

4D flow MRI for intracranial hemodynamics assessment

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hemodynamic Measurement Using Four-Dimensional Phase-Contrast MRI: Quantification of Hemodynamic Parameters and Clinical Applications. Korean Journal of Radiology, 2016, 17, 445.	3.4	35
2	Four-dimensional MRI flow examinations in cerebral and extracerebral vessels “ ready for clinical routine?. Current Opinion in Neurology, 2016, 29, 419-428.	3.6	43
3	Neurovascular 4DFlow MRI (Phase Contrast MRA): emerging clinical applications. Neurovascular Imaging, 2016, 2, .	2.4	19
4	Reduced Cerebral Blood Flow in Mild Cognitive Impairment Assessed Using Phase-Contrast MRI. Journal of Alzheimer's Disease, 2017, 58, 585-595.	2.6	34
5	A Stereotactic Probabilistic Atlas for the Major Cerebral Arteries. Neuroinformatics, 2017, 15, 101-110.	2.8	25
6	Macrovascular and microvascular cerebral blood flow in adults at risk for Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 7, 48-55.	2.4	31
7	Insulin resistance is associated with lower arterial blood flow and reduced cortical perfusion in cognitively asymptomatic middle-aged adults. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2249-2261.	4.3	46
8	Regional hypoxic cerebral vasodilation facilitated by diameter changes primarily in anterior versus posterior circulation. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2025-2034.	4.3	28
9	Cerebral Hemodynamics in Mild Cognitive Impairment: A Systematic Review. Journal of Alzheimer's Disease, 2017, 59, 369-385.	2.6	90
10	The Paravascular Pathway for Brain Waste Clearance: Current Understanding, Significance and Controversy. Frontiers in Neuroanatomy, 2017, 11, 101.	1.7	120
11	Intracranial Arterial 4D Flow in Individuals with Mild Cognitive Impairment is Associated with Cognitive Performance and Amyloid Positivity. Journal of Alzheimer's Disease, 2017, 60, 243-252.	2.6	15
12	4D Flow MRI. , 2018, , 187-212.		3
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14	Subject-specific multi-poroelastic model for exploring the risk factors associated with the early stages of Alzheimer's disease. Interface Focus, 2018, 8, 20170019.	3.0	49
15	Associations of Pulse and Blood Pressure with Hippocampal Volume by APOE and Cognitive Phenotype: The Alzheimer's Disease Neuroimaging Initiative (ADNI). Dementia and Geriatric Cognitive Disorders, 2018, 45, 66-78.	1.5	8
16	Comparison of ferumoxytol-based cerebral blood volume estimates using quantitative R <sub>2</sub> * and relaxometry. Magnetic Resonance in Medicine, 2018, 79, 3072-3081.	3.0	7
17	Intracranial pulsatility in patients with cerebral small vessel disease: a systematic review. Clinical Science, 2018, 132, 157-171.	4.3	46
18	Vascular Health is Associated with Amyloid- $\beta$ in Cognitively Normal Older Adults. Journal of Alzheimer's Disease, 2019, 70, 467-475.	2.6	12

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19	Cerebral Artery Hypoplasia in a Select Adult Kenyan Population. Journal of Neurosciences in Rural Practice, 2019, 10, 423-429.	0.8	2
20	Association of Cardiovascular and Alzheimer's Disease Risk Factors with Intracranial Arterial Blood Flow in Whites and African Americans. Journal of Alzheimer's Disease, 2019, 72, 919-929.	2.6	14
21	Standardized Evaluation of Cerebral Arteriovenous Malformations Using Flow Distribution Network Graphs and Dual-Phase 4D Flow MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 1718-1730.	3.4	28
22	Vascular Dysfunction in Alzheimer's Disease: A Prelude to the Pathological Process or a Consequence of It?. Journal of Clinical Medicine, 2019, 8, 651.	2.4	131
23	Quantification of Hemodynamic Parameters Using Four-Dimensional Flow MRI. Journal of the Korean Society of Radiology, 2019, 80, 239.	0.2	3
24	Assessing test-retest reliability of phase contrast MRI for measuring cerebrospinal fluid and cerebral blood flow dynamics. Magnetic Resonance in Medicine, 2019, 82, 658-670.	3.0	30
25	An Integrated View on Vascular Dysfunction in Alzheimer's Disease. Neurodegenerative Diseases, 2019, 19, 109-127.	1.4	62
26	Measuring the Interaction Between the Macro- and Micro-Vasculature. Frontiers in Cardiovascular Medicine, 2019, 6, 169.	2.4	31
27	Higher Pulsatility in Cerebral Perforating Arteries in Patients With Small Vessel Disease Related Stroke, a 7T MRI Study. Stroke, 2019, 50, 62-68.	2.0	65
28	Phase contrast MRI of creeping flows using stimulated echo. Journal of Magnetic Resonance, 2019, 299, 49-58.	2.1	12
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30	Vascular dysfunction—The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.8	454
31	Assessment of Cerebral Blood Flow Pulsatility and Cerebral Arterial Compliance With 4D Flow MRI. Journal of Magnetic Resonance Imaging, 2020, 51, 1516-1525.	3.4	27
32	Characterizing pulsatility in distal cerebral arteries using 4D flow MRI. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2429-2440.	4.3	20
33	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. Alzheimer's and Dementia, 2020, 16, 1714-1733.	0.8	108
34	Age, sex, and the vascular contributors to cerebral pulsatility and pulsatile damping. Journal of Applied Physiology, 2020, 129, 1092-1101.	2.5	33
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38	Assessment of vascular stiffness in the internal carotid artery proximal to the carotid canal in Alzheimer's disease using pulse wave velocity from low rank reconstructed 4D flow MRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 298-311.	4.3	34
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42	Cerebral arterial pulsatility is linked to hippocampal microvascular function and episodic memory in healthy older adults. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1778-1790.	4.3	26
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44	Uses of Human MR and PET Imaging in Research of Neurodegenerative Brain Diseases. Neurotherapeutics, 2021, 18, 661-672.	4.4	9
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54	Cardiorespiratory Fitness Associates with Cerebral Vessel Pulsatility in a Cohort Enriched with Risk for Alzheimer's Disease. Brain Plasticity, 2020, 5, 175-184.	3.5	3

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56	Cerebrovascular stiffness and flow dynamics in the presence of amyloid and tau biomarkers. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12253.	2.4	4
57	The Impact of Aging on the Association Between Aortic Stiffness and Cerebral Pulsatility Index. Frontiers in Cardiovascular Medicine, 2022, 9, 821151.	2.4	14
58	Intracranial Blood Flow Quantification by Accelerated Dualâ€‹i>venc</i> 4D</scp> Flow <scp>MRI</scp>: Comparison With Transcranial Doppler Ultrasound. Journal of Magnetic Resonance Imaging, 2022, 56, 1256-1264.	3.4	3
59	Physics-Informed Neural Networks for Brain Hemodynamic Predictions Using Medical Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 2285-2303.	8.9	24
60	Intracranial Flow Velocity Quantification Using Non-Contrast Four-Dimensional Flow MRI: A Prospective Comparative Study with Transcranial Doppler Ultrasound. Diagnostics, 2022, 12, 23.	2.6	2
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66	Vascular contributions to Alzheimer's disease. Translational Research, 2023, 254, 41-53.	5.0	26
67	Normative Cerebral Hemodynamics in Middle-aged and Older Adults Using 4D Flow MRI: Initial Analysis of Vascular Aging. Radiology, 2023, 307, .	7.3	10
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73	Four-dimensional flow MRI for quantitative assessment of cerebrospinal fluid dynamics: Status and opportunities. NMR in Biomedicine, 0, , .	2.8	0
74	Cerebrovascular adaptations to habitual resistance exercise with aging. American Journal of Physiology - Heart and Circulatory Physiology, 2024, 326, H772-H785.	3.2	0
75	Associations of Intracranial Artery Length and Branch Number on Time-of-Flight <scp>MRA</scp> With Cognitive Impairment in Hypertensive Older Males. Journal of Magnetic Resonance Imaging, 0, , .	3.4	2
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