SWISS MEDICAL NETWORK



Dr. med. Alexandre Simonin

Neurosurgeon FMH

Languages

FR,EN,DE

Work Experience

since 2026	Accredited Physician — Clinique de Montchoisi, Lausanne, Switzerland
2023	Faculty — Stoeckli Medical (endoscopic spine surgery) and Medtronic
2022	Associate physician — Hôpital de Sion, Valais; Neurosurgeon, Summit Clinic, Crans-Montana, Switzerland
2022	Hospital physician — Hôpital de Sion, Valais, Switzerland
2021	Chief resident — Hôpital de Sion, Valais
2020	Clinical Lecturer — UWA (University of Western Australia), Australia
2020	Fellow in Neurosurgery — Perth University Hospital, Australia
2019	Junior Consultant — University Hospital of Reunion, France
2018	Head of the new surgical anatomy laboratory — CHUV, Lausanne, Switzerland
2017	Neurosurgical consultant, Department of Neurosurgery — CHUV, Lausanne, Switzerland
2017	1-year fellowship as registrar in spine surgery, Orthopedic Surgery — Hôpital Cantonal de Fribourg, Switzerland
2016	Promotion to Registrar / Deputy Senior Resident, Department of Neurosurgery — CHUV, Lausanne University Hospital, Lausanne, Switzerland
2014	Neurosurgery resident, Hôpital de Sion — Valais, Switzerland
2011	Start of neurosurgical training — CHUV, Lausanne, Switzerland

Education

2023	Co-Instructor for Spinal Endoscopy Courses
2021	Postgraduate Diploma in Spinal Surgery
2021	European Fellow of Neurosurgery (FEBNS)
2017	Awarded the FMH Specialist Title in Neurosurgery
2015	MD degree, CHUV, Lausanne
2013	Advanced Trauma Life Support
2011	Federal Diploma in Medicine; commenced doctoral thesis: *"Predicting the Outcome of Post-Anoxic Comatose Patients Based on Single-Trial EEG Analysis"*, CIBM, CHUV, Lausanne, Switzerland
2009–2010	5th Year of Medical School, CHUV, Lausanne, Switzerland; Master's Thesis: *"Neuronal Plasticity in Human Hearing"* (under the supervision of Prof. Stephanie Clarke)

Publications

Nazeeruddin S, Fournier JY, Simonin A. Full-endoscopic posterior cervical foraminotomy: case-series and technical nuances. *World Neurosurgery: X*.

Castel X, d'Astorg H, Lonjon G, Faure A, Giorgi H, Ferracci FX, Lechanoine F, Cristini J, Dhenin A, Guerin G, Lebhar J, Simonin A, Pellet N, Sabah Y, Vassal M, Szadkowski M, Dupuy M. Comparison of saline consumption between microdiscectomy, uniportal, and biportal endoscopic lumbar disc surgery: a multicenter observational study. *Eur Spine J*. 2025 Dec;34(12):5757-5764. doi: 10.1007/s00586-025-09256-3. Epub 2025 Aug 18. PMID: 40820108.

Al Barajraji M, Barrit S, Boukind A, Telfeian AE, Quillo-Olvera J, Afathi M, Hassel F, Derman PB, Challali M, Simonin A, Devalckeneer A, Tominaga R, Le Huec JC, Santander XA, Motov S, Assaker R, Remacle T; Neurocore-SENSED Research Group. Spine endoscopic surgery establishment for disc disease (Neurocore-SENSED): an open and decentralized consensus.

Soubach, Fournier, Simonin. C7–T1 full-endoscopic posterior foraminotomy and sequestrectomy using navigation. *Neurospine*. 2024.

Kiss-Bodolay D, Papadimitriou K, Simonin A, Huscher K, Fournier JY. Traumatic brain injury in alpine winter sports: comparison of two case series from a Swiss trauma center 30 years apart. *J Neurol Surg A Cent Eur Neurosurg*. 2023.

Simonin A, Papadimitriou K, Fournier JY. [Spinal injury related to alpine winter sports]. *Rev Med Suisse*. 2023.

Simonin A, Troxler S, Fournier JY. Reducing the learning curve of interlaminar full-endoscopic discectomy: mushroom model-simulation training. *Eur Spine J*. 2023.

Papadimitriou K, Kiss-Bodolay D, Hedjoudje A, Millan DS, Simonin A, Fournier JY, Huscher K. Late metachronous cerebral metastasis of pancreatic adenocarcinoma of the tail of the pancreas: a case report. *J Med Case Rep*. 2022.

Simonin A, Lind CRP. Surgical management of symptomatic cavum septum pellucidum cysts: systematic review of the literature. *Neurosurg Rev*. 2021.

Simonin A, Philippe J, Fournier JY. Full-endoscopic resection of a recurrent posterior longitudinal ligament cyst: technical note. *World Neurosurg*. 2021.

Bizilis JC, Simonin A, Lind CR. Delayed oculomotor nerve palsy associated with a ruptured anterior communicating aneurysm: case report. *J Clin Neurosci*. 2021.

O'Rawe M, Chandran AS, Joshi S, Simonin A, Dyke JM, Lee S. A case of subependymal giant cell astrocytoma without tuberous sclerosis complex and review of the literature. *Childs Nerv Syst*. 2021.

Simonin A, Bangash O, Henley D, Bala A. Endonasal endoscopic resection of suprasellar craniopharyngioma: a retrospective single-center case series. *J Clin Neurosci*. 2020.

Bangash O, Simonin A, Tsimiklis C, Ramakonar H, Honeybul S. Prophylactic levetiracetam-induced pancytopenia with traumatic extra-dural hematoma: case report. *J Clin Neurosci*. 2020.

Simonin A, Bangash O, Chandran AS, Uvelius E, Lind C. Endoscopic fenestration of cavum septum pellucidum cysts to the third ventricle: technical note. *Oper Neurosurg (Hagerstown)*. 2020.

Passaplan C, Simonin A, Gautier E. Posterior wall acetabular fracture in a 13-year-old boy treated by open reduction and mini-plate internal fixation: long-term follow-up of 17 years. *Arch Orthop Trauma Surg*. 2020.

Giammattei L, Starnoni D, Maduri R, Bernini A, Abed-Maillard S, Rocca A, Cossu G, Simonin A, Eckert P, Bloch J, Levivier M, Oddo M, Messerer M, Daniel RT. Implementation of cisternostomy as adjuvant to decompressive craniectomy for the management of severe brain trauma. *Acta Neurochir (Wien)*. 2020.

Passaplan C, Simonin A, Maestretti G, Gautier E. Management of instability following pyogenic sacroiliitis: technical case report. *Case Rep Orthop*. 2020 Feb 29;2020.

Tompkins A, Chandran A, Lind C, Simonin A. Sudden onset of paraparesis caused by a hemorrhagic thoracic synovial cyst. *World Neurosurgery*. 2019.

Simonin A, et al. Correlation of papilledema and intracranial hypertension in Crouzon syndrome: case report and review of the literature. *Pediatric Neurosurgery*. 2019.

Simonin A, et al. Multimodal regional brain monitoring of tissue ischemia in severe cerebral venous sinus thrombosis. *Neurocritical Care*. 2019.

Simonin A, et al. Degenerative disc disease mimicking spondylodiscitis with bilateral psoas abscesses. *World Neurosurgery*. 2018.

Simonin A, et al. Pott's puffy tumor presenting as a frontal swelling under a Swiss army helmet. *Clinical Neurology and Neurosurgery*. 2018.

Simonin A, et al. Giant extra-axial cavernous angioma of the falx: case report. *Neurosurgery*. 2018 Mar.

Simonin A, et al. External ventricular drainage in acute cerebral venous thrombosis with bilateral thalamic infarcts. *Journal of Pediatric Neurology*. 2017.

Simonin A, et al. Three-dimensional printing of a sinus pericranii model: technical note. *Childs Nerv Syst*. 2017.

Tzovara A, Simonin A, Oddo M, Rossetti AO, De Lucia M. Reply: neural detection of complex sound sequences or of statistical regularities in the absence of consciousness? *Brain*. 2015.

Simonin A, et al. Progressive quadriparesis due to anterior odontoid screw upward migration in rheumatoid arthritis. *The Spine Journal*. 2015.

Simonin A, Levivier M, Bloch J, Messerer M. Cranial nerve palsies after shunting of an isolated fourth ventricle. *BMJ Case Rep*. 2015 Sep 9.

Tzovara A, Simonin A, Oddo M, Rossetti AO, De Lucia M. Neural detection of complex sound sequences in the absence of consciousness. *Brain*. 2015 May;138(Pt 5):1160-6. doi: 10.1093/brain/awv041. Epub 2015 Mar 3.

Bourquin NM, Simonin A, Clarke S. Repetition-induced plasticity of motor representations of action sounds. *Brain Topogr*. 2013 Jan;26(1):152-6.

Cossy N, Tzovara A, Simonin A, Rossetti AO, De Lucia M. Robust discrimination between EEG responses to categories of environmental sounds in early coma. *Front Psychol*. 2014 Feb 25;5:155.

Simonin A, Levivier M, Nistor S, Diserens K. Kernohan's notch and misdiagnosis of disorders of consciousness. *BMJ Case Rep*. 2014 Feb 17;2014.

Simonin A, Gonzalez M, Levivier M, Duff J. Letter to the editor: dural reconstruction with a vascularised pleural flap following en bloc resection of a thoracic epithelioid sarcoma: technical note. *Acta Neurochir (Wien)*. 2014 Mar 25.

Memberships

- European Association of Neurosurgical Societies (EANS) — European Fellow of Neurosurgery (FEBNS)
- Swiss Society of Neurosurgery (SSNC)
- Swiss Society of Spinal Surgery (SGS)

- Faculty for Medtronic, Nexon Medical, Riwo Spine, and Stoeckli Medical (endoscopic spine surgery training)

Accreditation

Clinique de Montchoisi

Specialties

Neurosurgery

Spinal surgery

Contact

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