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Human cerebral autoregulation before, during and after spaceflight

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#	Paper	IF	Citations
97	Space motion sickness: The sensory motor controls and cardiovascular correlation. <i>Acta Astronautica</i> , <b>2008</b> , 63, 745-757	2.9	17
96	Effect of thigh cuffs on haemodynamic changes of the middle cerebral artery and on orthostatic intolerance induced by 10 days head-down bed rest. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 1178-82	3	2
95	Regulation of middle cerebral artery blood velocity during dynamic exercise in humans: influence of aging. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 266-73	3.7	49
94	Differential effects of acute hypoxia and high altitude on cerebral blood flow velocity and dynamic cerebral autoregulation: alterations with hyperoxia. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 490-8	3.7	42
93	Contrasting effects of simulated microgravity with and without daily -Gx gravitation on structure and function of cerebral and mesenteric small arteries in rats. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1710-21	3.7	32
92	Altered free radical metabolism in acute mountain sickness: implications for dynamic cerebral autoregulation and blood-brain barrier function. <i>Journal of Physiology</i> , <b>2009</b> , 587, 73-85	3.9	78
91	[Preface: Hygienic study in the field of space medicine]. <i>Japanese Journal of Hygiene</i> , <b>2010</b> , 65, 477-8	0.2	
90	How and why does the proteome respond to microgravity?. <i>Expert Review of Proteomics</i> , <b>2011</b> , 8, 13-27	4.2	51
89	Artificial gravity with ergometric exercise preserves the cardiac, but not cerebrovascular, functions during 4 days of head-down bed rest. <i>Cytokine</i> , <b>2011</b> , 56, 648-55	4	19
88	Optic disc edema, globe flattening, choroidal folds, and hyperopic shifts observed in astronauts after long-duration space flight. <i>Ophthalmology</i> , <b>2011</b> , 118, 2058-69	7.3	444
87	[Approach to elucidating the influences and factors affecting circulation system in humans in space environment]. <i>Japanese Journal of Hygiene</i> , <b>2011</b> , 66, 568-72	0.2	
86	Nitric oxide synthase activity in the abdominal aorta of rats is decreased after 4 weeks of simulated microgravity. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2011</b> , 38, 683-7	3	10
85	Impaired dynamic cerebral autoregulation at extreme high altitude even after acclimatization. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 283-92	7.3	28
84	Impairment of cerebral blood flow regulation in astronauts with orthostatic intolerance after flight. <i>Stroke</i> , <b>2011</b> , 42, 1844-50	6.7	81
83	Impaired cerebrovascular autoregulation and reduced CO <sub>2</sub> reactivity after long duration spaceflight. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 302, H2592-8	5.2	54
82	Exercise plus volume loading prevents orthostatic intolerance but not reduction in cerebral blood flow velocity after bed rest. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 302, H489-97	5.2	23
81	Imaging of neuro-cognitive performance in extreme Environments (p)review. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 135-141	2	2

80	Using the Moon as a high-fidelity analogue environment to study biological and behavioral effects of long-duration space exploration. <i>Planetary and Space Science</i> , <b>2012</b> , 74, 111-120	2	24
79	Cerebral circulation during mild +Gz hypergravity by short-arm human centrifuge. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 266-71	3.7	10
78	Region-specific vascular remodeling and its prevention by artificial gravity in weightless environment. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 2873-95	3.4	43
77	Cerebrovascular autoregulation: lessons learned from spaceflight research. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1909-17	3.4	43
76	Maximizing information from space data resources: a case for expanding integration across research disciplines. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1645-54	3.4	31
75	Spaceflight-induced alterations in cerebral artery vasoconstrictor, mechanical, and structural properties: implications for elevated cerebral perfusion and intracranial pressure. <i>FASEB Journal</i> , <b>2013</b> , 27, 2282-92	0.9	72
74	Study protocol to examine the effects of spaceflight and a spaceflight analog on neurocognitive performance: extent, longevity, and neural bases. <i>BMC Neurology</i> , <b>2013</b> , 13, 205	3.1	55
73	Ophthalmic changes and increased intracranial pressure associated with long duration spaceflight: An emerging understanding. <i>Acta Astronautica</i> , <b>2013</b> , 87, 77-87	2.9	55
72	Neuronal Activity in the Subthalamic Cerebrovasodilator Area under Partial-Gravity Conditions in Rats. <i>Life</i> , <b>2014</b> , 4, 107-16	3	1
71	Microgravity-induced fluid shift and ophthalmic changes. <i>Life</i> , <b>2014</b> , 4, 621-65	3	74
70	Cineradiographic analysis of mouse postural response to alteration of gravity and jerk (gravity deceleration rate). <i>Life</i> , <b>2014</b> , 4, 174-88	3	2
69	Transfer function analysis for the assessment of cerebral autoregulation using spontaneous oscillations in blood pressure and cerebral blood flow. <i>Medical Engineering and Physics</i> , <b>2014</b> , 36, 563-75	2.4	40
68	Dynamic cerebral autoregulation after bed rest: effects of volume loading and exercise countermeasures. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 24-31	3.7	15
67	Reply to Zhang. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1244	3.7	1
66	MR-derived cerebral spinal fluid hydrodynamics as a marker and a risk factor for intracranial hypertension in astronauts exposed to microgravity. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 1560-71	5.6	18
65	Effect of Simulated Microgravity on Human Brain Gray Matter and White Matter--Evidence from MRI. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135835	3.7	34
64	Transcutaneous electrical acupuncture stimulation as a countermeasure against cardiovascular deconditioning during 4 days of head-down bed rest in humans. <i>Acupuncture in Medicine</i> , <b>2015</b> , 33, 381-7	1.9	8
63	Spaceflight on the Bion-M1 biosatellite alters cerebral artery vasomotor and mechanical properties in mice. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 830-8	3.7	30

62	Neuro-Ophthalmology of Space Flight. <i>Journal of Neuro-Ophthalmology</i> , <b>2016</b> , 36, 85-91	2.6	44
61	Respiratory modulation of human autonomic function: long-term neuroplasticity in space. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5629-46	3.9	8
60	Analogs of microgravity: head-down tilt and water immersion. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 904-14	3.7	60
59	Towards human exploration of space: the THESEUS review series on cardiovascular, respiratory, and renal research priorities. <i>Npj Microgravity</i> , <b>2016</b> , 2, 16031	5.3	31
58	Effects of short-term exposure to head-down tilt on cerebral hemodynamics: a prospective evaluation of a spaceflight analog using phase-contrast MRI. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 1466-73	3.7	33
57	The relationship between widespread changes in gravity and cerebral blood flow. <i>Environmental Health and Preventive Medicine</i> , <b>2016</b> , 21, 186-92	4.2	6
56	Neuro-ophthalmologic Sequelae of Sustained Microgravity. <i>Essentials in Ophthalmology</i> , <b>2017</b> , 1-14	0.2	
55	Internal carotid, external carotid and vertebral artery blood flow responses to 3 days of head-out dry immersion. <i>Experimental Physiology</i> , <b>2017</b> , 102, 1278-1287	2.4	11
54	Impacts of Simulated Weightlessness by Dry Immersion on Optic Nerve Sheath Diameter and Cerebral Autoregulation. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 780	4.6	17
53	Space flight-associated neuro-ocular syndrome (SANS). <i>Eye</i> , <b>2018</b> , 32, 1164-1167	4.4	64
52	Wearable brain imaging with multimodal physiological monitoring. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 564-572	3.7	20
51	Spaceflight-Induced Intracranial Hypertension and Visual Impairment: Pathophysiology and Countermeasures. <i>Physiological Reviews</i> , <b>2018</b> , 98, 59-87	47.9	115
50	The effect of mild decrement in plasma volume simulating short-duration spaceflight on intracranial pressure. <i>Npj Microgravity</i> , <b>2018</b> , 4, 19	5.3	3
49	Dynamic cerebral autoregulation after confinement in an isolated environment for 14 days. <i>Environmental Health and Preventive Medicine</i> , <b>2018</b> , 23, 61	4.2	1
48	Spaceflight Induced Changes in the Central Nervous System. <b>2018</b> ,		2
47	Medications in Space: In Search of a Pharmacologist's Guide to the Galaxy. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 148	4.5	21
46	Letter: Neurosurgery and Manned Spaceflight. <i>Neurosurgery</i> , <b>2019</b> , 85, E158	3.2	2
45	Effects of Resistance Exercise and Nutritional Supplementation on Dynamic Cerebral Autoregulation in Head-Down Bed Rest. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1114	4.6	11

44	Human Response to Space Flight. <b>2019</b> , 367-411		4
43	Current concepts of cerebrospinal fluid dynamics and the translaminar cribrosa pressure gradient: a paradigm of optic disk disease. <i>Survey of Ophthalmology</i> , <b>2020</b> , 65, 48-66	6.1	13
42	Arterial and venous cerebral blood flow responses to long-term head-down bed rest in male volunteers. <i>Experimental Physiology</i> , <b>2020</b> , 105, 44-52	2.4	6
41	Spaceflight associated neuro-ocular syndrome. <i>Current Opinion in Neurology</i> , <b>2020</b> , 33, 62-67	7.1	8
40	Spaceflight-Associated Neuro-ocular Syndrome (SANS): a review of proposed mechanisms and analogs. <i>Expert Review of Ophthalmology</i> , <b>2020</b> , 15, 249-258	1.5	
39	Vascular and Microvascular Dysfunction Induced by Microgravity and Its Analogs in Humans: Mechanisms and Countermeasures. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 952	4.6	13
38	Comprehensive Analysis of Macrocirculation and Microcirculation in Microgravity During Parabolic Flights. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 960	4.6	2
37	Cerebrovascular reactivity: a new frontier for measuring cognitive health in models of accelerated ageing?. <i>Journal of Physiology</i> , <b>2020</b> , 598, 3323-3325	3.9	
36	Cerebral Blood Flow Is Reduced in Severe Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Patients During Mild Orthostatic Stress Testing: An Exploratory Study at 20 Degrees of Head-Up Tilt Testing. <i>Healthcare (Switzerland)</i> , <b>2020</b> , 8,	3.4	14
35	The short-term effects of sedentary behaviour on cerebral hemodynamics and cognitive performance in older adults: a cross-over design on the potential impact of mental and/or physical activity. <i>Alzheimers Research and Therapy</i> , <b>2020</b> , 12, 76	9	19
34	Gravitational Transitions Increase Posterior Cerebral Perfusion and Systemic Oxidative-nitrosative Stress: Implications for Neurovascular Unit Integrity. <i>Neuroscience</i> , <b>2020</b> , 441, 142-160	3.9	4
33	Unchanged cerebrovascular CO reactivity and hypercapnic ventilatory response during strict head-down tilt bed rest in a mild hypercapnic environment. <i>Journal of Physiology</i> , <b>2020</b> , 598, 2491-2505	3.9	17
32	Impacts of Microgravity Analogs to Spaceflight on Cerebral Autoregulation. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 778	4.6	12
31	miR-137 and its target T-type Ca 3.1 channel modulate dedifferentiation and proliferation of cerebrovascular smooth muscle cells in simulated microgravity rats by regulating calcineurin/NFAT pathway. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12774	7.9	8
30	Long-duration spaceflight alters estimated intracranial pressure and cerebral blood velocity. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1067-1081	3.9	9
29	Alterations in Cerebral Hemodynamics During Microgravity: A Literature Review. <i>Medical Science Monitor</i> , <b>2021</b> , 27, e928108	3.2	3
28	Dynamic disequilibrium of macromolecular transport as possible mechanism for hydrocephalus associated with long-term spaceflight. <i>Brain Research</i> , <b>2021</b> , 1753, 147229	3.7	0
27	Neurophysiological adaptations to spaceflight and simulated microgravity. <i>Clinical Neurophysiology</i> , <b>2021</b> , 132, 498-504	4.3	11

26	Comparison of Internal Jugular Vein Cross-Section Area During a Russian Tilt-Table Protocol and Microgravity. <i>Aerospace Medicine and Human Performance</i> , <b>2021</b> , 92, 207-211	1.1	0
25	Peripheral nerve adaptations to 10 days of horizontal bed rest in healthy young adult males. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R495-R503 <sup>3,2</sup>		1
24	Lower body negative pressure reduces jugular and portal vein volumes and counteracts the elevation of middle cerebral vein velocity during long-duration spaceflight. <i>Journal of Applied Physiology</i> , <b>2021</b> , 131, 1080-1087	3.7	3
23	Cardiovascular Deconditioning and Exercise. <b>2021</b> , 129-153		
22	Reviving lower body negative pressure as a countermeasure to prevent pathological vascular and ocular changes in microgravity. <i>Npj Microgravity</i> , <b>2020</b> , 6, 38	5.3	5
21	Spaceflight associated neuro-ocular syndrome (SANS) and the neuro-ophthalmologic effects of microgravity: a review and an update. <i>Npj Microgravity</i> , <b>2020</b> , 6, 7	5.3	53
20	?????. <i>Journal of the Nihon University Medical Association</i> , <b>2009</b> , 68, 60-63	0	
19	Pathophysiology of Syncope. <b>2011</b> , 15-25		1
18	Current Topics in Space Medicine. <i>Journal of the Nihon University Medical Association</i> , <b>2015</b> , 74, 82-83	0	
17	Clinical Conditions. <i>SpringerBriefs in Bioengineering</i> , <b>2016</b> , 75-119	0.2	1
16	Encyclopedia of Bioastronautics. <b>2019</b> , 1-19		3
15	Ophthalmologic Concerns. <b>2019</b> , 841-859		1
14	Cardiovascular Deconditioning and Exercise. <b>2020</b> , 1-20		
13	Reducing incapacitating symptoms during space flight: is postural deficiency syndrome an applicable model?. <i>Hippokratia</i> , <b>2008</b> , 12 Suppl 1, 41-8	0.4	3
12	THE BERT & PEGGY DUPONT LECTURE: THE HUMAN IN SPACE: A NEW PHYSIOLOGY. <i>Transactions of the American Clinical and Climatological Association</i> , <b>2020</b> , 131, 201-234	0.9	
11	Spaceflight-associated neuro-ocular syndrome: a review of potential pathogenesis and intervention.. <i>International Journal of Ophthalmology</i> , <b>2022</b> , 15, 336-341	1.4	0
10	Cardiovascular autonomic nervous system responses and orthostatic intolerance in astronauts and their relevance in daily medicine.. <i>Neurological Sciences</i> , <b>2022</b> , 1	3.5	0
9	Hind-limb unloading in rodents: Current evidence and perspectives. <i>Acta Astronautica</i> , <b>2022</b> ,	2.9	1

- 8 Effects of -10° and -30° head-down tilt on cerebral blood velocity, dynamic cerebral autoregulation and non-invasively estimated intracranial pressure.. *Journal of Applied Physiology*, **2022**, 3:7 1
- 7 Gravity as a Factor in Evolutionary Adaptation of Animals to Living on the Earth. *Human Physiology*, **2021**, 47, 716-734 0.3
- 6 Table\_1.pdf. **2020**,
- 5 Image\_1.tiff. **2020**,
- 4 Recent trends in Space Medicine. *Journal of the Nihon University Medical Association*, **2022**, 81, 119-121 0
- 3 Cerebral Hemodynamics During Exposure to Hypergravity (+Gz) or Microgravity (0 G). *Aerospace Medicine and Human Performance*, **2022**, 93, 581-592 1.1
- 2 Implementation of exercise countermeasures during spaceflight and microgravity analogue studies: Developing countermeasure protocols for bedrest in older adults (BROA). 13, 1
- 1 Steady-state cerebral blood flow and dynamic cerebral autoregulation during neck flexion and extension in seated healthy young adults. **2023**, 11, 0