

# Anatomy and function of the vertebral column lymphatics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Clearance of cerebrospinal fluid from the sacral spine through lymphatic vessels. <i>Journal of Experimental Medicine</i> , 2019, 216, 2492-2502.	4.2	80
2	Update December 2019. <i>Lymphatic Research and Biology</i> , 2019, 17, 680-695.	0.5	1
3	Glymphatic failure as a final common pathway to dementia. <i>Science</i> , 2020, 370, 50-56.	6.0	435
4	The Lymphatic Vasculature in the 21st Century: Novel Functional Roles in Homeostasis and Disease. <i>Cell</i> , 2020, 182, 270-296.	13.5	352
5	Glymphatic Cerebrospinal Fluid and Solute Transport Quantified by MRI and PET Imaging. <i>Neuroscience</i> , 2021, 474, 63-79.	1.1	51
6	Brain Glymphatic/Lymphatic Imaging by MRI and PET. <i>Nuclear Medicine and Molecular Imaging</i> , 2020, 54, 207-223.	0.6	15
7	Intrathecal <sup>99m</sup> Tc-DTPA imaging of molecular passage from lumbar cerebrospinal fluid to brain and periphery in humans. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12030.	1.2	17
8	Biological functions of lymphatic vessels. <i>Science</i> , 2020, 369, .	6.0	220
9	Emergence and Developmental Roles of the Cerebrospinal Fluid System. <i>Developmental Cell</i> , 2020, 52, 261-275.	3.1	126
10	Meningeal lymphatic network: The middleman of neuroinflammation. <i>Clinical and Experimental Neuroimmunology</i> , 2020, 11, 21-25.	0.5	3
11	Primary Spinal Epidural Abscesses Not Associated With Pyogenic Infectious Spondylodiscitis: A New Pathogenetic Hypothesis. <i>Frontiers in Surgery</i> , 2020, 7, 20.	0.6	7
12	Meningeal Lymphatics: From Anatomy to Central Nervous System Immune Surveillance. <i>Journal of Immunology</i> , 2020, 204, 286-293.	0.4	69
13	Spatial inference without a cognitive map: the role of higher-order path integration. <i>Biological Reviews</i> , 2021, 96, 52-65.	4.7	7
14	Cerebrospinal fluid outflow: a review of the historical and contemporary evidence for arachnoid villi, perineural routes, and dural lymphatics. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2429-2457.	2.4	180
15	Novel fluorescent staining protocol for thick sections of human osteochondral tissues to facilitate correlation with MRI and CT. <i>Skeletal Radiology</i> , 2021, 50, 2281-2288.	1.2	0
16	Organic solvent-based tissue clearing techniques and their applications. <i>Journal of Biophotonics</i> , 2021, 14, e202000413.	1.1	13
17	The lymphatic drainage system of the CNS plays a role in lymphatic drainage, immunity, and neuroinflammation in stroke. <i>Journal of Leukocyte Biology</i> , 2021, 110, 283-291.	1.5	15
18	CNS-Draining Meningeal Lymphatic Vasculature: Roles, Conundrums and Future Challenges. <i>Frontiers in Pharmacology</i> , 2021, 12, 655052.	1.6	33

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19	Mechanisms and cell lineages in lymphatic vascular development. <i>Angiogenesis</i> , 2021, 24, 271-288.	3.7	29
20	Fluid transport in the brain. <i>Physiological Reviews</i> , 2022, 102, 1025-1151.	13.1	192
21	T-cell infiltration, contribution and regulation in the central nervous system post-traumatic injury. <i>Cell Proliferation</i> , 2021, 54, e13092.	2.4	11
22	Neuroinflammation-Driven Lymphangiogenesis in CNS Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 683676.	1.8	9
23	Biochemical and mechanical signals in the lymphatic vasculature. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5903-5923.	2.4	14
24	Tissue clearing and 3D imaging – putting immune cells into context. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	6
25	<sc>DSCR1</sc> upregulation enhances dural meningeal lymphatic drainage to attenuate amyloid pathology of <sc>A</sc> Alzheimer's disease. <i>Journal of Pathology</i> , 2021, 255, 296-310.	2.1	14
26	Tissue clearing and 3D imaging in developmental biology. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	30
27	Cerebral small vessel disease: A glymphopathy?. <i>Current Opinion in Neurobiology</i> , 2022, 72, 15-21.	2.0	41
28	Autoimmune regulation of chronic pain. <i>Pain Reports</i> , 2021, 6, e905.	1.4	26
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30	Molecular trans-dural efflux to skull bone marrow in humans with CSF disorders. <i>Brain</i> , 2022, 145, 1464-1472.	3.7	27
32	A Brief Overview of the Cerebrospinal Fluid System and Its Implications for Brain and Spinal Cord Diseases. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 737217.	1.0	38
33	Immune dynamics in the CNS and its barriers during homeostasis and disease*. <i>Immunological Reviews</i> , 2022, 306, 58-75.	2.8	38
34	Modulation of lymphatic transport in the central nervous system. <i>Theranostics</i> , 2022, 12, 1117-1131.	4.6	13
35	Cardiovascular, Lymphatic, and Ocular Health in Space. <i>Life</i> , 2022, 12, 268.	1.1	5
36	Central nervous system zoning: How brain barriers establish subdivisions for CNS immune privilege and immune surveillance. <i>Journal of Internal Medicine</i> , 2022, 292, 47-67.	2.7	21
37	Sustained glymphatic transport and impaired drainage to the nasal cavity observed in multiciliated cell ciliopathies with hydrocephalus. <i>Fluids and Barriers of the CNS</i> , 2022, 19, 20.	2.4	9

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38	[64Cu]Cu-Albumin Clearance Imaging to Evaluate Lymphatic Efflux of Cerebrospinal Space Fluid in Mouse Model. <i>Nuclear Medicine and Molecular Imaging</i> , 2022, 56, 137-146.	0.6	4
39	3D imaging for driving cancer discovery. <i>EMBO Journal</i> , 2022, 41, e109675.	3.5	5
40	The meningeal lymphatic vessels and the glymphatic system: Potential therapeutic targets in neurological disorders. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1364-1382.	2.4	17
41	Intrathecal delivery and its applications in leptomeningeal disease. <i>Advanced Drug Delivery Reviews</i> , 2022, 186, 114338.	6.6	9
42	Immune response after central nervous system injury. <i>Seminars in Immunology</i> , 2022, 59, 101629.	2.7	19
43	Lymphatic vascular anomalies and dysfunction. , 2022, , 301-310.		0
44	Population pharmacokinetic modeling of CSF to blood clearance: prospective tracer study of 161 patients under work-up for CSF disorders. <i>Fluids and Barriers of the CNS</i> , 2022, 19, .	2.4	16
45	Conserved meningeal lymphatic drainage circuits in mice and humans. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	54
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49	The lymphatic system: a therapeutic target for central nervous system disorders. <i>Neural Regeneration Research</i> , 2023, 18, 1249.	1.6	7
51	Emerging Roles of Meningeal Lymphatic Vessels in Alzheimerâ€™s Disease. <i>Journal of Alzheimer's Disease</i> , 2023, 94, S355-S366.	1.2	8
52	Lymphatic vessels in bone support regeneration after injury. <i>Cell</i> , 2023, 186, 382-397.e24.	13.5	63
53	Characteristic Features of Deep Brain Lymphatic Vessels and Their Regulation by Chronic Stress. <i>Research</i> , 2023, 6, .	2.8	1
54	Open pathways for cerebrospinal fluid outflow at the cribriform plate along the olfactory nerves. <i>EBioMedicine</i> , 2023, 91, 104558.	2.7	17
55	Regional depot injection as a method of effective perioperative anesthesia during minimally invasive procedures. , 2022, , .		0
56	Lymphatic uptake of biotherapeutics through a 3D hybrid discrete-continuum vessel network in the skin tissue. <i>Journal of Controlled Release</i> , 2023, 354, 869-888.	4.8	6

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57	Whole CNS 3D Cryo-Fluorescence Tomography Shows CSF Clearance along Nasal Lymphatics, Spinal Nerves, and Lumbar/Sacral Lymph Nodes. <i>Journal of Imaging</i> , 2023, 9, 45.	1.7	3
58	Lymphatic vasculature in the central nervous system. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	5
59	Blockade of VEGFR3 signaling leads to functional impairment of dural lymphatic vessels without affecting autoimmune neuroinflammation. <i>Science Immunology</i> , 2023, 8, .	5.6	10
64	Physiological brain pulsations. , 2023, , 131-153.		0
65	Lympe und Gehirn. , 2023, , 285-294.		0
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76	Lymphatic vessel: origin, heterogeneity, biological functions, and therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2024, 9, .	7.1	2