

Dear Colleagues,

Here is the ASL Newsletter No. 23.

Cheers,
Johanna

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

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Animal studies

[MRI assessment of cerebral blood flow after experimental traumatic brain injury combined with hemorrhagic shock in mice.](#)

Foley LM, Iqbal O'Meara AM, Wisniewski SR, Kevin Hitchens T, Melick JA, Ho C, Jenkins LW, Kochanek PM.

J Cereb Blood Flow Metab. 2012 Oct 17. doi: 10.1038/jcbfm.2012.145. [Epub ahead of print]

[Multiparametric functional NMR shows alterations associated with plasmid electrotransfer in mouse skeletal muscle.](#)

Baligand C, Jouvion G, Schackman O, Gilson H, Wary C, Thissen JP, Carlier PG.

J Gene Med. 2012 Oct 4. doi: 10.1002/jgm.2671. [Epub ahead of print]

[Quantitative myocardial perfusion in mice based on the signal intensity of flow sensitized CMR.](#)

Abeykoon S, Sargent M, Wansapura JP.

J Cardiovasc Magn Reson. 2012 Oct 24;14(1):73. [Epub ahead of print]

[The importance of RF bandwidth for effective tagging in pulsed arterial spin labeling MRI at 9.4T.](#)

Wells JA, Siow B, Lythgoe MF, Thomas DL.

NMR Biomed. 2012 Oct;25(10):1139-43. doi: 10.1002/nbm.2782. Epub 2012 Apr 19.

Pharmacological / Drug studies

[Effects of atorvastatin on cerebral blood flow in middle-aged adults at risk for Alzheimer's disease: a pilot study.](#)

Carlsson CM, Xu G, Wen Z, Barnet JH, Blazel HM, Chappell RJ, Stein JH, Asthana S, Sager MA, Alsop DC, Rowley HA, Fain SB, Johnson SC.

Curr Alzheimer Res. 2012 Oct 1;9(8):990-7.

[Feasibility of ASL-based pHMRI with a single dose of oral citalopram for repeated assessment of serotonin function.](#)

Klomp A, Caan MW, Denys D, Nederveen AJ, Reneman L.

Neuroimage. 2012 Nov 15;63(3):1695-700. doi: 10.1016/j.neuroimage.2012.07.038. Epub 2012 Jul 27.

[Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI.](#)

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

Acad Radiol. 2012 Oct;19(10):1194-200.

Perfusion studies other than on the brain

[Arterial Spin-labeling MR Imaging of Renal Masses: Correlation with Histopathologic Findings.](#)

Lanzman RS, Robson PM, Sun MR, Patel AD, Mentore K, Wagner AA, Genega EM, Rofsky NM, Alsop DC, Pedrosa I.
Radiology. 2012 Oct 9. [Epub ahead of print]

[Effect of carotid artery stenting on cerebral blood flow: evaluation of hemodynamic changes using arterial spin labeling.](#)

Yun TJ, Sohn CH, Han MH, Yoon BW, Kang HS, Kim JE, Paeng JC, Choi SH, Kim JH, Chang KH.
Neuroradiology. 2012 Oct 24. [Epub ahead of print]

[Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI.](#)

Wang J, Zhang Y, Yang X, Wang X, Zhang J, Fang J, Jiang X.
Acad Radiol. 2012 Oct;19(10):1194-200.

[MRI for the assessment of organ perfusion in patients with chronic kidney disease.](#)

Odudu A, Francis ST, McIntyre CW.
Curr Opin Nephrol Hypertens. 2012 Sep 24. [Epub ahead of print]

[Multiparametric functional NMR shows alterations associated with plasmid electrotransfer in mouse skeletal muscle.](#)

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[Quantitative myocardial perfusion in mice based on the signal intensity of flow sensitized CMR.](#)

Abeykoon S, Sargent M, Wansapura JP.
J Cardiovasc Magn Reson. 2012 Oct 24;14(1):73. [Epub ahead of print]

[Spatial-temporal dynamics of pulmonary blood flow in the healthy human lung in response to altered FIO₂.](#)

Asadi AK, Cronin MV, Sa RC, Theilmann RJ, Holverda S, Hopkins SR, Buxton RB, Prisk GK.
J Appl Physiol. 2012 Oct 25. [Epub ahead of print]

[Thyroid Perfusion Imaging as a Diagnostic Tool in Graves' Disease - Arterial Spin Labeling Magnetic Resonance Imaging vs. Colour-Coded Doppler Ultrasound.](#)

Müssig K, Schraml C, Rietig R, Martirosian P, Schwenzer NF, Claussen CD, Häring HU, Schick F, Balletshofer B.

Cerebral blood flow studies

[Inverse correspondence between hippocampal perfusion and verbal memory performance in older adults.](#)

Rane S, Ally BA, Hussey E, Wilson T, Thornton-Wells T, Gore JC, Donahue MJ.
Hippocampus. 2012 Oct 26. doi: 10.1002/hipo.22080. [Epub ahead of print]

[The effects of altered intrathoracic pressure on resting cerebral blood flow and its response to visual stimulation.](#)

Hayen A, Herigstad M, Kelly M, Okell TW, Murphy K, Wise RG, Pattinson KT. Neuroimage. 2012 Oct 26. doi:pii: S1053-8119(12)01052-X. 10.1016/j.neuroimage.2012.10.049. [Epub ahead of print]

Studies on special diseases

[A quantitative method for correlating observations of decreased apparent diffusion coefficient with elevated cerebral blood perfusion in newborns presenting cerebral ischemic insults.](#)

Pienaar R, Paldino MJ, Madan N, Krishnamoorthy KS, Alsop DC, Dehaes M, Grant PE. Neuroimage. 2012 Nov 15;63(3):1510-8. doi: 10.1016/j.neuroimage.2012.07.062. Epub 2012 Aug 7.

[Arterial spin labeling in patients with chronic cerebral artery steno-occlusive disease: correlation with 15O-PET.](#)

Kamano H, Yoshiura T, Hiwatashi A, Abe K, Togao O, Yamashita K, Honda H. Acta Radiol. 2012 Oct 22. [Epub ahead of print]

[Default mode network connectivity encodes clinical pain: An arterial spin labeling study.](#)

Loggia ML, Kim J, Gollub RL, Vangel MG, Kirsch I, Kong J, Wasan AD, Napadow V. Pain. 2012 Oct 27. doi:pii: S0304-3959(12)00456-3. 10.1016/j.pain.2012.07.029. [Epub ahead of print]

[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 Nov;22(11):2382-91. doi: 10.1007/s00330-012-2511-5. Epub 2012 Jun 1.

[Effects of atorvastatin on cerebral blood flow in middle-aged adults at risk for Alzheimer's disease: a pilot study.](#)

Carlsson CM, Xu G, Wen Z, Barnet JH, Blazel HM, Chappell RJ, Stein JH, Asthana S, Sager MA, Alsop DC, Rowley HA, Fain SB, Johnson SC. Curr Alzheimer Res. 2012 Oct 1;9(8):990-7.

[MR evaluation of cerebral oxygen metabolism and blood flow in stroke-like episodes of MELAS.](#)

Wang Z, Xiao J, Xie S, Zhao D, Liu X, Zhang J, Yuan Y, Huang Y. J Neurol Sci. 2012 Oct 10. pii: S0022-510X(12)00503-5. doi: 10.1016/j.jns.2012.09.011. [Epub ahead of print]

[Reduced Cerebral Blood Flow Within the Default-Mode Network and Within Total Gray Matter in Major Depression.](#)

Orosz A, Jann K, Federspiel A, Horn H, Höfle O, Dierks T, Wiest R, Strik W, Müller T, Walther S. Brain Connect. 2012 Sep 26. [Epub ahead of print]

[Retrospective analysis of imaging techniques for treatment planning and monitoring of obliteration for gamma knife treatment of cerebral arteriovenous malformation.](#)

Amponsah K, Ellis TL, Chan MD, Lovato JF, Bourland JD, Deguzman AF, Ekstrand KE, Munley MT, McMullen KP, Shaw EG, Tatter SB.
Neurosurgery. 2012 Oct;71(4):893-900.

[Sustained high-altitude hypoxia increases cerebral oxygen metabolism.](#)

Smith ZM, Krizay E, Guo J, Shin DD, Scadeng M, Dubowitz DJ.
J Appl Physiol. 2012 Sep 27. [Epub ahead of print]

Comparison of ASL Techniques or ASL compared with other imaging methods

[Arterial spin labeling in patients with chronic cerebral artery steno-occlusive disease: correlation with 15O-PET.](#)

Kamano H, Yoshiura T, Hiwatashi A, Abe K, Togao O, Yamashita K, Honda H.
Acta Radiol. 2012 Oct 22. [Epub ahead of print]

[Simultaneous PET/MR imaging in a human brain PET/MR system in 50 patients-Current state of image quality.](#)

Schwenzer NF, Stegger L, Bisdas S, Schraml C, Kolb A, Boss A, Müller M, Reimold M, Ernemann U, Claussen CD, Pfannenbergl C, Schmidt H.
Eur J Radiol. 2012 Nov;81(11):3472-8. doi: 10.1016/j.ejrad.2011.12.027. Epub 2012 Jan 18.

[Thyroid Perfusion Imaging as a Diagnostic Tool in Graves' Disease - Arterial Spin Labeling Magnetic Resonance Imaging vs. Colour-Coded Doppler Ultrasound.](#)

Müssig K, Schraml C, Rietig R, Martirosian P, Schwenzer NF, Claussen CD, Häring HU, Schick F, Balletshofer B.

Functional Imaging / BOLD

[Absolute quantification of resting oxygen metabolism and metabolic reactivity during functional activation using QUO2 MRI.](#)

Gauthier CJ, Desjardins-Crépeau L, Madjar C, Bherer L, Hoge RD.
Neuroimage. 2012 Nov 15;63(3):1353-63. doi: 10.1016/j.neuroimage.2012.07.065. Epub 2012 Aug 16.

[Multiparametric functional NMR shows alterations associated with plasmid electrotransfer in mouse skeletal muscle.](#)

Baligand C, Jouvion G, Schackman O, Gilson H, Wary C, Thissen JP, Carlier PG.
J Gene Med. 2012 Oct 4. doi: 10.1002/jgm.2671. [Epub ahead of print]

[Quantitative changes in regional cerebral blood flow induced by cold, heat and ischemic pain: a continuous arterial spin labeling study.](#)

Frölich MA, Deshpande H, Ness T, Deutsch G.
Anesthesiology. 2012 Oct;117(4):857-67.

Review Paper/ Historical Review

[MRI for the assessment of organ perfusion in patients with chronic kidney disease.](#)

Odudu A, Francis ST, McIntyre CW.

Curr Opin Nephrol Hypertens. 2012 Sep 24. [Epub ahead of print]

Technical Improvement/ Parameter Optimisation/ Theoretical Papers

[Feasibility of arterial spin labeling on a 1T open MRI scanner.](#)

Heijtel DF, van Osch MJ, Caan MW, Majoie CB, Vanbavel E, Nederveen AJ.

J Magn Reson Imaging. 2012 Oct 23. doi: 10.1002/jmri.23880. [Epub ahead of print]

[Optimization of flow-sensitive alternating inversion recovery \(FAIR\) for perfusion functional MRI of rodent brain.](#)

Nasrallah FA, Lee EL, Chuang KH.

NMR Biomed. 2012 Nov;25(11):1209-16. doi: 10.1002/nbm.2790. Epub 2012 Mar 26.

[Pseudocontinuous arterial spin labeling with optimized tagging efficiency.](#)

Shin DD, Liu TT, Wong EC, Shankaranarayanan A, Jung Y.

Magn Reson Med. 2012 Oct;68(4):1135-44. doi: 10.1002/mrm.24113. Epub 2012 Jan 3.

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