 November 2007, Naples (Italy).

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](#)"

Press:

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

Accreditation

[Clinique de Genolier](#)

[Clinique de Montchoisi](#)

Specialties

[Neurosurgery](#)

[Spinal surgery](#)

[Spinal stenosis – narrowing of the spinal canal](#)

[Osteoporosis – fractures in the spine](#)

[Spinal tumours and metastases on the spinal column](#)

[Herniated disc](#)

[Slipped disc in the cervical spine – cervical disc herniation](#)

[Herniated disc in the lumbar spine](#)

Contact

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hirurgie-et-chirurgie-du-rachis](https://www.onedoc.ch/fr/clinique-privee/genolier/ev3s/clinique-de-genolier-neuroc-hirurgie-et-chirurgie-du-rachis)

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