SWISS MEDICAL NETWORK

Robert H. Andres

Facharzt für Neurochirurgie, FMH
Wirbelsäulenchirurgie SGNC/SGO
Interventionelle Schmerztherapie SSIPM

Langues

DE,EN,FR

Affiliations

Foederation Medicorum Helveticorum (FMH)
Schweizerische Gesellschaft für Neurochirurgie (SGNC)
Swiss Society for Interventional Pain Management (SSIPM)
Ärztegesellschaft des Kantons Bern (BEKAG)
Society for Neuroscience (SFN)
Swiss Society for Neuroscience (SSN)

Compétences

Neuro- und Wirbelsäulenchirurgie

Expérience professionnelle

Depuis 2013	Private practice for neurosurgery with attending physician activity
2012–2013	Associate Professor of Neurosurgery and Head of Teaching and Research at the Neurosurgical University Clinic at Inselspital Bern (Prof Andreas Raabe)
2009–2012	Senior physician at the Department of Neurosurgery at Inselspital Bern University Hospital (Prof Andreas Raabe)
2007–2009	Research stay (Cerebrovascular Research Fellowship) at Stanford University, Palo Alto, USA (Prof Gary K. Steinberg)
2006–2007	Senior Physician at the Department of Neurosurgery at Inselspital Bern University Hospital (Prof Rolf W. Seiler)

Formation

2022	Interdisciplinary specialisation in spinal surgery (SGNC/SGO)
2014	European Spine Diploma (Eurospine)
2012–2014	CAS University Didactics, University of Bern
2012	Habilitation and venia legendi in neurosurgery at the University of Bern
2012	Certificate in Interventional Pain Therapy (SSIPM)

2002–2007	Further training as a specialist in neurosurgery at the University of Bern Neurosurgery (Prof. Rolf W. Seiler) Neuroradiology (Prof Gerhard Schroth) Neurology (Prof Christian W. Hess)
2004	Doctorate (Dr med.) at the University of Bern (1st prize of the Faculty of Medicine)
1996–2002	Studied human medicine at the University of Bern and at Harvard Medical School, Boston, USA Swiss and American state examination

Publications

Scientific Articles in Refereed Journals

1. Reinert M, Wiest R, Barth L, Andres RH, Ozdoba C and Seiler RW. (2004) Transdermal nitroglycerin in patients with subarachnoid hemorrhage. Neurol Res 26:43-39. [IF=1.277, R=0.291]

2. Exadaktylos AK, Sclabas GM, Smolka K, Rahal A, Andres RH, Zimmermann H, and Iizuka T. (2005) The value of computed tomographic scanning in the diagnosis and management of orbital fractures associated with head trauma: a prospective, consecutive study at a level I trauma center. J Trauma 58(2):336 –341. [IF=2.626, R=0.825]

3. Schaller B, Andres RH, Huber AW, Meyer M, Pérez-Bouza A, Ducray AD, Seiler RW and Widmer HR. (2005) Effect of GDNF on differentiation of cultured ventral mesencephalic dopaminergic and non-dopaminergic neurons. Brain Res,1036:163-172. [IF=2.463, R=0.43]

4. Reinert M, Brekenfeld C, Taussky P, Andres RH, Barth A, and Seiler RW. (2005) Cerebral revascularization model in a swine. Acta Neurochir [Suppl] 94:153-157. [IF=1.472, R=0.596]

5. Andres RH, Huber AW, Schlattner U, Pérez-Bouza A, Krebs SH, Seiler RW, Wallimann T and Widmer HR. (2005) Effects of creatine treatment on the survival of dopaminergic neurons in cultured fetal ventral mesencephalic tissue. Neurosci, 133:701-713. [IF=3.292, R=0.613]

6. Andres RH, Ducray AD, Huber AW, Pérez-Bouza A, Krebs SH, Schlattner U, Seiler RW, Wallimann T and Widmer
HR. (2005) Effects of creatine treatment on survival and differentiation of GABA-ergic neurons in cultured striatal
tissue. J Neurochem, 95(1):33-45. [IF=3.999, R=0.748]

7. Zihlmann KB, Ducray AD, Schaller B, Huber AW, Krebs SH, Andres RH, Seiler RW, Meyer M and Widmer HR. (2005) The GDNF family members neurturin, persephin and artemin promote the morphological differentiation of cultured nigral dopaminergic neurons. Brain Res Bull, 68(1-2):42-53. [IF=2.184, R=0.357]

8. Andres RH, Ducray AD, Pérez-Bouza A, Schlattner U, Huber AW, Krebs SH, Seiler RW, Wallimann T and Widmer HR. (2005) Creatine supplementation improves dopaminergic cell survival and protects against MPP+ toxicity in an organotypic tissue culture system. Cell Transplant,14(8):537-50. [IF=5.126, R=0.958]

9. Ducray A, Kipfer S, Huber AW, Andres RH, Seiler RW, Schlattner U, Wallimann T and Widmer HR. (2006) Creatine and neurotrophins-4/5 promote survival of nitric oxide synthase-expressing interneurons in striatal cultures. Neurosci Lett, 395(1):57-62. [IF=1.925, R=0.287]

10. Ducray AD, Qualls R, Schlattner U, Andres RH, Dreher E, Seiler RW, Wallimann T and Widmer HR. (2007) Creatine promotes the GABAergic phenotype in human fetal spinal cord cultures. Brain Res, 16;1137(1):50-7. [IF=2.463, R=0.430]

11. Barth A, Guzman R, Andres RH, Mordasini P, Barth L and Widmer HR. (2007) Experimental intracerebral hematoma in the rat. Restor Neurol Neurosci, 25(1):1-7. [IF=3.714, R=0.700]

12. Ducray AD, Schlappi JA, Qualls R, Andres RH, Seiler RW, Schlattner U, Wallimann T and Widmer HR. (2007) Creatine treatment promotes differentiation of GABA-ergic neuronal precursors in cultured fetal rat spinal cord. J Neurosci Res, 85(9):1863-75. [IF=2.986, R=0.552]

13. Reinert M, Andres RH, Fuhrer M, Muller A, Schaller B and Widmer HR. (2007) Online correlation of spontaneous arterial and intracranial pressure fluctuations in patients

with diffuse severe head injury. Neurol Res, 29:455-62. [IF=1.277, R=0.291]
14. Schaller BB, Andres RH, Bonel HM and Exadaktylos AK. (2007) A new full body low dose X-ray technique is an alternative to conventional “shunt series“ in patients with ventriculoperitoneal shunt dysfunction. Am J Emerg Med, 25(6):702-3. [IF=1.542, R=0.789]
15. Marbacher S, Andres RH, Fathi AR, and Fandino J. (2008) Primary Reconstruction of Open Depressed Skull Fractures with Titanium Mesh. J Craniofac Surg, 19(2):490-5. [IF=0.812, R=0.307]
16. Andres RH, Barth A, Guzman R, Remonda L, El-Koussy M, Seiler RW, Widmer HR, and Schroth G. (2008) Endovascular and Surgical Treatment of Spinal Dural Arteriovenous Fistulas. Neuroradiology, 50(10):869-76. [IF=2.616, R=0.709]
17. Guzman R, Lovblad KO, Altrichter S, Remonda L, de Koning P, Andres RH, El-Koussy M, Kelly ME, Reiber JHC, Schroth G, Oswald H, Barth A. (2008) Clinical validation of an automated vessel-segmentation software of the extracranial carotid arteries based on 3D-MRA: A prospective study. J Neuroradiol 35(5):278-85. [IF=1.154, R=0.385]
18. Pendharkar AV, Chua JY, Andres RH, Wang N, Gaeta X, Wang H, De A, Choy R, Chen S, Rutt BK, Gambhir SS, and Guzman R. (2010) Biodistribution of Neural Stem Cells After Intravascular Therapy for Hypoxic-Ischemia. Stroke, 41(9):2064-70. [IF=7.041, R=0.976]
19. Andres RH, Graupner T, Bärlocher CB, Augsburger A, and Fandino J. (2010) Laser-guided Lumbar Medial Branch Kryorhizotomy. J Neurosurg Spine, 13(3):341-5. [IF=1.613, R=0.627]
20. Chua JY, Pendharkar AV, Wang N, Choi RY, Andres RH, Gaeta X, Zhang J, Moseley M, and Guzman R. (2010) Intra-arterial injection of neural stem cells is safe in an experimental stroke model. J Cereb Blood Flow Metabol, 31(5):1263-71. [IF=5.457, R=0.878]
21. Babey ME, Sahli R, Vajtai I, Andres RH, Seiler RW. (2011) Pituitary Surgery for Small Prolactinomas as an Alternative to Treatment with Dopamine Agonists. Pituitary 14(3):222-30. [IF=2.021, R=0.308]
22. Andres RH, Horie N, Slikker W, Keren-Gill H, Ke Z, Sun GH, McMillan E, Svendsen CN, Schaar BT, Mobley WC, Bliss TM, and Steinberg GK. (2011) Human Neural Stem Cells Enhance Structural Plasticity and Axonal Transport in the Ischemic Brain. Brain, 134(Pt 6):177-89. [IF=9.490, R=0.994]
23. Andereggen L, Schroth G, Gralla J, Seiler R, Mariani L, Beck J, Widmer HR, Andres RH, Christ E, Ozdoba C. (2012) Selective inferior petrosal sinus sampling without venous outflow diversion in the detection of a pituitary adenoma in Cushing's syndrome. Neuroradiology 54(5):495-503. [IF=2.870, R=0.786]
24. Andres RH, Choi R, Gaeta X, Wang N, Lee SW, Palmer TD, Steinberg GK, and Guzman R. (2011) The CCR2/CCL2 interaction mediates the transendothelial recruitment of intravascularly delivered neural stem cells to the injured brain. Stroke, 42(10):2923-31. [IF=7.041, R=0.976]
25. Reinert M, Mono ML, Kuhlen D, Mariani L, Barth A, Beck J, Andres RH, Gralla J, Wymann R, Schmidt J, Kauert C, Schroth G, Arnold M, Mattle HP, Raabe A, Fischer U. (2011) Restenosis after microsurgical non-patch carotid endarterectomy in 586 patients. Acta Neurochir, 154(3):423-31. [IF=1.472, R=0.596]
26. El-Koussy M, Schroth G, Gralla J, Brekenfeld C, Andres RH, Jung S, Kiefer C, Kottke R. (2012) Susceptibilityweighted MR Imaging for Diagnosis of Capillary Telangiectasia of the Brain. AJNR Am J Neuroradiol, 33(4):715-20. [IF=3.464, R=0.857]
27. Mosher KI, Andres RH (co-first), Fukuhara T, Bieri G, Hasegawa-Moriyama M, He Y, Guzman R, Wyss-Coray T. (2012) Neural progenitor cells regulate microglia functions and activity. Nature Neurosci, 15(11):1485-87. [IF=15.531, R=0.992]
28. Stieglitz LH, Fichtner J, Andres RH, Schucht P, Krähenbühl AK, Raabe A, Beck J. (2013) The Silent Loss of Neuronavigation Accuracy: A Systematic Retrospective Analysis of Factors Influencing the Mismatch of Frameless Stereotactic Systems in Cranial Neurosurgery. Neurosurgery 72(5):796-807. [IF=2.79, R=0.83]
29. Rummel C, Zubler C, Schroth G, Gralla J, Hsieh K, Abela E, Hauf M, Meier N, Verma RK, Andres RH, Nirkko AC, Wiest R. (2013) Monitoring cerebral oxygenation during balloon occlusion with multichannel NIRS. J Cereb Blood Flow Metab, 34(2):347-56. [IF=5.457, R=0.878]

30. Andres RH, Ducray AD, Andereggen L, Hohl T, Schlattner U, Wallimann T, Widmer HR. (2016) The effects of creatine supplementation on striatal neural progenitor cells depend on developmental stage. Amino Acids, 48(8):1913- 27. [IF=3,653, R=0.669]
31. Andereggen L, Gralla J, Andres RH, Weber S, Schroth G, Beck J, Widmer HR, Reinert M, Raabe A, Peterhans M. (2016) Stereolithographic models in the interdisciplinary planning of treatment for complex intracranial aneurysms. Acta Neurochir (Wien), 158(9):1711-20. [IF=1.788, R=0.629]
32. Andereggen L, Frey J, Andres RH, El-Koussy M, Beck J, Seiler RW, Christ E. (2017) 10-year follow-up study comparing primary medical vs. surgical therapy in women with prolactinomas. Endocrine, 55(1):223-230. [IF=3.527,R=0.603]
33. Andereggen L, Frey J, Andres RH, El-Koussy M, Beck J, Seiler RW, Christ E. (2017) Long-Term Follow-Up of Primary Medical Versus Surgical Treatment of Prolactinomas in Men: Effects on Hyperprolactinemia, Hypogonadism, and Bone Health. World Neurosurg, 97:595-602. [IF=2.685, R=0.772]
34. Andereggen L, Beck J, Z'Graggen WJ, Schroth G, Andres RH, Murek M, Haenggi M, Reinert M, Raabe A, Gralla J. (2017) Feasibility and Safety of Repeat Instant Endovascular Interventions in Patients with Refractory Cerebral Vasospasms. AJNR Am J Neuroradiol, 38(3):561-567. [IF=3.675, R=0.858]
35. Andereggen L, Amin-Hanjani S, El-Koussy M, Verma RK, Yuki K, Schoeni D, Hsieh K, Gralla J, Schroth G, Beck J, Raabe A, Arnold M, Reinert M, Andres RH. (2017) Quantitative magnetic resonance angiography as a potential predictor for cerebral hyperperfusion syndrome: a preliminary study. J Neurosurg, 14:1-9. [IF=3.227, R=0.896]

Case Reports

1. Andres RH, Barth A and Seiler RW. (2004) Infiziertes retroperitoneales Hämatom als ungewöhnliche Ursache eines Fallfusses. Schweiz Arch Neurol Psychiatr 155:60-6.
2. Andres RH, Dubach P, Fandino J and Seiler RW. (2004) Massive Weichteilschwellung nach einem Bagatelltrauma bei einem Patienten mit Neurofibromatose Typ I. Schweiz Med Forum 4:426.
3. Andres RH, Guzman R, Weis J, Schroth G and Barth A. (2007) Aneurysmal occlusion induced by granulomatous reaction after wrapping. Acta Neurochir (Wien) 149(9):953-8. [IF=1.472, R=0.596]
4. Andres RH and Binggeli R. (2008) Ossification of the posterior longitudinal ligament. J Rheumatol 35(3):528-9. [IF=3.854 R=0.652]
5. Andres RH, Schroth G and Remonda L. (2008) Extensive cerebral calcification in a patient with systemic lupus erythematosus. J Neurol Neurosurg Psychiatry 79(4):365. [IF=4.869, R=0.982]
6. Andres RH, Vajtai I, Wiest R and Lukes A. (2008) Eine ungewöhnliche „Diskushernie". Schweiz Med Forum 8(30-31):552-553.
7. Andres RH, Guzman R, Weis J, Fandino J, Brekenfeld C and Seiler RW. (2009) Lhermitte-Duclos disease with atypical vascularization – case report and review of the literature. Clin Neuropathol, 28(2):83-90. [IF=1.037, R=0.206]
8. Andres RH, Pendharkar AV, Kuhlen D, Mariani L. (2010) Ventricular enlargement due to acute hypernatremia in a patient with a ventriculoperitoneal shunt. J Neurosurg, 113(1):82-84. [IF=2.594, R=0.807]
9. Dahlqvist MB, Andres RH, Raabe A, Jakob S, Takkala J, Dunser MW. (2010) Brain Herniation in a Patient with Apparently Normal Intracranial Pressure: A Case Report. J Med Case Reports, 4:297.
10. Vajtai I, Hewer E, Andres RH, Neuenschwander M, Kappeler A, Gugger M. (2011) Meningial perineurioma: A benign peripheral nerve sheath tumor in a previously unrecognized central nervous system location, mimicking meningioma. Pathol Res Pract, 207(9):592-6. [IF=1.258, R=0.307]
11. Andereggen L, Arnold M, Andres RH, Raabe A, Reinert M, Gralla J. (2012) Bow Hunter's Stroke Due to Prominent Degenerative Spinal Disorder. Clin Neuroradiol, 22(4):355-8. [IF=1.091, R=0.241]
12. Andereggen L, Andres RH, Arnold M, Raabe A, Schmidli J, Reinert M. (2015) Two-stage carotid saphenous vein interposition graft and superficial temporal artery bypass for acute carotid occlusion. J Vasc Surg Cases, 316(2):161-164. [IF=2.98, R=0.858]
13. Andereggen L, Vajtai I, Widmer HR, Raabe A, Andres RH. (2015) Rapid recurrence of a benign meningeal perineurioma. World Neurosurg, 1878-8750(15)00708-1. [IF=2.417, R=0.772]
14. Andereggen L, Andres RH. (2017) "Sentinel Seizure" as a Warning Sign Preceding Fatal Rupture of a Giant Middle Cerebral Artery Aneurysm. World Neurosurg, 100:709.e11-709.e13. [IF=2.685, R=0.772]
15. Andereggen L, Bietry D, Andres RH. (2017) Intracranial foreign body in a patient with paranoid schizophrenia: acase report. J Craniofac Surg, in press. [IF=0.676, R=0.178]

Review Articles

1. Andres RH. (2001) Neue Zellen für das Gehirn. UNIPRESS – Forschung und Wissenschaft an der Universität Bern. 111:5-9.
2. Andres RH. (2002) Neue Ansätze zur Behandlung der Parkinson-Krankheit. Ars Medici, Schweizerische Zeitschrift für Hausarztmedizin. 92:428-32.
3. Widmer HR, Ducray AD, Schaller B, Andres RH, Krebs SH, Zihlmann K, Seiler RW. (2004) Wachstumsfaktoren für das Gehirn. UNIPRESS – Forschung und Wissenschaft an der Universität Bern. 120:14-17.
4. Andres RH, Guzman R, Ducray AD, Mordasini P, Gera A, Barth A, Widmer HR and Steinberg GK. (2008) Cell Replacement Therapy for Intracerebral Hemorrhage. Neurosurg Focus 24(3&4);E15:1-10. [IF=2.87, R=0.86]
5. Guzman R, Choi R, Gera A, De Los Angeles A, Andres RH and Steinberg GK. (2008) Intravascular Cell Replacement Therapy for Stroke. Neurosurg Focus 24(3&4);E14:1-10. [IF=2.87, R=0.86]
6. Andres RH, Meyer M, Ducray AD and Widmer HR. (2008) Restorative Neuroscience: Concepts and perspectives. Swiss Med Wkly 138(11-12):155-172. [IF=1.681, R=0.674]
7. Andres RH, Ducray AD, Schlattner U, Wallimann T and Widmer HR. (2008) Functions and effects of creatine in the central nervous system. Brain Res Bull 76(4);329-343. [IF=2.184, R=0.357]
8. Andres RH, Remonda L, Do DD, Spreng A, Reinert M, Schroth G. (2008) Diagnosis and Treatment of Carotid Cavernous Fistulas. RoFo Fortschr Rontg, 180(7):604-13. [IF2.025=, R=0.592]
9. Andres RH, Choi R, Steinberg GK, Guzman R. (2008) Potential of adult neural stem cells in stroke therapy. Regen Med 3(6):893-905. [IF=2.929, R=0.814]
10. Choi R, Andres RH, Steinberg GK, Guzman R. (2009) Intraoperative hypothermia during vascular neurosurgical procedures. Neurosurg Focus 26(5):E24. [IF=2.87, R=0.86]
11. Bliss TM, Andres RH, Steinberg GK. (2009) Optimizing the Success of Cell Transplantation Therapy for Stroke. Neurobiol Dis 37(2):275-283. [IF=4.518, R=0.800]

Book Chapters

1. Andres RH. (2002) Neue Ansätze zur Behandlung der Parkinson-Krankheit. Ars Medici Dossier Neurologie XII, 21-25, Schwabe Verlag, Basel.
2. Reinert M, Wiest R, Barth L, Andres RH, Ozdoba C and Seiler RW. (2004) Transdermal nitroglycerin in patients with subarachnoid hemorrhage. Macdonald RL et al (Eds.), Cerebral Vasospasm, Thieme Medical Publishers, New York, ISBN 3131400617.
3. Wallimann T, Tokarska-Schlattner M, Neumann D, Epand RM, Epand RF, Andres RH, Widmer HR, Saks V, Agarkova I, and Schlattner U. (2007) Phospho-Creatine Circuit: Molecular and cellular physiology of creatine kinases, sensitivity to free radicals and enhancement by creatine supplementation. Saks V (Ed.), Molecular Systems Bioenergetics: Energy for Life, Wiley-VCH, Weinheim, ISBN: 3-527-31787-2.
4. Andres RH, Guzman R, Barth A, El-Koussy M, Pendharkar AV, Schroth G. (2009) Vascular Lesions of the Spinal Cord. Handbook of Spinal Cord Injuries: Types, Treatment and Prognosis, Nova Publishers, New York, ISBN 978-1-60876-002-2.
5. Andres RH. (2012) Further Aspects on Intravascular Stem Cell Therapy for Stroke. Mattle HP Brainin M, Chamorro A, Diener HD, Hacke W, Leys D, Norrving B, Ward N. European Stroke Science Workshop. Cerebrovasc Dis 2012;34:95-1056.
6. Dahdal S, Andres RH, Hewer E, Reubi JC, Klaeser B, Aujesky D, Seidel U, Abbeel S, Schmid R, Tänzler K, Aebersold DM, Krause T, Schmuecking M. (2012) A rare case of a large spinal meningioma with mediastinal extension and malignant behaviour, classified histologically as benign. Baum RP, Rösch F (Eds.), Theranostics, Gallium-68, and Other Radionuclides. A Pathway to Personalized Diagnosis and Treatment. Series: Recent Results in Cancer Research, Vol. 194:443-55, ISBN 978-3-642-27993-5.
7. Andres RH. (2012) Further Aspects on Intravascular Stem Cell Therapy for Stroke. Mattle HP Brainin M, Chamorro A, Diener HD, Hacke W, Leys D, Norrving B, Ward N. European Stroke Science Workshop. Stroke, 2012;43:2258-2265.

Accréditation

Privatklinik Siloah

Spécialités

Neurochirurgie

Chirurgie de la colonne vertébrale/du rachis

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