

Dear Colleagues,

Here is the ASL Newsletter No. 77.

By browsing so many abstracts every months and reading much about great research, I again welcome you to promote your work in an additional fashion. Maybe you still have some unshared thoughts in your mind, some points to discuss or additional remarks on one of your recently published articles, please feel encouraged to get in contact with me to feature your work to the ASL community through a comment in the ALS Newsletter.

Kind regards,
Klaus

Recent publications

August 2017,

(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.

Content:

Animal Studies.....	2
Pharmacological / Drug Studies / Studies on the Effects of Therapies	3
Cerebral Blood Flow Studies.....	4
CBF Regional Comparison / Regional ASL.....	4
Studies on Special Disease	4
Comparison of ASL Techniques / ASL Compared with Other Imaging Methods / ASL Combined with Other Imaging Methods	6
Functional Imaging / BOLD	7
Others CBF Related.....	7
Perfusion Studies others than on Brain	8
Physiological Parameters besides CBF	8
ASL for Angiography	8
ASL in Kidneys	8
Myocardial ASL	8
Non-CBF specific: Comparison of ASL Methods/ Comparison of ASL with Other	

Diagnostic Methods.....	9
ASL Data Analysis/ Comparison of ASL Evaluation Methods/ Kinetic Models/ Data Corrections/ Postprocessing	9
Technical Improvement / Parameter Optimization	10
ASL at Field Strength > 3T.....	10
Case Reports.....	11
Cohort Studies / Gender- and Age Dependencies	11
Others	11
Review Paper / Historical Review / Guidelines.....	12
Job Offerings & Featured Articles.....	12

Animal Studies

Modulation of the peri-infarct neurogliovascular function by delayed COX-1 inhibition.

Lake EMR, Mester J, Thomason LA, Adams C, Bazzigaluppi P, Koletar M, Janik R, Carlen P, McLaurin J, Stanisz GJ, Stefanovic B.

J Magn Reson Imaging. 2017 Aug;46(2):505-517. doi: 10.1002/jmri.25541. Epub 2016 Nov 7.

Modification to the Rice-Vannucci perinatal hypoxic-ischaemic encephalopathy model in the P7 rat improves the reliability of cerebral infarct development after 48hours.

Edwards AB, Feindel KW, Cross JL, Anderton RS, Clark VW, Knuckey NW, Meloni BP.

J Neurosci Methods. 2017 Aug 15;288:62-71. doi: 10.1016/j.jneumeth.2017.06.016. Epub 2017 Jun 23.

Magnetic resonance imaging of blood-brain barrier permeability in ischemic stroke using diffusion-weighted arterial spin labeling in rats.

Tiwari YV, Lu J, Shen Q, Cerqueira B, Duong TQ.

J Cereb Blood Flow Metab. 2017 Aug;37(8):2706-2715. doi: 10.1177/0271678X16673385. Epub 2016 Jan 1.

Pharmacological / Drug Studies / Studies on the Effects of Therapies

new

[The Impact of Carotid Artery Stenting on Cerebral Perfusion, Functional Connectivity, and Cognition in Severe Asymptomatic Carotid Stenosis Patients.](#)

Wang T, Sun D, Liu Y, Mei B, Li H, Zhang S, Zhang J.

Front Neurol. 2017 Aug 9;8:403. doi: 10.3389/fneur.2017.00403. eCollection 2017.

new

[Serial Arterial Spin Labeling May Be Useful in Assessing the Therapeutic Course of Cerebral Venous Thrombosis: Case Reports.](#)

Furuya S, Kawabori M, Fujima N, Tokairin K, Goto S, Iwasaki M, Niiya Y, Mabuchi S.

Neurol Med Chir (Tokyo). 2017 Aug 23. doi: 10.2176/nmc.cr.2017-0033. [Epub ahead of print]

new

[Evaluation of obliteration of arteriovenous malformations after stereotactic radiosurgery with arterial spin labeling MR imaging.](#)

Kodera T, Arai Y, Arishima H, Higashino Y, Isozaki M, Tsunetoshi K, Matsuda K, Kitai R, Shimizu K, Kosaka N, Yamamoto T, Shioura H, Kimura H, Kikuta KI.

Br J Neurosurg. 2017 Aug 22:1-7. doi: 10.1080/02688697.2017.1365818. [Epub ahead of print]

new

[Therapy-related longitudinal brain perfusion changes in patients with chronic pelvic pain syndrome.](#)

Weisstanner C, Mordasini L, Thalman GN, Verma RK, Rummel C, Federspiel A, Kessler TM, Wiest R.

Swiss Med Wkly. 2017 Aug 3;147:w14454. doi: smw.2017.14454. eCollection 2017 Aug 3.

[Free Article](#)

[Modulation of the peri-infarct neurogliovascular function by delayed COX-1 inhibition.](#)

Lake EMR, Mester J, Thomason LA, Adams C, Bazzigaluppi P, Koletar M, Janik R, Carlen P, McLaurin J, Stanisz GJ, Stefanovic B.

J Magn Reson Imaging. 2017 Aug;46(2):505-517. doi: 10.1002/jmri.25541. Epub 2016 Nov 7.

[Fluid-attenuated inversion recovery vascular hyperintensities in predicting cerebral hyperperfusion after intracranial arterial stenting.](#)

Wan CC, Chen DY, Tseng YC, Yan FX, Lee KY, Chiang CH, Chen CJ.

Neuroradiology. 2017 Aug;59(8):791-796. doi: 10.1007/s00234-017-1863-6. Epub 2017 Jul 8.

[Evaluation of recurrent high-grade gliomas treated with bevacizumab: A preliminary report of 3D pseudocontinuous artery spin labeling.](#)

Lyu Y, Liu S, You H, Hou B, Wang Y, Ma W, Feng F.

J Magn Reson Imaging. 2017 Aug;46(2):565-573. doi: 10.1002/jmri.25558. Epub 2016 Nov 30.

Cerebral Blood Flow Studies

CBF Regional Comparison / Regional ASL

new

[In the grip of worry: cerebral blood flow changes during worry induction and reappraisal in late-life generalized anxiety disorder.](#)

Karim HT, Tudorascu DL, Butters MA, Walker S, Aizenstein HJ, Andreescu C.
Transl Psychiatry. 2017 Aug 15;7(8):e1204. doi: 10.1038/tp.2017.180.

new

[Therapy-related longitudinal brain perfusion changes in patients with chronic pelvic pain syndrome.](#)

Weisstanner C, Mordasini L, Thalmann GN, Verma RK, Rummel C, Federspiel A, Kessler TM, Wiest R.

Swiss Med Wkly. 2017 Aug 3;147:w14454. doi: smw.2017.14454. eCollection 2017 Aug 3.

[Free Article](#)

Studies on Special Disease

new

[Correlation between arterial spin-labeling perfusion and histopathological vascular density of pediatric intracranial tumors.](#)

Kikuchi K, Hiwatashi A, Togao O, Yamashita K, Yoshimoto K, Mizoguchi M, Suzuki SO, Iwaki T, Suzuki Y, Honda H.

J Neurooncol. 2017 Aug 30. doi: 10.1007/s11060-017-2604-8. [Epub ahead of print]

new

[The Impact of Carotid Artery Stenting on Cerebral Perfusion, Functional Connectivity, and Cognition in Severe Asymptomatic Carotid Stenosis Patients.](#)

Wang T, Sun D, Liu Y, Mei B, Li H, Zhang S, Zhang J.

Front Neurol. 2017 Aug 9;8:403. doi: 10.3389/fneur.2017.00403. eCollection 2017.

new

[Decreased cerebral blood flow in the primary motor cortex in major depressive disorder with psychomotor retardation.](#)

Yin Y, Wang M, Wang Z, Xie C, Zhang H, Zhang H, Zhang Z, Yuan Y.

Prog Neuropsychopharmacol Biol Psychiatry. 2017 Aug 17. pii: S0278-5846(17)30346-9. doi: 10.1016/j.pnpbp.2017.08.013. [Epub ahead of print]

new

[Regarding "Perfusion MR Imaging Using a 3D Pulsed Continuous Arterial Spin-Labeling Method for Acute Cerebral Infarction Classified as Branch Atheromatous Disease Involving the Lenticulostriate Artery Territory".](#)

Shin DH, Kim EY.

AJNR Am J Neuroradiol. 2017 Aug 17. doi: 10.3174/ajnr.A5356. [Epub ahead of print] No abstract available.

new

[In the grip of worry: cerebral blood flow changes during worry induction and reappraisal in late-life generalized anxiety disorder.](#)

Karim HT, Tudorascu DL, Butters MA, Walker S, Aizenstein HJ, Andreescu C.
Transl Psychiatry. 2017 Aug 15;7(8):e1204. doi: 10.1038/tp.2017.180.

new

[Therapy-related longitudinal brain perfusion changes in patients with chronic pelvic pain syndrome.](#)

Weisstanner C, Mordasini L, Thalmann GN, Verma RK, Rummel C, Federspiel A, Kessler TM, Wiest R.

Swiss Med Wkly. 2017 Aug 3;147:w14454. doi: smw.2017.14454. eCollection 2017 Aug 3.

[Free Article](#)

new

[Long-Delay Arterial Spin Labeling Provides More Accurate Cerebral Blood Flow Measurements in Moyamoya Patients: A Simultaneous Positron Emission Tomography/MRI Study.](#)

Fan AP, Guo J, Khalighi MM, Gulaka PK, Shen B, Park JH, Gandhi H, Holley D, Rutledge O, Singh P, Haywood T, Steinberg GK, Chin FT, Zaharchuk G.

Stroke. 2017 Aug 1. pii: STROKEAHA.117.017773. doi: 10.1161/STROKEAHA.117.017773.

[Epub ahead of print]

[Functional assessment of prefrontal lobes in patients with major depression disorder using a dual-mode technique of 3D-arterial spin labeling and 18F-fluorodeoxyglucose positron emission tomography/computed tomography.](#)

Fu C, Shi D, Gao Y, Xu J.

Exp Ther Med. 2017 Aug;14(2):1058-1064. doi: 10.3892/etm.2017.4594. Epub 2017 Jun 13.

[Modulation of the peri-infarct neurogliovascular function by delayed COX-1 inhibition.](#)

Lake EMR, Mester J, Thomason LA, Adams C, Bazzigaluppi P, Koletar M, Janik R, Carlen P, McLaurin J, Stanisz GJ, Stefanovic B.

J Magn Reson Imaging. 2017 Aug;46(2):505-517. doi: 10.1002/jmri.25541. Epub 2016 Nov 7.

[Perfusion MR Imaging Using a 3D Pulsed Continuous Arterial Spin-Labeling Method for Acute Cerebral Infarction Classified as Branch Atheromatous Disease Involving the Lenticulostriate Artery Territory.](#)

Shinohara Y, Kato A, Kuya K, Okuda K, Sakamoto M, Kowa H, Ogawa T.

AJNR Am J Neuroradiol. 2017 Aug;38(8):1550-1554. doi: 10.3174/ajnr.A5247. Epub 2017 Jun 8.

[Head-to-Head Visual Comparison between Brain Perfusion SPECT and Arterial Spin-Labeling MRI with Different Postlabeling Delays in Alzheimer Disease.](#)

Kaneta T, Katsuse O, Hirano T, Ogawa M, Yoshida K, Odawara T, Hirayasu Y, Inoue T.

AJNR Am J Neuroradiol. 2017 Aug;38(8):1562-1568. doi: 10.3174/ajnr.A5238. Epub 2017 Jun 1.

In child and adult migraineurs the somatosensory cortex stands out ... again: An arterial spin labeling investigation.

Youssef AM, Ludwick A, Wilcox SL, Lebel A, Peng K, Colon E, Danehy A, Burstein R, Becerra L, Borsook D.

Hum Brain Mapp. 2017 Aug;38(8):4078-4087. doi: 10.1002/hbm.23649. Epub 2017 May 31.

Multiparametric computer-aided differential diagnosis of Alzheimer's disease and frontotemporal dementia using structural and advanced MRI.

Bron EE, Smits M, Papma JM, Steketee RME, Meijboom R, de Groot M, van Swieten JC, Niessen WJ, Klein S.

Eur Radiol. 2017 Aug;27(8):3372-3382. doi: 10.1007/s00330-016-4691-x. Epub 2016 Dec 16.

Evaluation of recurrent high-grade gliomas treated with bevacizumab: A preliminary report of 3D pseudocontinuous artery spin labeling.

Lyu Y, Liu S, You H, Hou B, Wang Y, Ma W, Feng F.

J Magn Reson Imaging. 2017 Aug;46(2):565-573. doi: 10.1002/jmri.25558. Epub 2016 Nov 30.

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

Functional assessment of prefrontal lobes in patients with major depression disorder using a dual-mode technique of 3D-arterial spin labeling and 18F-fluorodeoxyglucose positron emission tomography/computed tomography.

Fu C, Shi D, Gao Y, Xu J.

Exp Ther Med. 2017 Aug;14(2):1058-1064. doi: 10.3892/etm.2017.4594. Epub 2017 Jun 13.

new

Long-Delay Arterial Spin Labeling Provides More Accurate Cerebral Blood Flow Measurements in Moyamoya Patients: A Simultaneous Positron Emission Tomography/MRI Study.

Fan AP, Guo J, Khalighi MM, Gulaka PK, Shen B, Park JH, Gandhi H, Holley D, Rutledge O, Singh P, Haywood T, Steinberg GK, Chin FT, Zaharchuk G.

Stroke. 2017 Aug 1. pii: STROKEAHA.117.017773. doi: 10.1161/STROKEAHA.117.017773. [Epub ahead of print]

Head-to-Head Visual Comparison between Brain Perfusion SPECT and Arterial Spin-Labeling MRI with Different Postlabeling Delays in Alzheimer Disease.

Kaneta T, Katsuse O, Hirano T, Ogawa M, Yoshida K, Odawara T, Hirayasu Y, Inoue T.

AJNR Am J Neuroradiol. 2017 Aug;38(8):1562-1568. doi: 10.3174/ajnr.A5238. Epub 2017 Jun 1.

Functional Imaging / BOLD

new

Does Aerobic Exercise Influence Intrinsic Brain Activity? An Aerobic Exercise Intervention among Healthy Old Adults.

Flodin P, Jonasson LS, Riklund K, Nyberg L, Boraxbekk CJ.

Front Aging Neurosci. 2017 Aug 11;9:267. doi: 10.3389/fnagi.2017.00267. eCollection 2017.

new

Post-conventional moral reasoning is associated with increased ventral striatal activity at rest and during task.

Fang Z, Jung WH, Korczykowski M, Luo L, Prehn K, Xu S, Detre JA, Kable JW, Robertson DC, Rao H.

Sci Rep. 2017 Aug 2;7(1):7105. doi: 10.1038/s41598-017-07115-w.

[Free PMC Article](#)

new

The Insular Cortex Dynamically Maps Changes in Cardiorespiratory Interoception.

Hassanpour MS, Simmons WK, Feinstein JS, Luo Q, Lapidus RC, Bodurka J, Paulus MP, Khalsa SS.

Neuropsychopharmacology. 2017 Aug 9. doi: 10.1038/npp.2017.154. [Epub ahead of print]

Combining arterial-spin labeling with functional magnetic resonance imaging measurement for characterizing patients with minimal hepatic encephalopathy.

Li Y, Liu H, Yang J, Tian X, Yang H, Geng Z.

Hepatol Res. 2017 Aug;47(9):862-871. doi: 10.1111/hepr.12827. Epub 2016 Nov 9.

Others CBF Related

new

Does Aerobic Exercise Influence Intrinsic Brain Activity? An Aerobic Exercise Intervention among Healthy Old Adults.

Flodin P, Jonasson LS, Riklund K, Nyberg L, Boraxbekk CJ.

Front Aging Neurosci. 2017 Aug 11;9:267. doi: 10.3389/fnagi.2017.00267. eCollection 2017.

new

Comparing accuracy and reproducibility of sequential and Hadamard-encoded multidelay pseudocontinuous arterial spin labeling for measuring cerebral blood flow and arterial transit time in healthy subjects: A simulation and in vivo study.

Guo J, Holdsworth SJ, Fan AP, Lebel MR, Zun Z, Shankaranarayanan A, Zaharchuk G.

J Magn Reson Imaging. 2017 Aug 9. doi: 10.1002/jmri.25834. [Epub ahead of print]

Perfusion Studies others than on Brain

new

[A physiological model for interpretation of arterial spin labeling reactive hyperemia of calf muscles.](#)

Chen HJ, Wright GA.

PLoS One. 2017 Aug 24;12(8):e0183259. doi: 10.1371/journal.pone.0183259. eCollection 2017.

Physiological Parameters besides CBF

[Magnetic resonance imaging of blood-brain barrier permeability in ischemic stroke using diffusion-weighted arterial spin labeling in rats.](#)

Tiwari YV, Lu J, Shen Q, Cerqueira B, Duong TQ.

J Cereb Blood Flow Metab. 2017 Aug;37(8):2706-2715. doi: 10.1177/0271678X16673385. Epub 2016 Jan 1.

ASL for Angiography

new

[Evaluation of obliteration of arteriovenous malformations after stereotactic radiosurgery with arterial spin labeling MR imaging.](#)

Kodera T, Arai Y, Arishima H, Higashino Y, Isozaki M, Tsunetoshi K, Matsuda K, Kitai R, Shimizu K, Kosaka N, Yamamoto T, Shioura H, Kimura H, Kikuta KI.

Br J Neurosurg. 2017 Aug 22:1-7. doi: 10.1080/02688697.2017.1365818. [Epub ahead of print]

ASL in Kidneys

new

[Evaluation of non-contrast MRI biomarkers in lupus nephritis.](#)

Skeoch S, Hubbard Cristinacce PL, Dobbs M, Naish J, Woodhouse N, Ho M, Waterton JC, Parker GJM, Bruce IN.

Clin Exp Rheumatol. 2017 Aug 28. [Epub ahead of print]

[Diagnostic value of renal perfusion in patients with chronic kidney disease using 3D arterial spin labeling.](#)

Cai YZ, Li ZC, Zuo PL, Pfeuffer J, Li YM, Liu F, Liu RB.

J Magn Reson Imaging. 2017 Aug;46(2):589-594. doi: 10.1002/jmri.25601. Epub 2017 Feb 9.

Myocardial ASL

[Assessment of segmental myocardial blood flow and myocardial perfusion reserve by adenosine-stress myocardial arterial spin labeling perfusion imaging.](#)

Yoon AJ, Do HP, Cen S, Fong MW, Saremi F, Barr ML, Nayak KS.

J Magn Reson Imaging. 2017 Aug;46(2):413-420. doi: 10.1002/jmri.25604. Epub 2017 Feb 2.

Non-CBF specific: Comparison of ASL Methods/ Comparison of ASL with Other Diagnostic Methods

new

[Evaluation of non-contrast MRI biomarkers in lupus nephritis.](#)

Skeoch S, Hubbard Cristinacce PL, Dobbs M, Naish J, Woodhouse N, Ho M, Waterton JC, Parker GJM, Bruce IN.

Clin Exp Rheumatol. 2017 Aug 28. [Epub ahead of print]

new

[A physiological model for interpretation of arterial spin labeling reactive hyperemia of calf muscles.](#)

Chen HJ, Wright GA.

PLoS One. 2017 Aug 24;12(8):e0183259. doi: 10.1371/journal.pone.0183259. eCollection 2017.

[Magnetic resonance imaging of blood-brain barrier permeability in ischemic stroke using diffusion-weighted arterial spin labeling in rats.](#)

Tiwari YV, Lu J, Shen Q, Cerqueira B, Duong TQ.

J Cereb Blood Flow Metab. 2017 Aug;37(8):2706-2715. doi: 10.1177/0271678X16673385. Epub 2016 Jan 1.

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

new

[A physiological model for interpretation of arterial spin labeling reactive hyperemia of calf muscles.](#)

Chen HJ, Wright GA.

PLoS One. 2017 Aug 24;12(8):e0183259. doi: 10.1371/journal.pone.0183259. eCollection 2017.

new

[Comparing accuracy and reproducibility of sequential and Hadamard-encoded multidelay pseudocontinuous arterial spin labeling for measuring cerebral blood flow and arterial transit time in healthy subjects: A simulation and in vivo study.](#)

Guo J, Holdsworth SJ, Fan AP, Lebel MR, Zun Z, Shankaranarayanan A, Zaharchuk G.

J Magn Reson Imaging. 2017 Aug 9. doi: 10.1002/jmri.25834. [Epub ahead of print]

[Modification to the Rice-Vannucci perinatal hypoxic-ischaemic encephalopathy model in the P7 rat improves the reliability of cerebral infarct development after 48hours.](#)

Edwards AB, Feindel KW, Cross JL, Anderton RS, Clark VW, Knuckey NW, Meloni BP.

J Neurosci Methods. 2017 Aug 15;288:62-71. doi: 10.1016/j.jneumeth.2017.06.016. Epub 2017 Jun 23.

[Multiparametric computer-aided differential diagnosis of Alzheimer's disease and frontotemporal dementia using structural and advanced MRI.](#)

Bron EE, Smits M, Papma JM, Steketee RME, Meijboom R, de Groot M, van Swieten JC, Niessen WJ, Klein S.

Eur Radiol. 2017 Aug;27(8):3372-3382. doi: 10.1007/s00330-016-4691-x. Epub 2016 Dec 16.

[Magnetic resonance imaging of blood-brain barrier permeability in ischemic stroke using diffusion-weighted arterial spin labeling in rats.](#)

Tiwari YV, Lu J, Shen Q, Cerqueira B, Duong TQ.

J Cereb Blood Flow Metab. 2017 Aug;37(8):2706-2715. doi: 10.1177/0271678X16673385. Epub 2016 Jan 1.

Technical Improvement / Parameter Optimization

new

[Comparing accuracy and reproducibility of sequential and Hadamard-encoded multidelay pseudocontinuous arterial spin labeling for measuring cerebral blood flow and arterial transit time in healthy subjects: A simulation and in vivo study.](#)

Guo J, Holdsworth SJ, Fan AP, Lebel MR, Zun Z, Shankaranarayanan A, Zaharchuk G.

J Magn Reson Imaging. 2017 Aug 9. doi: 10.1002/jmri.25834. [Epub ahead of print]

[Temporal and Spatial Variances in Arterial Spin-Labeling Are Inversely Related to Large-Artery Blood Velocity.](#)

Robertson AD, Matta G, Basile VS, Black SE, Macgowan CK, Detre JA, MacIntosh BJ.

AJNR Am J Neuroradiol. 2017 Aug;38(8):1555-1561. doi: 10.3174/ajnr.A5257. Epub 2017 Jun 15.

[A look-locker acquisition scheme for quantitative myocardial perfusion imaging with FAIR arterial spin labeling in humans at 3 tesla.](#)

Keith GA, Rodgers CT, Chappell MA, Robson MD.

Magn Reson Med. 2017 Aug;78(2):541-549. doi: 10.1002/mrm.26388. Epub 2016 Sep 8.

[Free PMC Article](#)

ASL at Field Strength > 3T

[Comparison of 3T and 7T ASL techniques for concurrent functional perfusion and BOLD studies.](#)

Ivanov D, Gardumi A, Haast RAM, Pfeuffer J, Poser BA, Uludağ K.

Neuroimage. 2017 Aug 1;156:363-376. doi: 10.1016/j.neuroimage.2017.05.038. Epub 2017 May 19.

Case Reports

new

[Serial Arterial Spin Labeling May Be Useful in Assessing the Therapeutic Course of Cerebral Venous Thrombosis: Case Reports.](#)

Furuya S, Kawabori M, Fujima N, Tokairin K, Goto S, Iwasaki M, Niiya Y, Mabuchi S. *Neurol Med Chir (Tokyo)*. 2017 Aug 23. doi: 10.2176/nmc.cr.2017-0033. [Epub ahead of print]

Cohort Studies / Gender- and Age Dependencies

new

[Correlation between arterial spin-labeling perfusion and histopathological vascular density of pediatric intracranial tumors.](#)

Kikuchi K, Hiwatashi A, Togao O, Yamashita K, Yoshimoto K, Mizoguchi M, Suzuki SO, Iwaki T, Suzuki Y, Honda H. *J Neurooncol*. 2017 Aug 30. doi: 10.1007/s11060-017-2604-8. [Epub ahead of print]

new

[Does Aerobic Exercise Influence Intrinsic Brain Activity? An Aerobic Exercise Intervention among Healthy Old Adults.](#)

Flodin P, Jonasson LS, Riklund K, Nyberg L, Boraxbekk CJ. *Front Aging Neurosci*. 2017 Aug 11;9:267. doi: 10.3389/fnagi.2017.00267. eCollection 2017.

new

[Decreased cerebral blood flow in the primary motor cortex in major depressive disorder with psychomotor retardation.](#)

Yin Y, Wang M, Wang Z, Xie C, Zhang H, Zhang H, Zhang Z, Yuan Y. *Prog Neuropsychopharmacol Biol Psychiatry*. 2017 Aug 17. pii: S0278-5846(17)30346-9. doi: 10.1016/j.pnpbp.2017.08.013. [Epub ahead of print]

[In child and adult migraineurs the somatosensory cortex stands out ... again: An arterial spin labeling investigation.](#)

Youssef AM, Ludwick A, Wilcox SL, Lebel A, Peng K, Colon E, Danehy A, Burstein R, Becerra L, Borsook D. *Hum Brain Mapp*. 2017 Aug;38(8):4078-4087. doi: 10.1002/hbm.23649. Epub 2017 May 31.

Others

new

[In the grip of worry: cerebral blood flow changes during worry induction and reappraisal in late-life generalized anxiety disorder.](#)

Karim HT, Tudorascu DL, Butters MA, Walker S, Aizenstein HJ, Andreescu C. *Transl Psychiatry*. 2017 Aug 15;7(8):e1204. doi: 10.1038/tp.2017.180.

Review Paper / Historical Review / Guidelines

new

Alterations in Cerebral Blood Flow after Resuscitation from Cardiac Arrest.

Jordanova B, Li L, Clark RSB, Manole MD.

Front Pediatr. 2017 Aug 16;5:174. doi: 10.3389/fped.2017.00174. eCollection 2017. Review.

Job Offerings & Featured Articles

- If you have any vacancies please send them to jobsATasl-network.org
- If you would like to write a comment on an interesting article mail it to editorATasl-network.org