

Dear Colleagues,

Here is the ASL Newsletter No. 51.

Kind regards,  
Ina

## Recent publications February 2015, (e-publications might have been earlier):

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## Animal Studies

["Domain Gauges": A Reference System for Multivariate Profiling of Brain fMRI Activation Patterns Induced by Psychoactive Drugs in Rats.](#)

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[Inhaled nitric oxide alters the distribution of blood flow in the healthy human lung, suggesting active hypoxic pulmonary vasoconstriction in normoxia.](#)

Asadi AK, Sá RC, Kim NH, Theilmann RJ, Hopkins SR, Buxton RB, Prisk GK. J Appl Physiol (1985). 2015 Feb 1;118(3):331-43. doi: 10.1152/jappphysiol.01354.2013. Epub 2014 Nov 26.

[Dose-dependent effects of intravenous alcohol administration on cerebral blood flow in young adults.](#)

Strang NM, Claus ED, Ramchandani VA, Graff-Guerrero A, Boileau I, Hendershot CS. Psychopharmacology (Berl). 2015 Feb;232(4):733-44. doi: 10.1007/s00213-014-3706-z. Epub 2014 Aug 12.

# Perfusion Studies Other than on the Brain

[Non-contrast myocardial perfusion using a novel 4D magnetic resonance arterial spin labeling technique: Initial experience.](#)

Miyazaki M, Zhou X, Hoshino T, Yokoyama K, Ishimura R, Nitatori T.

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## Cerebral Blood Flow Studies

### CBF Correlation with Age/ Pediatric Studies

[Decreased Cerebral Blood Flow in Chronic Pediatric Mild TBI: An MRI Perfusion Study.](#)

Wang Y, West JD, Bailey JN, Westfall DR, Xiao H, Arnold TW, Kersey PA, Saykin AJ, McDonald BC.

Dev Neuropsychol. 2015 Jan;40(1):40-4. doi: 10.1080/87565641.2014.979927.

[Advances in pediatric neuroimaging.](#)

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## CBF Regional Comparison/ Regional ASL

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[Nonconvulsive Partial Status Epilepticus Mimicking Recurrent Infarction Revealed by Diffusion-weighted and Arterial Spin Labeling Perfusion Magnetic Resonance Images.](#)

Kanazawa Y, Morioka T, Arakawa S, Furuta Y, Nakanishi A, Kitazono T.

J Stroke Cerebrovasc Dis. 2015 Feb 24. pii: S1052-3057(14)00487-X. doi: 10.1016/j.jstrokecerebrovasdis.2014.09.026. [Epub ahead of print]

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Magn Reson Med. 2015 Feb 13. doi: 10.1002/mrm.25611. [Epub ahead of print]

[High accuracy of arterial spin labeling perfusion imaging in differentiation of pilomyxoid from pilocytic astrocytoma.](#)

Nabavizadeh SA, Assadsangabi R, Hajmomenian M, Santi M, Vossough A.

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[\[Contribution of arterial spin labeling to the diagnosis of sudden and transient neurological deficit.\]](#)

Yger M, Villain N, Belkacem S, Bertrand A, Rosso C, Crozier S, Samson Y, Dormont D. Rev Neurol (Paris). 2015 Feb;171(2):161-165. doi: 10.1016/j.neurol.2014.10.014. Epub 2014 Dec 30. Review. French.

[Bright vessel appearance on arterial spin labeling MRI for localizing arterial occlusion in acute ischemic stroke.](#)

Yoo RE, Yun TJ, Rhim JH, Yoon BW, Kang KM, Choi SH, Kim JH, Kim JE, Kang HS, Sohn CH, Han MH.

Stroke. 2015 Feb;46(2):564-7. doi: 10.1161/STROKEAHA.114.007797. Epub 2014 Dec 18.

[Neural correlates of planning performance in patients with schizophrenia - Relationship with apathy.](#)

Liemburg EJ, Dlabac-De Lange JJ, Bais L, Knegtering H, van Osch MJ, Renken RJ, Aleman A.

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[Pseudo-continuous arterial spin labeling reflects vascular density and differentiates angiomatous meningiomas from non-angiomatous meningiomas.](#)

Koizumi S, Sakai N, Kawaji H, Takehara Y, Yamashita S, Sakahara H, Baba S, Hiramatsu H, Sameshima T, Namba H.

J Neurooncol. 2015 Feb;121(3):549-56. doi: 10.1007/s11060-014-1666-0. Epub 2014 Dec 6.

[Right arcuate fasciculus abnormality in chronic fatigue syndrome.](#)

Zeineh MM, Kang J, Atlas SW, Raman MM, Reiss AL, Norris JL, Valencia I, Montoya JG. Radiology. 2015 Feb;274(2):517-26. doi: 10.1148/radiol.14141079. Epub 2014 Oct 29.

[Multivariate decoding of cerebral blood flow measures in a clinical model of on-going postsurgical pain.](#)

O'Muircheartaigh J, Marquand A, Hodkinson DJ, Krause K, Khawaja N, Renton TF, Huggins JP, Vennart W, Williams SC, Howard MA.

Hum Brain Mapp. 2015 Feb;36(2):633-42. doi: 10.1002/hbm.22652. Epub 2014 Oct 12.

[Arterial spin labeling may contribute to the prediction of cognitive deterioration in healthy elderly individuals.](#)

Xekardaki A, Rodriguez C, Montandon ML, Toma S, Tombeur E, Herrmann FR, Zekry D, Lovblad KO, Barkhof F, Giannakopoulos P, Haller S.

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## Functional Imaging / BOLD

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Allen B, Jennings JR, Gianaros PJ, Thayer JF, Manuck SB.

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Neuroimage. 2015 Feb 1;106:170-81. doi: 10.1016/j.neuroimage.2014.10.029. Epub 2014 Oct 23.

[An optimized design to reduce eddy current sensitivity in velocity-selective arterial spin labeling using symmetric BIR-8 pulses.](#)

Guo J, Meakin JA, Jezzard P, Wong EC.

Magn Reson Med. 2015 Mar;73(3):1085-94. doi: 10.1002/mrm.25227. Epub 2014 Apr 7.

## Review Paper/ Historical Review

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## Job offerings

If you have any vacancies please send them to [jobs@asl-network.org](mailto:jobs@asl-network.org)

## Feature articles

If you would like to write a comment on an interesting article mail it to [editor@asl-network.org](mailto:editor@asl-network.org)