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Cheers,
Johanna

Recent publications June 2012, (e-publications might have been earlier):

Content:

Animal studies	2
Pharmacological / Drug studies.....	2
Perfusion studies other than on the brain	3
Cerebral blood flow studies.....	3
Studies on special diseases	3
Comparison of ASL Techniques or ASL compared with other imaging methods	4
Functional Imaging / BOLD	5
Physiological Parameters beside CBF.....	5
Technical Improvement/ Parameter Optimisation/ Theoretical Papers	5
Job offerings.....	6
Feature articles.....	6

Animal studies

[Absolute cerebral blood flow quantification with pulsed arterial spin labeling during hyperoxia corrected with the simultaneous measurement of the longitudinal relaxation time of arterial blood.](#)

Pilkinton DT, Hiraki T, Detre JA, Greenberg JH, Reddy R.

Magn Reson Med. 2012 Jun;67(6):1556-65. doi: 10.1002/mrm.23137. Epub 2011 Aug 29.

[Imaging trait anxiety in high anxiety F344 rats: Focus on the dorsomedial prefrontal cortex.](#)

Prinssen EP, Nicolas LB, Klein S, Grundschober C, Lopez-Lopez C, Keßler MS, Bruns A, von Kienlin M, Wettstein JG, Moreau JL, Risterucci C.

Eur Neuropsychopharmacol. 2012 Jun;22(6):441-51. Epub 2011 Dec 6.

[Noninvasive MRI measurement of CBF: evaluating an arterial spin labelling sequence with \(99m\)Tc-HMPAO CBF autoradiography in a rat stroke model.](#)

Baskerville TA, McCabe C, Weir CJ, Macrae IM, Holmes WM.

J Cereb Blood Flow Metab. 2012 Jun;32(6):973-7. doi: 10.1038/jcbfm.2012.19. Epub 2012 Apr 4.

[Robust method for 3D arterial spin labeling in mice.](#)

Chugh BP, Bishop J, Zhou YQ, Wu J, Henkelman RM, Sled JG.

Magn Reson Med. 2012 Jul;68(1):98-106. doi: 10.1002/mrm.23209. Epub 2011 Nov 18.

[The serial effect of iodinated contrast media on renal hemodynamics and oxygenation as evaluated by ASL and BOLD MRI.](#)

Zhang Y, Wang J, Yang X, Wang X, Zhang J, Fang J, Jiang X.

Contrast Media Mol Imaging. 2012 Jul;7(4):418-25. doi: 10.1002/cmml.1468.

Pharmacological / Drug studies

[Effect of paroxetine and bupropion on human resting brain perfusion: An arterial spin labeling study.](#)

Viviani R, Abler B, Seeringer A, Stingl JC.

Neuroimage. 2012 Jul 16;61(4):773-9. Epub 2012 Mar 13.

[Resting state abnormalities in psychosis compared to acute cannabinoids and opioids challenges: A systematic review of functional imaging studies.](#)

Denier N, Walter M, Bendfeldt K, Lang U, Borgwardt S.

Curr Pharm Des. 2012 Jun 6. [Epub ahead of print]

[Using Arterial Spin Labeling Perfusion MRI to Explore How Midazolam Produces Anterograde Amnesia.](#)

Liang P, Manelis A, Liu X, Aizenstein HJ, Gyulai F, Quinlan JJ, Reder LM.

Neurosci Lett. 2012 Jun 15. [Epub ahead of print]

Perfusion studies other than on the brain

[Blood Flow MRI of the Human Retina/Choroid during Rest and Isometric Exercise.](#)

Zhang Y, San Emeterio Nateras O, Peng Q, Rosende CA, Duong TQ.

Invest Ophthalmol Vis Sci. 2012 Jun 1. [Epub ahead of print]

[Feasibility of measurement of prostate perfusion with arterial spin labeling.](#)

Li X, Metzger GJ.

NMR Biomed. 2012 Jun 7. doi: 10.1002/nbm.2818. [Epub ahead of print]

[The serial effect of iodinated contrast media on renal hemodynamics and oxygenation as evaluated by ASL and BOLD MRI.](#)

Zhang Y, Wang J, Yang X, Wang X, Zhang J, Fang J, Jiang X.

Contrast Media Mol Imaging. 2012 Jul;7(4):418-25. doi: 10.1002/cmimi.1468.

Cerebral blood flow studies

[Arterial spin-labeling in routine clinical practice: a preliminary experience of 200 cases and correlation with MRI and clinical findings.](#)

Chen TY, Chiu L, Wu TC, Wu TC, Lin CJ, Wu SC, Tsui YK.

Clin Imaging. 2012 Jul;36(4):345-52. Epub 2012 Jun 8.

Studies on special diseases

[Arterial Spin-Labeling Magnetic Resonance Imaging after Revascularization of Moyamoya Disease.](#)

Sugino T, Mikami T, Miyata K, Suzuki K, Houkin K, Mikuni N.

J Stroke Cerebrovasc Dis. 2012 Jun 19. [Epub ahead of print]

[Automated perfusion imaging for the evaluation of transient ischemic attack.](#)

Kleinman JT, Zaharchuk G, Mlynash M, Ogdie AA, Straka M, Lansberg MG, Schwartz NE, Kemp S, Bammer R, Albers GW, Olivot JM.

Stroke. 2012 Jun;43(6):1556-60. Epub 2012 Apr 3.

[CBF measurements using multidelay pseudocontinuous and velocity-selective arterial spin labeling in patients with long arterial transit delays: Comparison with xenon CT CBF.](#)

Qiu D, Straka M, Zun Z, Bammer R, Moseley ME, Zaharchuk G.

J Magn Reson Imaging. 2012 Jul;36(1):110-9. doi: 10.1002/jmri.23613. Epub 2012 Feb 22.

[Detection of symptomatic vasospasm after subarachnoid haemorrhage: initial findings from single time-point and serial measurements with arterial spin labelling.](#)

Aoyama K, Fushimi Y, Okada T, Miyasaki A, Taki H, Shibamoto K, Togashi K.

Eur Radiol. 2012 Jun 1. [Epub ahead of print]

[Ictal focal hyperperfusion demonstrated by arterial spin-labeling perfusion MRI in partial epilepsy status.](#)

Oishi M, Ishida G, Morii K, Hasegawa K, Sato M, Fujii Y.
Neuroradiology. 2012 Jun;54(6):653-6. Epub 2012 Mar 16. No abstract available.

[Regional and Voxel-Wise Comparisons of Blood Flow Measurements Between Dynamic Susceptibility Contrast Magnetic Resonance Imaging \(DSC-MRI\) and Arterial Spin Labeling \(ASL\) in Brain Tumors.](#)

White CM, Pope WB, Zaw T, Qiao J, Naeini KM, Lai A, Nghiemphu PL, Wang JJ, Cloughesy TF, Ellingson BM.
J Neuroimaging. 2012 Jun 5. doi: 10.1111/j.1552-6569.2012.00703.x. [Epub ahead of print]

[Visual cortex in dementia with Lewy bodies: magnetic resonance imaging study.](#)

Taylor JP, Firbank MJ, He J, Barnett N, Pearce S, Livingstone A, Vuong Q, McKeith IG, O'Brien JT.
Br J Psychiatry. 2012 Jun;200:491-8. Epub 2012 Apr 12.

Comparison of ASL Techniques or ASL compared with other imaging methods

[CBF measurements using multidelay pseudocontinuous and velocity-selective arterial spin labeling in patients with long arterial transit delays: Comparison with xenon CT CBF.](#)

Qiu D, Straka M, Zun Z, Bammer R, Moseley ME, Zaharchuk G.
J Magn Reson Imaging. 2012 Jul;36(1):110-9. doi: 10.1002/jmri.23613. Epub 2012 Feb 22.

[Comparison of arterial spin labeling and bolus perfusion-weighted imaging for detecting mismatch in acute stroke.](#)

Zaharchuk G, El Mogy IS, Fischbein NJ, Albers GW.
Stroke. 2012 Jul;43(7):1843-8. Epub 2012 Apr 26.

[Estimation of intersubject variability of cerebral blood flow measurements using MRI and positron emission tomography.](#)

Henriksen OM, Larsson HB, Hansen AE, Grüner JM, Law I, Rostrup E.
J Magn Reson Imaging. 2012 Jun;35(6):1290-9. doi: 10.1002/jmri.23579. Epub 2012 Jan 13.

[Regional and Voxel-Wise Comparisons of Blood Flow Measurements Between Dynamic Susceptibility Contrast Magnetic Resonance Imaging \(DSC-MRI\) and Arterial Spin Labeling \(ASL\) in Brain Tumors.](#)

White CM, Pope WB, Zaw T, Qiao J, Naeini KM, Lai A, Nghiemphu PL, Wang JJ, Cloughesy TF, Ellingson BM.
J Neuroimaging. 2012 Jun 5. doi: 10.1111/j.1552-6569.2012.00703.x. [Epub ahead of print]

Functional Imaging / BOLD

[Blood Flow MRI of the Human Retina/Choroid during Rest and Isometric Exercise.](#)

Zhang Y, San Emeterio Nateras O, Peng Q, Rosende CA, Duong TQ.

Invest Ophthalmol Vis Sci. 2012 Jun 1. [Epub ahead of print]

[Calibrating the BOLD signal during a motor task using an extended fusion model incorporating DOT, BOLD and ASL data.](#)

Yücel MA, Huppert TJ, Boas DA, Gagnon L.

Neuroimage. 2012 Jul 16;61(4):1268-76. Epub 2012 Apr 23.

[Separating neural and vascular effects of caffeine using simultaneous EEG-FMRI: Differential effects of caffeine on cognitive and sensorimotor brain responses.](#)

Diukova A, Ware J, Smith JE, Evans CJ, Murphy K, Rogers PJ, Wise RG.

Neuroimage. 2012 Aug 1;62(1):239-49. Epub 2012 Apr 28.

[Theta burst TMS increases cerebral blood flow in the primary motor cortex during motor performance as assessed by arterial spin labeling \(ASL\).](#)

Orosz A, Jann K, Wirth M, Wiest R, Dierks T, Federspiel A.

Neuroimage. 2012 Jul 2;61(3):599-605. Epub 2012 Apr 12.

Physiological Parameters beside CBF

[Age-Related Changes of Cerebral Autoregulation: New Insights with Quantitative T2'-Mapping and Pulsed Arterial Spin-Labeling MR Imaging.](#)

Wagner M, Jurcoane A, Volz S, Magerkurth J, Zanella FE, Neumann-Haefelin T, Deichmann R, Singer OC, Hattingen E.

AJNR Am J Neuroradiol. 2012 Jun 14. [Epub ahead of print]

[Quantification of arterial cerebral blood volume using multiphase-balanced SSFP-based ASL.](#)

Yan L, Li C, Kilroy E, Wehrli FW, Wang DJ.

Magn Reson Med. 2012 Jul;68(1):130-9. doi: 10.1002/mrm.23218. Epub 2011 Nov 29.

Technical Improvement/ Parameter Optimisation/ Theoretical Papers

[Comparing model-based and model-free analysis methods for QUASAR arterial spin labeling perfusion quantification.](#)

Chappell MA, Woolrich MW, Petersen ET, Golay X, Payne SJ.

Magn Reson Med. 2012 Jun 18. doi: 10.1002/mrm.24372. [Epub ahead of print]

[Efficient sampling of early signal arrival for estimation of perfusion and transit time in whole-brain arterial spin labeling.](#)

Lee W, Janik R, Scouten A, Stefanovic B, Sled JG.

Magn Reson Med. 2012 Jul;68(1):179-87. doi: 10.1002/mrm.23222. Epub 2011 Dec 21.

[Quantification of arterial cerebral blood volume using multiphase-balanced SSFP-based ASL.](#)

Yan L, Li C, Kilroy E, Wehrli FW, Wang DJ.

Magn Reson Med. 2012 Jul;68(1):130-9. doi: 10.1002/mrm.23218. Epub 2011 Nov 29.

[Selective multivessel labeling approach for perfusion territory imaging in pseudo-continuous arterial spin labeling.](#)

Helle M, Rüfer S, van Osch MJ, Jansen O, Norris DG.

Magn Reson Med. 2012 Jul;68(1):214-9. doi: 10.1002/mrm.23219. Epub 2011 Dec 28.

Job offerings

If you have any vacancies send them to jobs@asl-network.org

Feature articles

If you like to write a comment on an interesting article mail it to editor@asl-network.org