

Dear Colleagues,

here is the ASL Newsletter No. 93.

As announced in the previous newsletter, the **ASL Network Dinner** will happen during the early days of the ISMRM on 12. May after the opening reception.

Thanks to our sponsors, [mediri GmbH](#) and [Gold Standard Phantoms](#), we could find a venue in walking distance to the Palais des Congrès. Further details on the location and the registration will follow.

Best regards,
Klaus

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Epub & Print

Note: The '*new*-flag' is assigned to articles which haven't been in earlier newsletters (e.g. as e-publications). Additionally you will find titles printed in bold letters which indicates that they are listed for the first time in this particular newsletter. For articles listed multiple times in different sections the bold letters disappear in the later sections.

Publications in February 2019

Cerebral Blood Flow Studies

Studies on Special Disease

new

Heritability of Cerebral Blood Flow and the Correlation to Schizophrenia Spectrum Disorders: A Pseudo-continuous Arterial Spin Labeling Twin Study.

Legind CS, Broberg BV, Brouwer R, Mandl RCW, Ebdrup BH, Anhøj SJ, Jensen MH, Hilker R, Fagerlund B, Hulshoff Pol HE, Glenthøj BY, Rostrup E.

Schizophr Bull. 2019 Feb 18. pii: sbz007. doi: 10.1093/schbul/sbz007. [Epub ahead of print]

new

Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome.

Quon JL, Kim LH, Lober RM, Maleki M, Steinberg GK, Yeom KW.

J Neurosurg Pediatr. 2019 Feb 8:1-7. doi: 10.3171/2018.11.PEDS18498. [Epub ahead of print]

new

Change in gray matter volume and cerebral blood flow in patients with burning mouth syndrome.

Lee YC, Jahng GH, Ryu CW, Byun JY.

J Oral Pathol Med. 2019 Feb 8. doi: 10.1111/jop.12838. [Epub ahead of print]

new

Acute ischemic stroke patients with diffusion-weighted imaging-Alberta Stroke Program Early Computed Tomography Score ≤ 5 can benefit from endovascular treatment: a single-center experience and literature review.

Song K, Guan M, Li W, Jing Z, Xie X, Shi C, Liang J, Qiao H, Huang L.

Neuroradiology. 2019 Feb 6. doi: 10.1007/s00234-019-02177-1. [Epub ahead of print]

new

Diagnostic usefulness of arterial spin labeling in MR negative children with new onset seizures.

Lee SM, Kwon S, Lee YJ.

Seizure. 2019 Feb;65:151-158. doi: 10.1016/j.seizure.2019.01.024. Epub 2019 Jan 27.

new

Cerebrovascular reactivity measured with ASL perfusion MRI, ivy sign and regional tissue vascularization in moyamoya.

Kronenburg A, Bulder MMM, Bokkers RPH, Hartkamp NS, Hendrikse J, Vonken EJ, Kappelle LJ, van der Zwan A, Klijn CJM, Braun KPJ.

World Neurosurg. 2019 Feb 1. pii: S1878-8750(19)30240-2. doi: 10.1016/j.wneu.2019.01.140. [Epub ahead of print]

new

Magnetic Resonance Imaging of Cerebral Small Vessel Disease in Men Living with HIV and HIV-Negative Men Aged 50 and Above.

Haddow LJ, Sudre CH, Sokolska M, Gilson RC, Williams IG, Golay X, Ourselin S, Winston A, Sabin CA, Cardoso MJ, Jäger HR; Pharmacokinetics and clinical Observations in PeoPle over fiftY (POPPY) Study Group.

AIDS Res Hum Retroviruses. 2019 Feb 20. doi: 10.1089/AID.2018.0249. [Epub ahead of print]

Comparison of ASL Techniques / ASL Compared with Other Imaging Methods / ASL Combined with Other Imaging Methods

new

Effect of labelling plane angulation and position on labelling efficiency and cerebral blood flow quantification in pseudo-continuous arterial spin labelling.

Sokolska M, Bainbridge A, Villabona AR, Golay X, Thomas D.

Magn Reson Imaging. 2019 Feb 22. pii: S0730-725X(18)30594-0. doi: 10.1016/j.mri.2019.02.007. [Epub ahead of print]

new

Evaluation of Tumor Blood Flow Using Alternate Ascending/Descending Directional Navigation in Primary Brain Tumors: A Comparison Study with Dynamic Susceptibility Contrast Magnetic Resonance Imaging.

Park H, Lee J, Park SH, Choi SH.

Korean J Radiol. 2019 Feb;20(2):275-282. doi: 10.3348/kjr.2018.0300.

[Free PMC Article](#)

new

Magnetic Resonance Imaging of Cerebral Small Vessel Disease in Men Living with HIV and HIV-Negative Men Aged 50 and Above.

Haddow LJ, Sudre CH, Sokolska M, Gilson RC, Williams IG, Golay X, Ourselin S, Winston A, Sabin CA, Cardoso MJ, Jäger HR; Pharmacokinetics and clinical Observations in PeoPle over fiftY (POPPY) Study Group.

AIDS Res Hum Retroviruses. 2019 Feb 20. doi: 10.1089/AID.2018.0249. [Epub ahead of print]

Functional Imaging / BOLD

new

Global fluctuations of cerebral blood flow indicate a global brain network independent of systemic factors.

Zhao L, Alsop DC, Detre JA, Dai W.

J Cereb Blood Flow Metab. 2019 Feb;39(2):302-312. doi: 10.1177/0271678X17726625. Epub 2017 Aug 17.

ASL Data Analysis/ Comparison of ASL Evaluation Methods/ Kinetic Models/ Data Corrections/ Postprocessing

new

[Subtraction of arterial spin-labeling magnetic resonance perfusion images acquired at dual post-labeling delay: Potential for evaluating cerebral hyperperfusion syndrome following carotid endarterectomy.](#)

Haga S, Morioka T, Kameda K, Takahara K, Amano T, Tomohara S, Takaki H, Tsurusaki Y, Arihiro S.

J Clin Neurosci. 2019 Feb 6. pii: S0967-5868(17)32223-3. doi: 10.1016/j.jocn.2019.01.044. [Epub ahead of print]

new

[Partial volume correction for arterial spin labeling using the inherent perfusion information of multiple measurements.](#)

Liu Y, Wang Z, Liang R, Liang Z, Lu H.

Biomed Eng Online. 2019 Feb 4;18(1):12. doi: 10.1186/s12938-019-0631-8.

[Free PMC Article](#)

Cohort Studies / Gender- and Age Dependencies

new

[Heritability of Cerebral Blood Flow and the Correlation to Schizophrenia Spectrum Disorders: A Pseudo-continuous Arterial Spin Labeling Twin Study.](#)

Legind CS, Broberg BV, Brouwer R, Mandl RCW, Ebdrup BH, Anhøj SJ, Jensen MH, Hilker R, Fagerlund B, Hulshoff Pol HE, Glenthøj BY, Rostrup E.

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[Diagnostic usefulness of arterial spin labeling in MR negative children with new onset seizures.](#)

Lee SM, Kwon S, Lee YJ.

Seizure. 2019 Feb;65:151-158. doi: 10.1016/j.seizure.2019.01.024. Epub 2019 Jan 27.

new

[Cortical pattern of reduced perfusion in hearing loss revealed by ASL-MRI.](#)

Ponticorvo S, Manara R, Pfeuffer J, Cappiello A, Cuoco S, Pellicchia MT, Saponiero R, Troisi D, Cassandro C, John M, Scarpa A, Cassandro E, Di Salle F, Esposito F.

Hum Brain Mapp. 2019 Feb 4. doi: 10.1002/hbm.24538. [Epub ahead of print]

Pharmacological / Drug Studies / Studies on the Effects of Therapies

new

[Longitudinal assessment of cerebral blood flow changes following carotid artery stenting and endarterectomy.](#)

Lan Y, Lyu J, Ma X, Ma L, Lou X.

Radiol Med. 2019 Feb 15. doi: 10.1007/s11547-018-00986-7. [Epub ahead of print]

new

[Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome.](#)

Quon JL, Kim LH, Lober RM, Maleki M, Steinberg GK, Yeom KW.

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Screening / Prognosis / Prevention

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Technical Improvement / Parameter Optimization

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new

[Cerebral blood volume mapping using Fourier-transform-based velocity-selective saturation pulse trains.](#)

Qin Q, Qu Y, Li W, Liu D, Shin T, Zhao Y, Lin DD, van Zijl PCM, Wen Z.

Magn Reson Med. 2019 Feb 8. doi: 10.1002/mrm.27668. [Epub ahead of print]

Animal Studies

new

Transient receptor potential vanilloid 4 channels are important regulators of parenchymal arteriole dilation and cognitive function.

Diaz-Otero JM, Yen TC, Ahmad A, Laimon-Thomson E, Abolibdeh B, Kelly K, Lewis MT, Wiseman RW, Jackson WF, Dorrance AM.

Microcirculation. 2019 Feb 5:e12535. doi: 10.1111/micc.12535. [Epub ahead of print]

Perfusion Studies others than on Brain

new

Optimal repetition time for free breathing myocardial arterial spin labeling.

Aramendía-Vidaurreta V, García-Osés A, Vidorreta M, Bastarrika G, Fernández-Seara MA.

NMR Biomed. 2019 Feb 27:e4077. doi: 10.1002/nbm.4077. [Epub ahead of print]

Review Paper / Historical Review / Guidelines

new

3-Tesla MRI of deep brain stimulation patients: safety assessment of coils and pulse sequences.

Boutet A, Hancu I, Saha U, Crawley A, Xu DS, Ranjan M, Hlasny E, Chen R, Foltz W, Sammartino F, Coblenz A, Kucharczyk W, Lozano AM.

J Neurosurg. 2019 Feb 22:1-9. doi: 10.3171/2018.11.JNS181338. [Epub ahead of print]

new

Antibody-LGI 1 autoimmune encephalitis manifesting as rapidly progressive dementia and hyponatremia: a case report and literature review.

Li X, Yuan J, Liu L, Hu W.

BMC Neurol. 2019 Feb 7;19(1):19. doi: 10.1186/s12883-019-1251-4.

[Free PMC Article](#)

Job Offerings & Featured Articles

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

If you would like to write a comment on an interesting article, present software or work of common interest, e-mail some information to [editor\[AT\]asl-network.org](mailto:editor@asl-network.org).