

Pediatric Perfusion MR Imaging Using Arterial Spin Lab

Neuroimaging Clinics of North America

16, 149-167

DOI: [10.1016/j.nic.2005.10.002](https://doi.org/10.1016/j.nic.2005.10.002)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Arterial spin labeling perfusion magnetic resonance imaging in developmental neuroscience. , 0, , 326-343.		2
2	Measurement of cerebral perfusion with arterial spin labeling: Part 2. Applications. Journal of the International Neuropsychological Society, 2007, 13, 526-38.	1.2	93
3	Altered Resting Cerebral Blood Flow in Adolescents With in Utero Cocaine Exposure Revealed by Perfusion Functional MRI. Pediatrics, 2007, 120, e1245-e1254.	1.0	70
4	Neuroimaging of the Child With Developmental Delay. Topics in Magnetic Resonance Imaging, 2007, 18, 75-92.	0.7	16
5	Clinical neuroimaging using arterial spin-labeled perfusion magnetic resonance imaging. Neurotherapeutics, 2007, 4, 346-359.	2.1	209
6	Reproducibility of continuous arterial spin labeling perfusion MRI after 7 weeks. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 103-115.	1.1	59
7	Validation study of a pulsed arterial spin labeling technique by comparison to perfusion computed tomography. Magnetic Resonance Imaging, 2008, 26, 543-553.	1.0	31
8	Ultrasound Imaging of Renal Vaso-Occlusive Events in Transgenic Sickle Mice Exposed to Hypoxic Stress. Ultrasound in Medicine and Biology, 2008, 34, 1076-1084.	0.7	26
9	Neuroimaging in the evaluation of pattern and timing of fetal and neonatal brain abnormalities. , 0, , 209-231.		0
10	Pulsed Arterial Spin-Labeled MR Imaging Evaluation of Tuberous Sclerosis. American Journal of Neuroradiology, 2009, 30, 815-820.	1.2	20
11	The effect of daily caffeine use on cerebral blood flow: How much caffeine can we tolerate?. Human Brain Mapping, 2009, 30, 3102-3114.	1.9	150
12	Arterial spin labeling perfusion MRI in pediatric arterial ischemic stroke: Initial experiences. Journal of Magnetic Resonance Imaging, 2009, 29, 282-290.	1.9	83
13	Arterial Spin-Labeled MR Perfusion Imaging: Clinical Applications. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 315-338.	0.6	135
14	Noninvasive Cerebral Perfusion Imaging in High-Risk Neonates. Seminars in Perinatology, 2010, 34, 46-56.	1.1	54
16	Effects of CBV, CBF, and blood-brain barrier permeability on accuracy of PASL and VASO measurement. Magnetic Resonance in Medicine, 2010, 63, 601-608.	1.9	21
17	Arterial spin labeling in neuroimaging. World Journal of Radiology, 2010, 2, 384.	0.5	161
18	Quantification Issues in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2010, 21, 65-73.	0.7	63
19	Neuroimaging of hypoxic-ischemic brain injury. NeuroRehabilitation, 2010, 26, 15-25.	0.5	12

#	ARTICLE	IF	CITATIONS
20	Optical measurement of cerebral hemodynamics and oxygen metabolism in neonates with congenital heart defects. <i>Journal of Biomedical Optics</i> , 2010, 15, 037004.	1.4	157
21	Imaging of Hypoxic-Ischemic Encephalopathy in the Full-Term Neonate. , 2010, , 71-83.		1
22	Perfusion MRI Demonstrates Crossed-Cerebellar Diaschisis in Sickle Cell Disease. <i>Pediatric Neurology</i> , 2010, 42, 437-440.	1.0	13
23	Gender differences in partial-volume corrected brain perfusion using brain MRI in healthy children. <i>NeuroImage</i> , 2011, 58, 709-715.	2.1	24
24	Neurodevelopment of the visual system in typically developing children. <i>Progress in Brain Research</i> , 2011, 189, 113-136.	0.9	37
25	Intra- and Multicenter Reproducibility of Pulsed, Continuous and Pseudo-Continuous Arterial Spin Labeling Methods for Measuring Cerebral Perfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1706-1715.	2.4	127
26	Newer CT applications and their alternatives: what is appropriate in children?. <i>Pediatric Radiology</i> , 2011, 41, 534-548.	1.1	24
27	Correlation between gray matter density-adjusted brain perfusion and age using brain MR images of 202 healthy children. <i>Human Brain Mapping</i> , 2011, 32, 1973-1985.	1.9	84
28	Phase-Contrast Magnetic Resonance Angiography Measurements of Global Cerebral Blood Flow in the Neonate. <i>Pediatric Research</i> , 2011, 69, 544-547.	1.1	22
29	Longitudinal Reproducibility and Accuracy of Pseudo-Continuous Arterial Spin-labeled Perfusion MR Imaging in Typically Developing Children. <i>Radiology</i> , 2012, 263, 527-536.	3.6	86
30	Brain Development in Childhood. <i>Open Neuroimaging Journal</i> , 2012, 6, 103-110.	0.2	16
31	Reduced resolution transit delay prescan for quantitative continuous arterial spin labeling perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1252-1265.	1.9	146
32	Arterial spin labeling MRI study of age and gender effects on brain perfusion hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 912-922.	1.9	156
33	MR perfusion imaging by alternate slab width inversion recovery arterial spin labeling (AIRASL): a technique with higher signal-to-noise ratio at 3.0T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 103-111.	1.1	5
34	At-risk brain tissue identified with arterial spin labeling in neurotuberculosis. <i>Pediatric Radiology</i> , 2013, 43, 1049-1052.	1.1	4
37	Conventional and Advanced MRI Features of Pediatric Intracranial Tumors: Supratentorial Tumors. <i>American Journal of Roentgenology</i> , 2013, 200, W483-W503.	1.0	92
38	Full-Term Neonates with Hypoxic-Ischemic Encephalopathy: Evidence-Based Neuroimaging. , 2013, , 317-330.		1
39	A Novel Mutation in the Mitochondrial DNA Cytochrome <i>b</i> Gene (<i>MTCYB</i>) in a Patient With Mitochondrial Encephalomyopathy, Lactic Acidosis, and Strokelike Episodes Syndrome. <i>Journal of Child Neurology</i> , 2013, 28, 236-242.	0.7	38

#	ARTICLE	IF	CITATIONS
40	Sickle Cell Anemia: Reference Values of Cerebral Blood Flow Determined by Continuous Arterial Spin Labeling MRI. <i>Neuroradiology Journal</i> , 2013, 26, 191-200.	0.6	15
41	MR perfusion imaging in pediatrics. , 0, , 326-348.		2
43	Measurement of brain perfusion in newborns: Pulsed arterial spin labeling (PASL) versus pseudo-continuous arterial spin labeling (pCASL). <i>NeuroImage: Clinical</i> , 2014, 6, 126-133.	1.4	38
44	Developmental changes in resting and functional cerebral blood flow and their relationship to the BOLD response. <i>Human Brain Mapping</i> , 2014, 35, 3188-3198.	1.9	17
45	Arterial Spin-Labeled Perfusion of Pediatric Brain Tumors. <i>American Journal of Neuroradiology</i> , 2014, 35, 395-401.	1.2	114
46	Hydrocephalus Decreases Arterial Spin-Labeled Cerebral Perfusion. <i>American Journal of Neuroradiology</i> , 2014, 35, 1433-1439.	1.2	32
47	Accelerated white matter aging in schizophrenia: role of white matter blood perfusion. <i>Neurobiology of Aging</i> , 2014, 35, 2411-2418.	1.5	42
48	Near-infrared spectroscopy versus magnetic resonance imaging to study brain perfusion in newborns with hypoxic-ischemic encephalopathy treated with hypothermia. <i>NeuroImage</i> , 2014, 85, 287-293.	2.1	93
49	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. <i>Human Brain Mapping</i> , 2015, 36, 3793-3804.	1.9	28
50	Blood-brain barrier and cerebral blood flow: Age differences in hemorrhagic stroke. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1550045.	0.5	2
51	Cerebral blood flow measurements in infants using look-locker arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1591-1600.	1.9	25
52	Injury and repair in perinatal brain injury: Insights from non-invasive MR perfusion imaging. <i>Seminars in Perinatology</i> , 2015, 39, 124-129.	1.1	15
53	Advances in Pediatric Neuroimaging. <i>Indian Journal of Pediatrics</i> , 2015, 82, 154-165.	0.3	3
54	MRI evaluation and safety in the developing brain. <i>Seminars in Perinatology</i> , 2015, 39, 73-104.	1.1	103
55	Update on neuroimaging phenotypes of mid-hindbrain malformations. <i>Neuroradiology</i> , 2015, 57, 113-138.	1.1	45
56	Decomposing cerebral blood flow MRI into functional and structural components: A non-local approach based on prediction. <i>NeuroImage</i> , 2015, 105, 156-170.	2.1	13
57	Quantitative measurement of blood flow in paediatric brain tumours—a comparative study of dynamic susceptibility contrast and multi time-point arterial spin labelled MRI. <i>British Journal of Radiology</i> , 2016, 89, 20150624.	1.0	15
58	Developmental trajectories of cerebral blood flow and oxidative metabolism at baseline and during working memory tasks. <i>NeuroImage</i> , 2016, 134, 587-596.	2.1	12

#	ARTICLE	IF	CITATIONS
59	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Performed in Acute Perinatal Stroke Reveals Hyperperfusion Associated With Ischemic Injury. <i>Stroke</i> , 2016, 47, 1514-1519.	1.0	30
60	Cerebral venous circulatory disturbance as an informative prognostic marker for neonatal hemorrhagic stroke. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
61	Silent Vascular Catastrophes in the Brain in Term Newborns: Strategies for Optical Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 88-101.	1.9	9
62	Arterial Spin Labeling Techniques 2009â€“2014. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2016, 47, 98-107.	0.2	4
63	Arterial spin labeling in clinical pediatric imaging. <i>Diagnostic and Interventional Imaging</i> , 2016, 97, 151-158.	1.8	36
64	Ageâ€“associated patterns in gray matter volume, cerebral perfusion and BOLD oscillations in children and adolescents. <i>Human Brain Mapping</i> , 2017, 38, 2398-2407.	1.9	11
65	Arterial spin-labeling perfusion imaging of children with subdural hemorrhage: Perfusion abnormalities in abusive head trauma. <i>Journal of Neuroradiology</i> , 2017, 44, 281-287.	0.6	20
66	Cerebral Perfusion Changes in Post-Concussion Syndrome: A Prospective Controlled Cohort Study. <i>Journal of Neurotrauma</i> , 2017, 34, 996-1004.	1.7	82
67	Assessment of cerebral blood perfusion reserve with acetazolamide using 3D spiral ASL MRI: Preliminary experience in pediatric patients. <i>Magnetic Resonance Imaging</i> , 2017, 35, 132-140.	1.0	18
68	A qualitative comparison of arterial spin labelling and dynamic susceptibility contrast MRI in 52 children with a range of neurological conditions. <i>British Journal of Radiology</i> , 2017, 90, 20160495.	1.0	10
69	Neuroimaging in the Evaluation of Pattern and Timing of Fetal and Neonatal Brain Abnormalities. , 0, , 283-311.		0
70	Arterial spin labeling provides a reliable neurobiological marker of autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 2018, 10, 32.	1.5	20
71	Cerebral Blood Flow and Marrow Diffusion Alterations in Children with Sickle Cell Anemia after Bone Marrow Transplantation and Transfusion. <i>American Journal of Neuroradiology</i> , 2018, 39, 2132-2139.	1.2	11
73	Hemodynamic and Metabolic Assessment of Neonates With Punctate White Matter Lesions Using Phase-Contrast MRI and T2-Relaxation-Under-Spin-Tagging (TRUST) MRI. <i>Frontiers in Physiology</i> , 2018, 9, 233.	1.3	12
74	Transient Neurologic Deficit without Vascular Pathology Correlates with Reversible Focal Hypoperfusion on Arterial Spin Labeled Perfusion Imaging. <i>Journal of Pediatric Neurology</i> , 2019, 17, 089-094.	0.0	0
75	Changes in brain perfusion in successive arterial spin labeling MRI scans in neonates with hypoxic-ischemic encephalopathy. <i>NeuroImage: Clinical</i> , 2019, 24, 101939.	1.4	21
76	Cerebral blood flow imbalance is associated with motor outcome after pediatric arterial ischemic stroke. <i>PLoS ONE</i> , 2019, 14, e0223584.	1.1	6
77	Diagnostic usefulness of arterial spin labeling in MR negative children with new onset seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 65, 151-158.	0.9	26

#	ARTICLE	IF	CITATIONS
78	Recent Advances in Pediatric Brain, Spine, and Neuromuscular Magnetic Resonance Imaging Techniques. <i>Pediatric Neurology</i> , 2019, 96, 7-23.	1.0	8
79	Arterial spin-labeling magnetic resonance imaging of brain maturation in early childhood: Mathematical model fitting to assess age-dependent change of cerebral blood flow. <i>Magnetic Resonance Imaging</i> , 2019, 59, 114-120.	1.0	9
80	Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 486-492.	0.8	19
81	Comparison of CBF Measured with Combined Velocity-Selective Arterial Spin-Labeling and Pulsed Arterial Spin-Labeling to Blood Flow Patterns Assessed by Conventional Angiography in Pediatric Moyamoya. <i>American Journal of Neuroradiology</i> , 2019, 40, 1842-1849.	1.2	20
82	Arterial Spin Labeling in Pediatric Neuroimaging. <i>Seminars in Pediatric Neurology</i> , 2020, 33, 100799.	1.0	10
83	Anoxic Brain Injury Detection with the Normalized Diffusion to ASL Perfusion Ratio: Implications for Blood-Brain Barrier Injury and Permeability. <i>American Journal of Neuroradiology</i> , 2020, 41, 598-606.	1.2	7
84	Pediatric Neurovascular Conditions. , 2021, , 7-35.		0
85	Cerebral Blood Flow of the Neonatal Brain after Hypoxic-Ischemic Injury. <i>American Journal of Perinatology</i> , 2023, 40, 475-488.	0.6	8
86	Cerebral Blood Flow Predicts Recovery in Children with Persistent Post-Concussion Symptoms after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2275-2283.	1.7	8
87	Clinical Applications of MR Perfusion Imaging. , 2011, , 71-105.		2
88	Cerebrovascular Diseases in Infants and Children: General Imaging Principles. , 2016, , 1-48.		1
89	Fetal brain during a binge drinking episode: a dynamic susceptibility contrast MRI fetal brain perfusion study. <i>NeuroReport</i> , 2010, 21, 716-721.	0.6	16
90	Relationships between Cerebral Blood Flow and IQ in Typically Developing Children and Adolescents. <i>Journal of Cognitive Science</i> , 2011, 12, 151-170.	0.2	19
91	Cerebral Perfusion After Repair of Congenital Diaphragmatic Hernia with Common Carotid Artery Occlusion After ECMO Therapy. <i>In Vivo</i> , 2017, 31, 557-564.	0.6	4
93	Tumors of the Brain and Spinal Cord. , 2009, , 601-720.		2
94	Advanced Magnetic Resonance Neuroimaging Techniques in the Neonate with a Focus on Hemodynamic-Related Brain Injury. , 2012, , 187-198.		0
96	Developmental patterns of CBF and BOLD responses to visual stimulus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 630-640.	2.4	2
97	Noncontrast Pediatric Brain Perfusion. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 493-513.	0.6	4

#	ARTICLE	IF	CITATIONS
99	Clinical applications of arterial spin labeling of the intracranial compartment in vascular anomalies – A case-based review. <i>Neuroradiology Journal</i> , 2023, 36, 638-650.	0.6	0
100	Étude de la perfusion cérébrale par Arterial Spin Labeling: principes et applications en neurosciences cliniques. , 2013, Volume 5, 135-141.	0.0	0