

Dear Colleagues.

Here is the ASL Newsletter No. 14.

Because of the increase of ASL publications in the last month, the Newsletter will from now on be published monthly.

Cheers,
Johanna

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

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Pharmacological / Drug studies

[Changes in regional cerebral blood flow and functional connectivity in the cholinergic pathway associated with cognitive performance in subjects with mild Alzheimer's disease after 12-week donepezil treatment.](#)

Li W, Antuono PG, Xie C, Chen G, Jones JL, Ward BD, Franczak MB, Goveas JS, Li SJ. Neuroimage. 2012 Jan 8. [Epub ahead of print]

[Dissociable effects of methylphenidate, atomoxetine and placebo on regional cerebral blood flow in healthy volunteers at rest: A multi-class pattern recognition approach.](#)

Marquand AF, O'Daly OG, De Simoni S, Alsop DC, Maguire RP, Williams SC, Zelaya FO, Mehta MA.

Neuroimage. 2012 Jan 14. [Epub ahead of print]

[Dynamic physostigmine effects on hippocampus perfusion.](#)

Li X, Spence JS, Buhner DM, Haley RW, Briggs RW.

J Magn Reson Imaging. 2012 Feb;35(2):280-6. doi: 10.1002/jmri.22821. Epub 2011 Sep 30.

[Tune It Down to Live It Up? Rapid, Nongenomic Effects of Cortisol on the Human Brain.](#)

Strelzyk F, Hermes M, Naumann E, Oitzl M, Walter C, Busch HP, Richter S, Schächinger H. J Neurosci. 2012 Jan 11;32(2):616-625.

Perfusion studies other than on the brain

[Arterial spin labeling MR imaging for characterisation of renal masses in patients with impaired renal function: initial experience.](#)

Pedrosa I, Rafatzand K, Robson P, Wagner AA, Atkins MB, Rofsky NM, Alsop DC. Eur Radiol. 2012 Feb;22(2):484-92. Epub 2011 Aug 30.

[Noncontrast functional MRI of the kidneys.](#)

Mannelli L, Maki JH, Osman SF, Chandarana H, Lomas DJ, Shuman WP, Linnau KF, Green DE, Laffi G, Moshiri M.

Curr Urol Rep. 2012 Feb;13(1):99-107.

[Repeatability of renal arterial spin labelling MRI in healthy subjects.](#)

Cutajar M, Thomas DL, Banks T, Clark CA, Golay X, Gordon I. MAGMA. 2012 Jan 13. [Epub ahead of print]

Cerebral blood flow studies

[Phasic deactivation of the medial temporal lobe enables working memory processing under stress.](#)

Cousijn H, Rijpkema M, Qin S, van Wingen GA, Fernández G.
Neuroimage. 2012 Jan 16;59(2):1161-7. Epub 2011 Oct 1.

CBF correlation with age

[Calibrated fMRI during a cognitive Stroop task reveals reduced metabolic response with increasing age.](#)

Mohtasib RS, Lumley G, Goodwin JA, Emsley HC, Sluming V, Parkes LM.
Neuroimage. 2012 Jan 16;59(2):1143-51. Epub 2011 Aug 5.

Studies on special diseases

[Complex relationships between cerebral blood flow and brain atrophy in early Huntington's disease.](#)

Chen JJ, Salat DH, Rosas HD.
Neuroimage. 2012 Jan 16;59(2):1043-51. Epub 2011 Sep 16.

[Direct comparison of fluorodeoxyglucose positron emission tomography and arterial spin labeling magnetic resonance imaging in Alzheimer's disease.](#)

Musiek ES, Chen Y, Korczykowski M, Saboury B, Martinez PM, Reddin JS, Alavi A, Kimberg DY, Wolk DA, Julin P, Newberg AB, Arnold SE, Detre JA.
Alzheimers Dement. 2012 Jan;8(1):51-9. Epub 2011 Oct 21.

[Identification of venous signal on arterial spin labeling improves diagnosis of dural arteriovenous fistulas and small arteriovenous malformations.](#)

Le TT, Fischbein NJ, André JB, Wijman C, Rosenberg J, Zaharchuk G.
AJNR Am J Neuroradiol. 2012 Jan;33(1):61-8. Epub 2011 Dec 8.

[Increased ventricular lactate in chronic fatigue syndrome. III. Relationships to cortical glutathione and clinical symptoms implicate oxidative stress in disorder pathophysiology.](#)

Shungu DC, Weiduschat N, Murrrough JW, Mao X, Pillemer S, Dyke JP, Medow MS, Natelson BH, Stewart JM, Mathew SJ.
NMR Biomed. 2012 Jan 27. doi: 10.1002/nbm.2772. [Epub ahead of print]

[Moyamoya disease: evaluation of postoperative revascularization using multiphase selective arterial spin labeling MRI.](#)

Saida T, Masumoto T, Nakai Y, Shiigai M, Matsumura A, Minami M.
J Comput Assist Tomogr. 2012 Jan;36(1):143-9.

[Neural correlates of disbalanced motor control in major depression.](#)

Walther S, Höfle O, Federspiel A, Horn H, Hügli S, Wiest R, Strik W, Müller TJ.
J Affect Disord. 2012 Jan;136(1-2):124-33. Epub 2011 Sep 17.

Comparison of ASL Techniques or ASL compared with other imaging methods

[Accelerated territorial arterial spin labeling based on shared rotating control acquisition: an observer study for validation.](#)

Kamano H, Yoshiura T, Hiwatashi A, Yamashita K, Takayama Y, Nagao E, Sagiya K, Zimine I, Honda H.

Neuroradiology. 2012 Jan;54(1):65-71. Epub 2011 Jul 26.

[Arterial Spin Labeling at 3.0 Tesla in Subacute Ischemia : Comparison to Dynamic Susceptibility Perfusion.](#)

Huck S, Kerl HU, Al-Zghloul M, Groden C, Nölte I.

Clin Neuroradiol. 2012 Jan 20. [Epub ahead of print]

[Direct comparison of fluorodeoxyglucose positron emission tomography and arterial spin labeling magnetic resonance imaging in Alzheimer's disease.](#)

Musiek ES, Chen Y, Korczykowski M, Saboury B, Martinez PM, Reddin JS, Alavi A, Kimberg DY, Wolk DA, Julin P, Newberg AB, Arnold SE, Detre JA.

Alzheimers Dement. 2012 Jan;8(1):51-9. Epub 2011 Oct 21.

[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 Jan 13. doi: 10.1002/jmri.23579. [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, Pfannenberger C, Schmidt H.

Eur J Radiol. 2012 Jan 17. [Epub ahead of print]

Functional Imaging / BOLD

[Calibrated fMRI during a cognitive Stroop task reveals reduced metabolic response with increasing age.](#)

Mohtasib RS, Lumley G, Goodwin JA, Emsley HC, Sluming V, Parkes LM.

Neuroimage. 2012 Jan 16;59(2):1143-51. Epub 2011 Aug 5.

[Differential effects of intranasal insulin and caffeine on cerebral blood flow.](#)

Grichisch Y, Cavuşoğlu M, Preissl H, Uludağ K, Hallschmid M, Birbaumer N, Häring HU, Fritsche A, Veit R.

Hum Brain Mapp. 2012 Feb;33(2):280-7. doi: 10.1002/hbm.21216. Epub 2011 Mar 9.

[The BOLD post-stimulus undershoot, one of the most debated issues in fMRI.](#)

van Zijl PC, Hua J, Lu H.

Neuroimage. 2012 Jan 9. [Epub ahead of print]

Technical Improvement/ Parameter Optimisation/ Theoretical Papers

[Arterial spin labeling angiography using a triple inversion recovery prepulse.](#)

Andia ME, Botnar RM.

Magn Reson Med. 2012 Feb;67(2):477-83. doi: 10.1002/mrm.23028. Epub 2011 Jun 7.

[Blind detection of vascular sources and territories using random vessel encoded arterial spin labeling.](#)

Wong EC, Guo J.

MAGMA. 2012 Jan 10. [Epub ahead of print]

[Improving quality of arterial spin labeling MR imaging at 3 tesla with a 32-channel coil and parallel imaging.](#)

Ferré JC, Petr J, Bannier E, Barillot C, Gauthier JY.

J Magn Reson Imaging. 2012 Jan 13. doi: 10.1002/jmri.23586. [Epub ahead of print]

[MR perfusion imaging by alternate slab width inversion recovery arterial spin labeling \(AIRASL\): a technique with higher signal-to-noise ratio at 3.0 T.](#)

Fujiwara Y, Kimura H, Miyati T, Kabasawa H, Matsuda T, Ishimori Y, Yamaguchi I, Adachi T.

MAGMA. 2012 Jan 13. [Epub ahead of print]

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

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

Magn Reson Med. 2012 Jan 3. doi: 10.1002/mrm.24113. [Epub ahead of print]

[Pseudo-random arterial modulation \(PRAM\): A novel arterial spin labeling approach to measure flow and blood transit times.](#)

Taei-Tehrani MR, Van Osch MJ, Brown TR.

J Magn Reson Imaging. 2012 Jan;35(1):223-8. doi: 10.1002/jmri.22844. Epub 2011 Oct

Kinetic Modules

[A kinetic model for vessel-encoded dynamic angiography with arterial spin labeling.](#)

Okell TW, Chappell MA, Schulz UG, Jezzard P.

Magn Reson Med. 2012 Jan 13. doi: 10.1002/mrm.23311. [Epub ahead of print]

Review Papers

[Applications of arterial spin labeled MRI in the brain.](#)

Detre JA, Rao H, Wang DJ, Chen YF, Wang Z.

J Magn Reson Imaging. 2012 Jan 13. doi: 10.1002/jmri.23581. [Epub ahead of print]

[Non-contrast enhanced MR angiography: Established techniques.](#)

Miyazaki M, Akahane M.

J Magn Reson Imaging. 2012 Jan;35(1):1-19. doi: 10.1002/jmri.22789.

[The BOLD post-stimulus undershoot, one of the most debated issues in fMRI.](#)

van Zijl PC, Hua J, Lu H.

Neuroimage. 2012 Jan 9. [Epub ahead of print]

Historical Review

[Early development of arterial spin labeling to measure regional brain blood flow by MRI.](#)

Koretsky AP.

Neuroimage. 2012 Jan 8. [Epub ahead of print]

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 newsletter@asl-network.org