



Dr. med. Janine-Ai Schlaeppi

Spinal Surgery
Interventional pain therapy SSIPM
Manual medicine

Languages

DE,EN,FR,ES,JA

Memberships

Association of Swiss Assistant and Senior Physicians VSAO
Swiss Society for Neurosurgery SGNC
Swiss Society for Interventional Pain Management SSIPM
International Society for Neuromodulation INS
Swiss Pain Society SPS

Competences

- Diagnostic and therapeutic pain treatment of the musculoskeletal system and nerves using X-ray and ultrasound
- Balloon compression of the trigeminal nerve for trigeminal neuralgia
- Neuromodulation (spinal cord stimulation, dorsal root ganglion stimulation, peripheral nerve stimulation, vagus nerve stimulation)
- Manual medicine (diagnostics and treatment)
- Trigger point treatment
- Dry needling Top30
- Microsurgical and minimally invasive spinal surgery
- Functional interventions for movement disorders and pain
- Stereotaxy
- Navigated and microsurgical operations on the brain

Work Experience

since 2025	Specialist at Neuropraxis Münsingen AG
since 2017	Senior Consultant, Department of Neurosurgery, Inselspital Bern (Prof. A. Raabe)
2023–2024	Senior Consultant for pain therapy, Biel Hospital Centre (Dr D. Kwiatkowski)
2016	Deputy Senior Physician, Department of Neurosurgery, Inselspital Bern (Prof. A. Raabe)
2015	Assistant doctor, Department of Neurosurgery, Inselspital Bern (Prof. A. Raabe)

2012–2014	Assistant doctor, Department of Neurosurgery, Cantonal Hospital Aarau (Prof. J. Fandino)
2011	Assistant doctor surgery, Biel Hospital Centre (Prof. U. Laffer)
2010	Assistant doctor in emergency medicine, Hirslanden Bern (Dr H. Steinhauer, Dr C. Morger)
2009–2010	Assistant doctor Department of Neurosurgery and the Department of Intensive Care Medicine, Inselspital Bern (Prof A. Raabe, Prof J. Takala)
2009	Research in the Neurosurgical Research Laboratory for Neurosciences and Experimental Neurosurgery, Department of Neurosurgery and Department of Intensive Care Medicine, Inselspital Bern (Prof. HR Widmer, Prof. S. Jakob, Prof. J. Fandino)

Education

2024–2025	Master MAS Manual Medicine (SAMM) Pain School International
2024	POCUS certificate of competence in interventional pain therapy
2023	Eurospine Basic Diploma
2022	Certificate of competence in interdisciplinary specialisation in spinal surgery
2019–2021	Master in Translational Medicine and Biomedical Entrepreneurship at SITEM Bern (Swiss Institute for Translational and Entrepreneurial Medicine)
2018	SSIPM certificate of competence
2015	Specialist examination for neurosurgery
2014	EANS (European Association of Neurosurgical Societies) written specialist examination in Barcelona
2011	Basic surgery exam
2008	State examination in medicine Doctorate: 'Effects of creatine treatment on the neuronal phenotype and neurotoxicity in the cultured foetal spinal cord' (Prof. H.R. Widmer, Neurosurgical Research Laboratory, University of Bern)
2008	Stay abroad Hand and Plastic Surgery, Miami Hand Centre, Florida, USA, (Roger Khouri MD)
2001–2008	Medical studies at the University of Bern
2006	Exchange year Kyoto University, Keio University and Nippon Medical School Tokyo, Japan

Publications

Ducray A, Schlaeppli JA, Schlattner U, Qualls RL, Dreher E, Andres R, Seiler RW, Wallimann T and Widmer HR (2005).

Differentiation promoting effects of creatine treatment on GABAergic cells in cultures of rat and human spinal cord.

NECTAR Ann. Meeting, Amsterdam, NL.

Ducray A, Schlaeppli JA, Andres R, Huber A, Qualls R, Wallimann T, Schlattner U, Seiler RW and Widmer HR (2005).

GABAergic phenotype is promoted by creatine neurons in human and rat spinal cord cultures.

Day of Clinical Research, Univ. Bern.

Ducray A, Andres RH, Schlaeppli JA, Huber AW, Seiler RW, Wallimann T, Schlattner U and Widmer HR (2006).

Expression of creatine kinases in human fetal spinal cord.

Ann. Meeting, USGEB, Geneva, Switzerland.

- Ducray AD, Schlaeppli JA, Qualls R, et al.
Creatine treatment promotes differentiation of GABA-ergic neuronal precursors in cultured fetal rat spinal cord. *J Neurosci Res* 2007;85:1863-75.
- Marbacher S, Sherif C, Neuschmelting V, Schlaeppli JA, Takala J, Jakob S, Fandino J.
Extra-intracranial blood shunt mimicking aneurysm rupture: Intracranial-pressure-controlled rabbit subarachnoid hemorrhage model.
Journal of Neuroscience Methods (2010).
- Marbacher S, Sherif C, Neuschmelting V, Schlaeppli JA, Takala J, Jakob S, Fandino J.
Preliminary results of an ICP-controlled subarachnoid hemorrhage rabbit model for the study of delayed cerebral vasospasm.
Acta Neurochir Suppl (2011).
- Marbacher S, Erhardt S, Schlaeppli JA, Coluccia D, Remonda L, Fandino J and Sherif C.
Complex bilobular, bisaccular and broad-neck microsurgical aneurysm formation in the rabbit bifurcation model for the study of upcoming endovascular techniques.
American Journal of Neuroradiology (February 2011)
- Marbacher S, Schlaeppli JA, Fung C, Hüsler J, Beck J, Raabe A.
Do statins reduce the risk of intracranial aneurysm development: A case-control study.
Journal of Neurosurgery (2012)
- Kienzler J, Marbacher S, Remonda L, Soleman J, Schlaeppli JA, Leupold U, Fandino J.
Outcome after In-Hospital Rebleeding of Rupture of Intracranial Aneurysms
J Neurol Surg A Cent Eur Neurosurg. (2016)
- Soleman J, Leiggener C, Schlaeppli JA, Kienzler J, Fathi AR, Fandino J.
The Extended Subfrontal and Fronto-Orbito-Zygomatic Approach in Skull Base Meningioma Surgery: Clinical, Radiologic, and Cosmetic Outcome
J Craniofac Surg. (2016)
- Nowacki A, Debove I, Rossi F, Schlaeppli JA, Petermann K, Wiest R, Schüpbach M, Pollo C.
Targeting the posterior subthalamic area for essential tremor: proposal for MRI-based anatomical landmarks
J Neurosurg. (2018)
- Nowacki A, Galati S, Ai-Schlaeppli J, Bassetti C, Kaelin A, Pollo C.
Pedunculopontine nucleus: An integrative view with implications on Deep Brain Stimulation
Neurobiol Dis. (2019)
- J.A. Schlaeppli, L. Anderegg, A. Nowacki, C. Pollo
Stereotactic posterior midline approach under direct microscopic view for biopsy of medulla oblongata tumors: Technical considerations
Acta Neurochirurgica (2020)
- Amer Jaradat, M.D; Andreas Nowacki, M.D; Jens Fichtner; Janine-Ai Schlaeppli; Claudio Pollo
Stereotactic biopsies of brainstem lesions: which approach?
Acta Neurochir (Wien) 2021
- M. Lenard Lachenmayer, Melina Mürset, Nicolas Antih, Ines Debove, Julia Muellner , Maëlys Bompert, Janine-Ai Schlaeppli, Andreas Nowacki, Hana You, Joan P. Michelis, Alain Dransart, Claudio Pollo, Guenther Deuschl and Paul Krack
Subthalamic and pallidal deep brain stimulation for Parkinson's disease—meta-analysis of outcomes
NPJ Parkinson's Disease 2021

Jaradat A, Nowacki A, Montalbetti M, Debove I, Petermann K, Schlaeppli JA, Lachenmayer, Tinkhauser G, Krack P, Nguyen K, Pollo C.

Probabilistic Subthalamic Nucleus Stimulation Sweet Spot Integration Into a Commercial Deep Brain Stimulation Programming Software Can Predict Effective Stimulation Parameters

Neuromodulation: Technology at the Neural Interface (2022)

J.A. Schlaeppli, L.D. Affentranger, D. Bervini, W. Z'Graggen, C. Pollo

Electric Stimulation for Cerebral Vasospasm After Subarachnoid Hemorrhage: A systematic review

Neuromodulation: Technology at the Neural Interface 2022

J.A. Schlaeppli, H. Niebergall, F. Bremerich, A. Raabe

Rückenmarkstimulation bei «Virgin Back»

Swiss medical forum 2022

Andreas Nowacki, David Zhang, Sabry Barlatey, Janine-Ai Schlaeppli, Jan Rosner, Marcel Arnold, Claudio Pollo

Deep Brain Stimulation of the Central Lateral and Ventral Posterior Thalamus for Central Poststroke Pain Syndrome: Preliminary Experience

Neuromodulation: Technology at the Neural Interface 2022

J.A. Schlaeppli, R. Schreen, R. Mija, A. Nowacki, C. Pollo, K. Seidel

Intraoperative Motor Evoked Responses to Double-Train Paradigm Stimulation for Guiding Lead Placement and Postoperative Programming in Spinal Cord Stimulation for Pain

Neuromodulation: Technology at the Neural Interface 2023

Ines Debove, Katrin Petermann, Andreas Nowacki, Thuy-Anh Khoa Nguyen, Gerd Tinkhauser, Joan Philipp Michelis, Julia Muellner, Deborah Amstutz, Panagiotis Bargiotas, Jens Fichtner, Janine Ai Schlaeppli, Paul Krack, Michael Schuepbach, Claudio Pollo, and Martin Lenard Lachenmayer

Deep Brain Stimulation: When to Test Directional?

Movement Disorders Clinical Practice 2023

Schlaeppli JA, Schreen R, Seidel K, Pollo C

Intraoperative neurophysiological monitoring during spinal cord stimulation surgery: A systematic review

Neuromodulation: Technology at the Neural Interface 2023

F. Gazozcu, A. Schütz, R. Schär, JA Schlaeppli

The Impact of Spinal Cord Stimulation on Patients' Ability to Work and Work-related Outcomes

Paper under revisions

Accreditation

[Privatklinik Siloah](#)

Specialties

[Neurosurgery](#)

[Spinal surgery](#)

[Pain therapy](#)

Contact

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