

Prof. Dr. med. Stephan G. Wetzel – List of publications

Peer reviewed articles:

1. C.M. Hohl, **S. Wetzel**, R.H. Fertel, D.K. Wimsatt, G.P. Brierley, R.A. Altschuld. Hyperthyroid adult rat cardiomyocytes. I. Nucleotid content, beta- and alpha-adrenoceptors, and cAMP production. Am J Physiol. (Cell Physiol) 1989 Nov;257(5 Pt 1):C948-56.
2. **S. Wetzel**, A. Helwig, J. Metzger. Pseudotumoröse Kalzinose bei Niereninsuffizienz. Aktuelle Radiol. 1995 Sep;5(5):323-4.
3. K.W. Stock, **S. Wetzel**, E. Kirsch, G. Bongartz, W. Steinbrich, E.W. Radue. Anatomic evaluation of the circle of Willis: MR angiography versus intraarterial digital subtraction angiography. AJNR Am J Neuroradiol. 1996 Sep;17(8):1495-9.
4. C. Oursin, **S. Wetzel**. Synoviale Chondromatose der Hand. MR-Bildgebung. Rofo. 1996 Oct;165(4):421-3.
5. **S. Wetzel**, E. Kirsch, K.W. Stock, M. Kolbe, A. Kaim, E.W. Radue. Cerebral veins: comparative study of CT venography with intraarterial digital subtraction angiography. AJNR Am J Neuroradiol. 1999 Feb;20(2):249-55.
6. A. Reber, **S. Wetzel**, K. Schnabel, G. Bongartz, F.J. Frei. Effect of combined mouth closure and chin lift on upper airway dimensions during routine magnetic resonance imaging in pediatric patients sedated with propofol. Anesthesiology. 1999 Jun;90(6):1617-23.
7. S. Huber, L. Kappos, P. Fuhr, **S. Wetzel**, A.J. Steck. Combined acute disseminated encephalomyelitis (ADEM) and acute motor axonal neuropathy (AMAN) after vaccination for Hepatitis A and infection with Campylobacter jejuni. J Neurol. 1999 Dec;246(12):1204-6.
8. C. Oursin, **S. Wetzel**, P. Lyrer, H. Baechli, K.W. Stock. Ruptured intracranial dermoid cyst. Journal Neurosurgical Sciences. 1999 43(3):217-20; discussion:220-221.
9. D. Bilecen, E. Seifritz, E.W. Radue, N. Schmid, **S. Wetzel**, R. Probst, K. Scheffler. Cortical reorganization after acute unilateral hearing loss traced by fMRI. Neurology. 2000 Feb 8;54(3):765-7.
10. **S. Wetzel**, D. Bilicen, P. Lyrer, G. Bongartz, E.W. Radue, K. Scheffler. Cerebral dural arteriovenous fistulas: detection by dynamic MR-projection angiography. AJR Am J Roentgenol. 2000 May;174(5):1293-5.

11. E. Seifritz, D. Bilicen, D. Hänggi D, E.W. Radue, **S. Wetzel**, J. Seelig, K. Scheffler. Effect of ethanol on BOLD response to acoustic stimulation: implications for neuropharmacological fMRI. *Psychiatry Res.* 2000 Jul 10;99(1):1-13.
12. K.W. Stock, **S.G. Wetzel**, P.A. Lyrer, E.W. Radü. Quantification of blood flow in the middle cerebral artery with phase-contrast MR imaging. *Eur Radiol.* 2000;10(11):1795-800.
13. **S. Wetzel**, R. Hasselhorst, D. Bilecen, P.A. Lyrer, E. Seifritz, G. Bongartz, E.W. Radue, K. Scheffler. Preliminary experience with dynamic MR-projection angiography in the evaluation of cervicocranial steno-occlusive disease. *Eur Radiol.* 2001;11(2):295-302.
14. **S.G. Wetzel**, V.S. Lee, A.G.S. Tan, O. Heid, S. Cha, G. Johnson, N.M. Rofsky. Real-time interactive duplex MR measurements: application in neurovascular imaging. *AJR Am J Roentgenol.* 2001 Sep;177(3):703-7.
15. W. Wiesner, **S.G. Wetzel**, M.M. Hoshi, U. Witte, W. Steinbrich, L. Kappos. Swallowing abnormalities in multiple sclerosis: correlation between videofluoroscopy and subjective symptoms. *Eur Radiol.* 2002 Apr;12(4):789-92.
16. S. Yang, **S. Wetzel**, M. Law, D. Zagzag, S. Cha. Dynamic contrast-enhanced T2*-weighted MR imaging of gliomatosis cerebri. *AJNR Am J Neuroradiol.* 2002 Mar;23(3):350-5.
17. **S.G. Wetzel**, G. Johnson, A.G.S. Tan, S. Cha, E.A. Knopp, V.S. Lee, D. Thomasson, N.M. Rofsky. Three-dimensional, T1-weighted gradient-echo imaging of the brain with a volumetric interpolated examination. *AJNR Am J Neuroradiol.* 2002 Jun-Jul;23(6):995-1002.
18. **S.G. Wetzel**, S. Cha, G. Johnson, P. Lee, M. Law, D. Kasow, S. Pierce, X. Xue. Relative cerebral blood volume measurements in intracranial mass lesions: interobserver and intraobserver reproducibility study. *Radiology.* 2002 Sep;224(3):797-803.
19. **S.G. Wetzel**, J.B. Martin, T. Somon, D. Ruefenacht. Painful osteolytic metastasis of the atlas: treatment with percutaneous vertebroplasty. *Spine.* 2002 Nov 15;27(22):E493-5.
20. **S.G. Wetzel**, S. Cha, M. Law, G. Johnson, J. Golfinos, P. Lee, P.K. Nelson. Preoperative assessment of intracranial tumors with perfusion MR and a volumetric interpolated examination: a comparative study with DSA. *AJNR Am J Neuroradiol.* 2002 Nov-Dec;23(10):1767-74.
21. A. Medizadeh, T. Somon, **S. Wetzel**, A. Kelekis, J.B. Martin, R. Stajzel, K.O. Lovblad, D.A. Ruefenacht, J. Delavelle.

Diffusion weighted MR imaging on a low-field open magnet: comparison with findings at 1.5 T in 18 patients with cerebral ischemia
Journal of Neuroradiology 2003 30:25-30.

22. **S.G. Wetzel**, M. Law, V.S. Lee, S. Cha, G. Johnson, P.K. Nelson.
Imaging of the intracranial venous system with a contrast-enhanced volumetric interpolated examination.
Eur Radiol. 2003 May;13(5):1010-8.

23. A.D. Kelekis , J.B. Martin, T. Somon, **S.G. Wetzel**, P.Y. Dietrich, D.A. Ruefenacht.
Radicular pain after vertebroplasty: compression or irritation of the nerve root? Initial experience with the "Cooling System".
Spine. 2003 Jul 15;28(14):E265-9.

24. J.B. Martin, **S.G. Wetzel**, Y. Seium, P.Y. Dietrich, T. Somon, P. Gailloud, M. Payer, A. Kelekis, D. A. Ruefenacht.
Percutaneous vertebroplasty in metastatic disease: transpedicular access and treatment of lysed pedicles--initial experience.
Radiology. 2003 Nov;229(2):593-7.

25. Somon T,, Delavelle J, Kelekis A , **Wetzel S**, Mehdizade A, Martin JB, Stajzel R, Lovblad KO, Ruefenacht DA:
Diffusion weighted MR imaging on a low-field open magnet in stroke : evaluation in a consecutive serie of 60 patients.
Rivista di Neuroradiologia. 2003 16:1005-8.

26. S.T. Engelter, **S. Wetzel**, E.W. Radu, M. Rausch, A.J. Steck, P.A. Lyrer.
The clinical significance of diffusion-weighted MR imaging in infratentorial strokes.
Neurology. 2004 Feb 24;62(4):574-80.

27. K.O. Lövblad, **S.G. Wetzel**, A. Mehdizade, T. Somon, K. Wilhelm, A. Kelekis, M. El-Koussy, S. Perrig, F. Lazeyras, D. Rufenacht, J. Delavelle.
Diffusion-weighted MRI in cortical ischemia.
Neuroradiology. 2004 Mar;46(3):175-82.

28. A. Mehdizade , K.O. Lovblad, K.E. Wilhelm, T. Somon , **S. G.Wetzel**, A.D. Kelekis, H. Yilmaz, G. Abdo, J.B. Martin, J.M. Viera, D.A. Rufenacht.
Radiation dose in vertebroplasty.
Neuroradiology. 2004 Mar;46(3):243-5.

29. K.O. Lovblad, J. Delavelle , **S. Wetzel**, A.D. Kelekis , F. Assal , M. Palmesino, G. Gold, H. Yilmaz, D. San Millan Ruiz X, F. Lazeyras, A. Mehdizade A, D.A. Rufenacht.
ADC mapping of the aging frontal lobes in mild cognitive impairment.
Neuroradiology. 2004 Apr;46(4):282-6.

30. G. Johnson, **S.G. Wetzel**, S. Cha, J. Babb, P.S. Tofts.
Measuring blood volume and vascular transfer constant from dynamic, T(2)*-weighted contrast-enhanced MRI.
Magn Reson Med. 2004 May;51(5):961-8.

31. M. Law, D.E. Meltzer, **S.G. Wetzel**, S Yang, E.A. Knopp, J. Golfinos, G. Johnson. Conventional MR imaging with simultaneous measurements of cerebral blood volume and vascular permeability in Ganglioglioma. Magn Reson Imaging. 2004 Jun;22(5):599-606.
32. A. Handa, G. Abdo, H. Yilmaz, **S.G. Wetzel**, , K.O. Loevblad, P. Bijlenga, N De Tribolet, D.A. Rufenacht. Double-lumen balloon microcatheter-assisted occlusion of cerebral vessels with coils: a technical note. Neuroradiology. 2004 Jul;46(7):577-82.
33. M. Law, K. Kazmi, **S. Wetzel**, E. Wang, C. Iacob, D. Zagzag, J.G. Golfinos, G. Johnson. Dynamic susceptibility contrast-enhanced perfusion and conventional MR imaging findings for adult patients with cerebral primitive neuroectodermal tumors. AJNR Am J Neuroradiol. 2004 Jun-Jul;25(6):997-1005.
34. A. Mehdizade, M. Payer, T. Somon, K. Willhelm, A. Kelekis, **S. Wetzel**, M. Palmesino, K.O. Lovblad, D.A. Rufenacht, J.B. Martin. Percutaneous vertebroplasty through a trans-discal access route after lumbar transpedicular instrumentation. Spine J. 2004 Jul-Aug;4(4):475-9.
35. A. Kelekis, K.O. Lovblad, A. Mehdizade, T. Somon, H. Yilmaz, **S.G. Wetzel**, Y. Seium, P.Y. Dietrich, D.A. Rufenacht, J.B. Martin. Pelvic osteoplasty in osteolytic metastases: technical approach under fluoroscopic guidance and early clinical results. J Vasc Interv Radiol. 2005 Jan;16(1):81-8.
36. M. Sollberger, P. Lyrer, T. Baumann, E.W. Radu, A.J. Steck, **S.G. Wetzel**. Isolated bilateral abducent nerve palsy due to a spontaneous left-side dural carotid cavernous fistula Type Barrow C. J Neurol. 2005 Mar;252(3):372-3.
37. S. Meckel, K.O. Loevblad, A. German, D. San Millan Ruiz, J. Delavelle, E.W. Radue, D.A. Rufenacht, **S.G. Wetzel**. Arterialization of cerebral veins on dynamic multi-array helical CT angiography: a possible sign for a dural arteriovenous malformation. AJR Am J Roentgenol. 2005 Apr;184(4):1313-6.
38. C.A. Taschner, E.C. Kirsch, K. Scheffler, **S.G. Wetzel**, J. Schulte-Mönting, L. Kappos, E.W. Radü. Optimizing brain MRI protocols in the follow-up of patients with multiple sclerosis T2-weighted MRI of the brain after the administration of gadopentetate dimeglumine. Magn Reson Imaging. 2005 Apr;23(3):469-74.
39. L.H. Bonati, P.A. Lyrer, **S.G. Wetzel**, A.J. Steck, S.T. Engelter. Diffusion weighted imaging, apparent diffusion coefficient maps and stroke etiology. J Neurol. 2005 Nov;252(11):1387-93.

40. **S.G. Wetzel**, M. Ohta, A. Handa, J. Auer, P. Lylyk, K.O. Lovblad, D. Babic, D.A. Rufenacht.
From patient to model: stereolithographic modeling of the cerebral vasculature based on rotational angiography.
AJNR Am J Neuroradiol. 2005 Jun-Jul;26(6):1425-7.
41. M. Payer, **S. Wetzel**, A. Kelekis, B. Jenny.
Traumatic vertical atlantoaxial dislocation.
J Clin Neurosci. 2005 Aug;12(6):704-6.
42. R.W. Huegeli, S. Schaeren, A.L. Jacob, J.B. Martin, **S.G. Wetzel**.
Percutaneous cervical vertebroplasty in a multifunctional image-guided therapy suite: hybrid lateral approach to C1 and C4 under CT and fluoroscopic guidance.
Cardiovasc Intervent Radiol. 2005 Sep-Oct;28(5):649-52.
43. M. Ohta, **S.G. Wetzel**, P. Dantan, C. Bachelet, K.O. Loevblad, H. Yilmaz, P. Flaud, D.A. Rufenacht.
Rheological changes after stenting of a cerebral aneurysm: a finite element modeling approach.
Cardiovasc Intervent Radiol. 2005 Nov-Dec;28(6):768-72.
44. C.A. Taschner, **S.G. Wetzel**, M. Tolnay, J. Frölich, A. Merlo, E.W. Radue.
Characteristics of ultrasmall superparamagnetic iron oxides in patients with brain tumors.
AJR Am J Roentgenol. 2005 Dec;185(6):1477-86.
45. S. Meckel, R. Mekle, C. Taschner, S. Haller, K. Scheffler, E.W. Radue, **S.G. Wetzel**.
Time-resolved 3D contrast-enhanced MRA with GRAPPA on a 1.5 T system for imaging of craniocervical vascular disease: initial experience.
Neuroradiology. 2006 May;48(5):291-9.
46. R. Mekle, E.X. Wu, S. Meckel, **S.G. Wetzel**, K. Scheffler.
Combo acquisitions: balancing scan time reduction and image quality.
Magn Reson Med. 2006 May;55(5):1093-105.
47. S. Haller, M.D.T. Winkler, C. Gobbi, Ph. Lyrer, **S.G. Wetzel**, A.J. Steck.
Prominent activation of the putamen during essential palatal tremor. An fMRI case study
AJNR Am J Neuroradiol. 2006 Jun-Jul;27(6):1272-4.
48. R. Hodek-Wuerz, J.B. Martin, K. Wilhelm, A. Kelekis, K. Loevblad, D. Babic, D.A. Rufenacht, **S.G. Wetzel**.
Percutaneous vertebroplasty: preliminary experiences with rotational acquisitions and 3D reconstructions for therapy control.
Cardiovasc Intervent Radiol. 2006 Sep-Oct;29(5):862-5.
49. L.H. Bonati, A. Kessel-Schaefer, A.Z. Linka, P. Buser, P. **S.G. Wetzel**, E.W. Radue, P.A. Lyrer, S.T. Engelter.
Diffusion-weighted imaging in stroke attributable to patent foramen ovale: significance of concomitant atrial septum aneurysm.
Stroke. 2006 Aug;37(8):2030-4.

50. S. Haller, **S. Wetzel**, E.W. Radue, D. Bilecen.
Mapping continuous neuronal activation without ON-OFF paradigm: initial results of BOLD ceiling fMRI.
Eur J Neurosci. 2006 Nov;24(9):2672-8.
51. **S. Wetzel**, S. Meckel, A. Frydrychowicz, L. Bonati, E.W. Radue, K. Scheffler, J. Hennig, M. Markl.
In vivo assessment and visualization of intracranial arterial hemodynamics with flow-sensitized 4D MR imaging at 3T.
AJNR Am J Neuroradiol. 2007 Mar;28(3):433-8.
52. S. Meckel, M. Maier, D. San-Millan Ruiz, H. Yilmaz, K. Scheffler, E.W. Radue, **S.G. Wetzel**.
MR angiography of dural arteriovenous fistulas: diagnosis and follow-up after treatment using a time-resolved 3D contrast-enhanced technique.
AJNR Am J Neuroradiol. 2007 May;28(5):877-84.
53. S. Kos, **S.G. Wetzel**, H.W. Ott.
Extrakranielle Ausbreitung eines Glioblastoms: MRT und MR-Perfusion.
Rofo. 2007 Nov;179(11):1200-1.
54. J. Wermuth, S. Meckel, **S.G. Wetzel**, R. Bingisser.
A rare cause of acute dyspnea in the emergency department: pulmonary cement embolism.
Israeli Journal of Emergency Medicine. 2007 3:34-8
55. S. Meckel, T. Glucker, M. Kretschmar, K. Scheffler, E.W. Radu, **S.G. Wetzel**.
Display of dural sinuses with time-resolved, contrast-enhanced three-dimensional MR venography.
Cerebrovasc Dis. 2008;25(3):217-24.
56. S. Haller, **S.G. Wetzel**, J. Lüschg.
Functional MRI, DTI and neurophysiology in horizontal gaze palsy with progressive scoliosis.
Neuroradiology. 2008 Jan 24; [Epub ahead of print]
57. R. Sutter, S. Renaud, L. Bonati, P. Lyrer, M. Tolnay, **S. Wetzel**, S. Rüegg, S. Engelter.
Bilateral vertebral giant cell arteritis - favourable outcome in two cases.
J Neurol. 2008 Jan;255(1):133-4.
58. L. Bonati, **S.G. Wetzel**, J. Gandjour, R.W. Baumgartner, P.A. Lyrer, S.T. Engelter.
Diffusion weighted imaging in stroke attributable to internal carotid artery dissection: the significance of vessel patency.
Stroke. 2008 Feb; 39(2):483-485.
59. S. Meckel, A.F. Stalder, F. Santini, E.W. Radü, D.A. Rufenacht, M. Markl, **S. Wetzel**.
In-vivo visualization and analysis of 3D hemodynamics in cerebral aneurysms with flow-sensitized 4D MR imaging at 3T.
Neuroradiology. 2008 Jun;50(6):473-84.

60. F. Santini, S. Patil, S. Meckel, K. Scheffler, **S.G. Wetzel**.
Double reference cross-correlation algorithm for separation of the arteries and veins from 3D MRA time series.
J Magn Reson Imaging. 2008 Sep;28(3):646-54.
61. S. Haller, L.H. Bonati, J. Rick, M. Klarhöfer, O. Speck, P.A. Lyrer, D. Bilecen, S. Engelter, **S.G. Wetzel**.
Reduced cerebral vascular reserve (CVR) in CO₂ BOLD MRI is associated with increased risk of peri-interventional ischemic lesions during carotid endarterectomy or stenting: preliminary results.
Radiology. 2008 Oct;249(1):251-8.
62. D.T. Winkler, S. Ruegg, P. Fuhr, **S.G. Wetzel**, P. Lyrer, S.T. Engelter.
Thrombolysis in stroke mimics – frequency, clinical presentation and outcome.
Stroke. 2009 Apr; 40(4):1522-1525.
63. A.M. Palmowski-Wolfe, C. Kober, I. Berg, C. Kunz, **S. Wetzel**, C. Buitrago-Téllez, E.W. Radü, K. Scheffler.
Globe restriction in a severely myopic patient visualized through oculodynamic magnetic resonance imaging (od-MRI).
J AAPOS. 2009 Jun;13(3):322-324.
64. W.J. Schonewille, C.A. Wijman, P. Michel, C.M. Rueckert, C. Weimar, H.P. Mattle, S.T. Engelter, D. Tanne, K.W. Muir, C.A. Molina, V. Thijs, H. Audebert, T. Pfefferkorn, K. Szabo, P.J. Lindsberg, G. de Freitas, L.J. Kappelle, A. Algra; on behalf of the BASICS study group (**S.G. Wetzel** member of study group for Switzerland)
Treatment and outcomes of acute basilar artery occlusion in the Basilar Artery International Cooperation Study (BASICS): a prospective registry study.
Lancet Neurol. 2009 Aug;8(8):724-730.
65. F. Santini, **S.G. Wetzel**, J. Bock, M. Markl, K. Scheffler.
Time-resolved three-dimensional (3D) phase-contrast (PC) balanced steady-state free precession (bSSFP).
Magn Reson Med, 2009 Oct;62(4):966-974
66. B. Habermeyer, M. Herdener, F. Esposito, C. Hilti, M. Klarhöfer, F. di Salle, **S. Wetzel**, K. Scheffler, K. Cattapan-Ludewig, E. Seifritz
Neural correlates of pre-attentive processing of pattern deviance in professional musicians.
Hum Brain Mapp. 2009 Nov;30(11):3736-47.
67. M. Herdener, F. Esposito, F. di Salle, C. Boller, C.C. Hilti, B. Habermeyer, K. Scheffler, **S.G. Wetzel**, E. Seifritz, K. Cattapan-Ludewig
Musical training induces functional plasticity in human hippocampus.
J Neurosci. 2010 Jan 27;30(4):1377-84.
68. L.H. Bonati, **S.G. Wetzel**, A. Kessel-Schaefer, P. Buser, P.A. Lyrer, S.T. Engelter.
Diffusion-weighted imaging findings differ between stroke attributable to spontaneous cervical artery dissection and patent foramen ovale.
Eur J Neurol. 2010 Feb;17(2):307-13.

69. A.M. Palmowski-Wolfe, I. Berg, **S.G. Wetzel**, C. Kunz, E.W. Radü, K. Scheffler, C. Buitrago-Téllez, C. Kober.
Bilateral VI nerve injury.
Ophthalmology. 2010 Feb;117(2):398.e1-2.
70. S. Meckel, C. Reisinger, J. Bremerich, D. Damm, M. Wolbers, S. Engelter, K. Scheffler, **S.G. Wetzel**.
Cerebral venous thrombosis: diagnostic accuracy of combined, dynamic and static, contrast-enhanced 4D MR venography.
AJNR Am J Neuroradiol. 2010 Mar;31(3):527-35.
71. International Carotid Stenting Study investigators, J. Ederle, J. Dobson, R.L. Featherstone, L.H. Bonati, H.B. van der Worp, G.J. de Borst, T.H. Lo, P. Gaines, P.J. Dorman, S. Macdonald, P.A. Lyrer, J.M. Hendriks, C. McCollum, P.J. Nederkoorn, M.M. Brown.
Carotid artery stenting compared with endarterectomy in patients with symptomatic carotid stenosis (International Carotid Stenting Study): an interim analysis of a randomised controlled trial. (**S.G. Wetzel** responsible neuroradiologist for Basel/CH)
Lancet. 2010 Mar 20;375(9719):985-97.
72. L.H. Bonati, L.M. Jongen, S. Haller, H.Z. Flach, J. Dobson, P.J. Nederkoorn, S. Macdonald, P.A. Gaines, A. Waaijer, P. Stierli, H.R. Jäger, P.A. Lyrer, L.J. Kappelle, **S.G. Wetzel**, A. van der Lugt, W.P. Mali, M.M. Brown, H.B. van der Worp, S.T. Engelter; ICSS-MRI study group.
New ischaemic brain lesions on MRI after stenting or endarterectomy for symptomatic carotid stenosis: a substudy of the International Carotid Stenting Study (ICSS).
Lancet Neurol. 2010 Apr;9(4):353-62.
73. M. Garcia, M. Gloor, **S.G. Wetzel**, E.W. Radue, K. Scheffler, O. Bieri.
Characterization of normal appearing brain structures using high-resolution quantitative magnetization transfer steady-state free precession imaging.
Neuroimage. 2010 Aug 15;52(2):532-7.
74. Z. Kulcsár, U. Ernemann, **S.G. Wetzel**, A. Bock, S. Goericke, V. Panagiotopoulos, M. Forsting, D.A. Ruefenacht, I. Wanke.
High-profile flow diverter (silk) implantation in the basilar artery: efficacy in the treatment of aneurysms and the role of the perforators.
Stroke. 2010 Aug;41(8):1690-6.
75. Z. Kulcsár, **S.G. Wetzel**, L. Augsburger, A. Gruber, I. Wanke, D.A. Rüfenacht.
Effect of Flow Diversion Treatment on Very Small Ruptured Aneurysms.
Neurosurgery. 2010 Sep;67(3):789-93.
76. Arnold M, Fischer U, Compter A, Gralla J, Findling O, Mattle HP, Kappelle LJ, Tanne D, Algra A, Schonewille WJ; BASICS Study Group.
Acute basilar artery occlusion in the Basilar Artery International Cooperation Study: does gender matter?
Stroke. 2010 Nov;41(11):2693-6.

77. P.K. Nelson, P. Lylyk, I. Szikora, **S.G. Wetzel**, I. Wanke, D. Fiorella.
The Pipeline embolization device for the intracranial treatment of aneurysms trial.
AJNR Am J Neuroradiol. 2011 Jan;32(1):34-40.
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Quantification of fat infiltration in oculopharyngeal muscular dystrophy: comparison of three MR imaging methods.
J Magn Reson Imaging. 2011 Jan;33(1):203-10.
79. M. Garcia, M. Gloor, O. Bieri, **S.G. Wetzel**, E.W. Radue, K. Scheffler.
MTR variations in normal adult brain structures using balanced steady-state free precession.
Neuroradiology. 2011 Mar;53(3):159-67
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Lobar dementia due to extreme widening of Virchow-Robin Spaces in one hemisphere.
Case Rep Neurol. 2011 May;3(2):136-40.
81. Fischmann A, Gloor M, Fasler S, Haas T, Rodoni Wetzel R, Bieri O, **Wetzel S**, Heinimann K, Scheffler K, Fischer D.
Muscular involvement assessed by MRI correlates to motor function measurement values in oculopharyngeal muscular dystrophy.
J Neurol. 2011 Jul;258(7):1333-40.
82. Schubert T, Santini F, Stalder AF, Bock J, Meckel S, Bonati L, Markl M, **Wetzel S**.
Dampening of Blood-Flow Pulsatility along the Carotid Siphon: Does Form Follow Function?
AJNR Am J Neuroradiol. 2011 Jun-Jul;32(6):1107-12.
83. Fluri F, Jax F, Amort M, **Wetzel SG**, Lyrer PA, Katan M, Hatz F, Engelter ST.
Significance of microbleeds in patients with transient ischaemic attack.
Eur J Neurol. 2012 Mar;19(3):522-4. doi: 10.1111/j.1468-1331.2011.03522.x. Epub 2011 Sep 27.
84. Puetz V, Khomenko A, Hill MD, Dzialowski I, Michel P, Weimar C, Wijman CA, Mattle HP, Engelter ST, Muir KW, Pfefferkorn T, Tanne D, Szabo K, Kappelle LJ, Algra A, von Kummer R, Demchuk AM, Schonewille WJ; Basilar Artery International Cooperation Study (BASICS) Group.
Extent of hypoattenuation on CT angiography source images in basilar artery occlusion prognostic value in the Basilar Artery International Cooperation Study.
Stroke. 2011 Dec;42(12):3454-9. Epub 2011 Sep 29.
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Update on the third international stroke trial (IST-3) of thrombolysis for acute ischaemic stroke and baseline features of the 3035 patients recruited.
Trials. 2011 Nov 30;12:252.

86. Engelter ST, Amort M, Jax F, Weisskopf F, Katan M, Burow A, Bonati LH, Hatz F, **Wetzel SG**, Fluri F, Lyrer PA.
Optimizing the risk estimation after a transient ischaemic attack - the ABCDE+ score.
Eur J Neurol. 2012 Jan;19(1):55-61.
87. Garcia M, Gloor M, Radue EW, Stippich C, **Wetzel SG**, Scheffler K, Bieri O.
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