

# Ultrasound non-invasive measurement of intracranial pressure in healthy adults: a prospective observational study

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Non-Invasive Detection of Intracranial Hypertension Using Random Forests. , 2017, , .		2
2	Brain Ultrasound: How, Why, When and Where?. Annual Update in Intensive Care and Emergency Medicine, 2018, , 519-534.	0.1	0
3	Noninvasive Assessment of Intra-Abdominal Pressure Using Ultrasound-Guided Tonometry: A Proof-of-Concept Study. Shock, 2018, 50, 684-688.	1.0	6
4	Clinical complications during veno-arterial extracorporeal membrane oxigenation in post-cardiotomy and non post-cardiotomy shock: still the achilleâ€™s heel. Journal of Thoracic Disease, 2018, 10, 6993-7004.	0.6	59
5	Combined lung and brain ultrasonography for an individualized âœœbrain-protective ventilation strategyâœœ in neurocritical care patients with challenging ventilation needs. The Ultrasound Journal, 2018, 10, 24.	2.0	16
6	Clinical application of non-invasive intracranial pressure measurements. British Journal of Anaesthesia, 2018, 121, 500-501.	1.5	9
7	Radiological Correlates of Raised Intracranial Pressure in Children: A Review. Frontiers in Pediatrics, 2018, 6, 32.	0.9	9
8	Incidence, Outcome, and Predictors of Intracranial Hemorrhage in Adult Patients on Extracorporeal Membrane Oxygenation: A Systematic and Narrative Review. Frontiers in Neurology, 2018, 9, 548.	1.1	64
9	Optic nerve sheath diameter measured sonographically as non-invasive estimator of intracranial pressure: a systematic review and meta-analysis. Intensive Care Medicine, 2018, 44, 1284-1294.	3.9	250
10	Noninvasive Intracranial Pressure Assessment in Acute Liver Failure. Neurocritical Care, 2018, 29, 280-290.	1.2	55
11	Optic nerve oedema at high altitude occurs independent of acute mountain sickness. British Journal of Ophthalmology, 2019, 103, 692-698.	2.1	9
12	Management of Head Trauma in the Neurocritical Care Unit. , 2019, , 199-232.		0
13	Ultrasound measurements versus invasive intracranial pressure measurement method in patients with brain injury: a retrospective study. BMC Medical Imaging, 2019, 19, 53.	1.4	15
14	Diagnosis of elevated intracranial pressure in critically ill adults: systematic review and meta-analysis. BMJ: British Medical Journal, 2019, 366, l4225.	2.4	100
15	Identification of Pulse Onset on Cerebral Blood Flow Velocity Waveforms: A Comparative Study. BioMed Research International, 2019, 2019, 1-12.	0.9	3
16	Reliability of Assessing Non-severe Elevation of Intracranial Pressure Using Optic Nerve Sheath Diameter and Transcranial Doppler Parameters. Frontiers in Neurology, 2019, 10, 1091.	1.1	5
17	Real-Time Noninvasive Intracranial State Estimation Using Unscented Kalman Filter. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1931-1938.	2.7	4
18	Optic nerve sheath diameter: the next steps. Intensive Care Medicine, 2019, 45, 1842-1843.	3.9	11

#	ARTICLE	IF	CITATIONS
19	Pearls & Oysters: Diagnosis and monitoring of elevated intracranial pressure through ultrasound of the optic nerve. <i>Neurology</i> , 2019, 92, 299-301.	1.5	1
20	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. <i>Resuscitation</i> , 2019, 141, 96-103.	1.3	44
21	Serial S100B Sampling Detects Intracranial Lesion Development in Patients on Extracorporeal Membrane Oxygenation. <i>Frontiers in Neurology</i> , 2019, 10, 512.	1.1	9
22	Prediction of Early Intracranial Hypertension After Severe Traumatic Brain Injury: A Prospective Study. <i>World Neurosurgery</i> , 2019, 127, e1242-e1248.	0.7	18
23	Brain ultrasonography: methodology, basic and advanced principles and clinical applications. A narrative review. <i>Intensive Care Medicine</i> , 2019, 45, 913-927.	3.9	132
24	Brain Ultrasound in the Non-neurocritical Care Setting. Annual Update in Intensive Care and Emergency Medicine, 2019, , 407-421.	0.1	0
25	Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2019, 138, 308-309.	1.3	1
26	Arresting edema: Important after anoxic brain injury?. <i>Resuscitation</i> , 2019, 137, 237-238.	1.3	1
27	Bedside Optic Nerve Ultrasonography for Diagnosing Increased Intracranial Pressure. <i>Annals of Internal Medicine</i> , 2019, 171, 896.	2.0	57
28	How I use Transcranial Doppler. <i>Critical Care</i> , 2019, 23, 420.	2.5	22
29	Comparison of Two Techniques to Measure Optic Nerve Sheath Diameter in Patients at Risk for Increased Intracranial Pressure. <i>Critical Care Medicine</i> , 2019, 47, e495-e501.	0.4	32
30	Ultrasound non-invasive intracranial pressure assessment in paediatric neurocritical care: a pilot study. <i>Child's Nervous System</i> , 2020, 36, 117-124.	0.6	18
31	Ratio of Optic Nerve Sheath Diameter to Eyeball Transverse Diameter by Ultrasound Can Predict Intracranial Hypertension in Traumatic Brain Injury Patients: A Prospective Study. <i>Neurocritical Care</i> , 2020, 32, 478-485.	1.2	47
32	Optic nerve sheath diameter ultrasonography at admission as a predictor of intracranial hypertension in traumatic brain injured patients: a prospective observational study. <i>Journal of Neurosurgery</i> , 2020, 132, 1279-1285.	0.9	30
33	A Proposal for a New Protocol for Sonographic Assessment of the Optic Nerve Sheath Diameter: The CLOSED Protocol. <i>Neurocritical Care</i> , 2020, 32, 327-332.	1.2	26
34	Non-invasive assessment of ICP in children: advances in ultrasound-based techniques. <i>Child's Nervous System</i> , 2020, 36, 95-98.	0.6	1
35	The relation of optic nerve sheath diameter (ONSD) and intracranial pressure (ICP) in pediatric neurosurgery practice - Part II: Influence of wakefulness, method of ICP measurement, intra-individual ONSD-ICP correlation and changes after therapy. <i>Child's Nervous System</i> , 2020, 36, 107-115.	0.6	26
36	The relation of optic nerve sheath diameter (ONSD) and intracranial pressure (ICP) in pediatric neurosurgery practice - Part I: Correlations, age-dependency and cut-off values. <i>Child's Nervous System</i> , 2020, 36, 99-106.	0.6	37

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37	Brain Ultrasonography Consensus on Skill Recommendations and Competence Levels Within the Critical Care Setting. <i>Neurocritical Care</i> , 2020, 32, 502-511.	1.2	30
38	Point-of-care handheld ophthalmic ultrasound in the diagnosis and evaluation of raised intracranial pressure and Terson syndrome: a description of two cases. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 353-359.	0.7	6
39	Noninvasive Intracranial Pressure Estimation With Transcranial Doppler: A Prospective Observational Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 349-353.	0.6	26
40	Intracranial pressure based decision making: Prediction of suspected increased intracranial pressure with machine learning. <i>PLoS ONE</i> , 2020, 15, e0240845.	1.1	10
41	Reply to: Ocular ultrasonography to detect intracranial pressure in aneurysmal subarachnoid hemorrhage. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1461-1461.	1.7	0
42	Escalation therapy in severe traumatic brain injury: how long is intracranial pressure monitoring necessary?. <i>Neurosurgical Review</i> , 2021, 44, 2415-2423.	1.2	11
43	Escalate and De-Escalate Therapies for Intracranial Pressure Control in Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 564751.	1.1	12
44	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. <i>Frontiers in Neurology</i> , 2020, 11, 602114.	1.1	36
45	Effects of Age and Sex on Optic Nerve Sheath Diameter in Healthy Volunteers and Patients With Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 764.	1.1	11
46	Effect of 5 different cervical collars on optic nerve sheath diameter. <i>Medicine (United States)</i> , 2020, 99, e19740.	0.4	4
47	Role of Ultrasound in Neurocritical Care. <i>Journal of Neuroanaesthesiology and Critical Care</i> , 2021, 08, 106-111.	0.1	2
48	Eyeing up the injured brain. <i>Current Opinion in Critical Care</i> , 2020, 26, 1.	1.6	8
49	Review: pathophysiology of intracranial hypertension and noninvasive intracranial pressure monitoring. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 40.	2.4	59
50	Multimodal non-invasive assessment of intracranial hypertension: an observational study. <i>Critical Care</i> , 2020, 24, 379.	2.5	72
51	Ultrasonographic optic nerve sheath diameter monitoring of elevated intracranial pressure: two case reports. <i>Annals of Translational Medicine</i> , 2020, 8, 20-20.	0.7	3
52	Role of Point-of-Care Ultrasound in the Early Stages of Trauma Care. <i>Current Anesthesiology Reports</i> , 2020, 10, 69-79.	0.9	2
53	Dynamic optic nerve sheath diameter changes upon moderate hyperventilation in patients with traumatic brain injury. <i>Journal of Critical Care</i> , 2020, 56, 229-235.	1.0	8
54	Repeatability of ultrasound examination of the optic nerve sheath diameter in the adult cat: comparison between healthy cats and cats suffering from presumed intracranial hypertension. <i>Journal of Feline Medicine and Surgery</i> , 2020, 22, 959-965.	0.6	5

#	ARTICLE	IF	CITATIONS
55	Ultrasonographic measurement of the optic nerve sheath diameter in dysthyroid optic neuropathy. <i>Eye</i> , 2021, 35, 568-574.	1.1	5
56	Estimación no invasiva ultrasonográfica de la presión intracraneana en el paciente neurocránico. <i>Acta Colombiana De Cuidado Intensivo</i> , 2021, 21, 221-227.	0.1	1
57	Optic Nerve Sheath Diameter: Correlation With Intra-Ventricular Intracranial Measurements in Predicting Dysfunctional Intracranial Compliance. <i>Cureus</i> , 2021, 13, e13008.	0.2	5
58	Effects of Cranioplasty After Decompressive Craniectomy on Neurological Function and Cerebral Hemodynamics in Traumatic Versus Nontraumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 79-82.	0.5	6
60	Predicting the 7th Day Efficacy of Acupoint Application of Chinese Herbs (Xiao Zhong Zhi) Tj ETQq0 0 0 rBT /Overlock 10 Journal of Traditional Chinese Medicine, 2021, .	0.9	0
61	Bedside ultrasonographic assessment of optic nerve sheath diameter as a means of detecting raised intracranial pressure in neuro-trauma patients: A cross-sectional study. <i>Annals of Indian Academy of Neurology</i> , 2021, 24, 63.	0.2	7
62	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 131-134.	0.5	2
63	Variability of the Optic Nerve Sheath Diameter on the Basis of Sex and Age in a Cohort of Healthy Volunteers. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 121-124.	0.5	7
64	Usefulness of the optic nerve sheath ultrasound in patients with cessation of cerebral flow. <i>NeurocirugĀa (English Edition)</i> , 2021, 33, 9-14.	0.1	0
65	Influence of the mode of heating on cerebral blood flow, noninvasive intracranial pressure and thermal tolerance in humans. <i>Journal of Physiology</i> , 2021, 599, 1977-1996.	1.3	16
66	Optic Nerve Sheath Diameter Ultrasound for Raised Intracranial Pressure. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 585-595.	0.8	22
67	Ultrasound-Guided Therapies in the Neuro ICU. <i>Current Treatment Options in Neurology</i> , 2021, 23, 1.	0.7	1
68	Management of intracranial hypertension following traumatic brain injury: a best clinical practice adoption proposal for intracranial pressure monitoring and decompressive craniectomy. Joint statements by the Traumatic Brain Injury Section of the Italian Society of Neurosurgery (SINch) and the Neuroanesthesia and Neurocritical Care Study Group of the Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care (SIAARTI). <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 219-238.	0.3	10
69	Comparison of the effects of normal and low blood pressure regulation on the optic nerve sheath diameter in robot assisted laparoscopic radical prostatectomy. <i>Anesthesia and Pain Medicine</i> , 2021, 16, 248-257.	0.5	2
70	Is Lumbar Puncture Needed? â€œ Noninvasive Assessment of ICP Facilitates Decision Making in Patients with Suspected Idiopathic Intracranial Hypertension. <i>Ultraschall in Der Medizin</i> , 2023, 44, e91-e98.	0.8	2
71	Highly Sensitive Capacitive Pressure Sensors over a Wide Pressure Range Enabled by the Hybrid Responses of a Highly Porous Nanocomposite. <i>Advanced Materials</i> , 2021, 33, e2103320.	11.1	133
72	Correlations between optic nerve sheath diameters measured using computed tomography and elevated intracranial pressure levels. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 26, 101328.	0.2	1
73	Predicting the 7th Day Efficacy of Acupoint Application of Chinese Herbs (Xiao Zhong Zhi Tong Tie) in Patients with Diarrhea â€œ A Machine-Learning Model Based on XGBoost Algorithm. <i>World Journal of Traditional Chinese Medicine</i> , 2021, .	0.9	2

#	ARTICLE	IF	CITATIONS
75	Emergency Ocular Ultrasound – Common Traumatic and Non-Traumatic Emergencies Diagnosed with Bedside Ultrasound. <i>Ultraschall in Der Medizin</i> , 2020, 41, 618-645.	0.8	8
76	MRI measurement of optic nerve sheath diameter using 3D driven equilibrium sequence as a non-invasive tool for the diagnosis of idiopathic intracranial hypertension. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2020, 51, .	0.3	2
77	How to use cerebral ultrasound in the ICU. <i>Minerva Anestesiologica</i> , 2020, 86, 327-340.	0.6	19
78	A noninvasive method for the estimation of increased intracranial pressure in patients with severe traumatic brain injury using optic nerve sheath diameter measured on computed tomography head. , 2019, 10, 97.		8
79	Ultrasonographic optic nerve sheath diameter correlation with ICP and accuracy as a tool for noninvasive surrogate ICP measurement in patients with decompressive craniotomy. <i>Journal of Neurosurgery</i> , 2020, 133, 514-520.	0.9	21
80	Effects of Positive End-Expiratory Pressure on Lung Recruitment, Respiratory Mechanics, and Intracranial Pressure in Mechanically Ventilated Brain-Injured Patients. <i>Frontiers in Physiology</i> , 2021, 12, 711273.	1.3	24
82	Neurosonology for Unconscious or Neurocritically Ill Patients. <i>Journal of Neurosonology and Neuroimaging</i> , 2019, 11, 46-61.	0.0	1
83	Arterial and Venous Cerebral Blood Flow Velocities and Their Correlation in Healthy Volunteers and Traumatic Brain Injury Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, e24-e33.	0.6	4
84	Utilidad de la ecografía de la vaina del nervio Óptico en pacientes con cese de flujo cerebral. <i>Neurocirugia</i> , 2022, 33, 9-14.	0.2	0
85	Correlation Between Invasive and Noninvasive Technique of Intracranial Pressure Measurement in Children With Traumatic Brain Injury: An Observational Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, 221-226.	0.6	7
86	Optic Nerve Sheath Diameter in Acute Liver Failure: A Prospective Cohort Study. <i>GE Portuguese Journal of Gastroenterology</i> , 2021, 28, 170-178.	0.3	3
87	Automatic Optic Nerve Sheath Measurement in Point-of-Care Ultrasound. <i>Lecture Notes in Computer Science</i> , 2020, , 23-32.	1.0	2
88	Neurocritical Care Ultrasound. <i>Current Clinical Neurology</i> , 2020, , 345-360.	0.1	0
89	Is Ocular Sonography a Reliable Method for the Assessment of Elevated Intracranial Pressure in Children?. <i>Journal of Pediatric Intensive Care</i> , 2021, 10, 014-022.	0.4	4
91	Severe Respiratory Failure: ARDS and ECMO. , 2021, , 161-169.		0
92	Intracerebral Hematomas, Midline Shift, Hydrocephalus. , 2021, , 173-182.		0
93	Pediatric Population (Pathology and Clinical Applications: Specific Considerations). , 2021, , 243-248.		1
96	Transcranial Doppler and Optic Nerve Ultrasonography for Non-invasive ICP Assessment. , 2021, , 75-94.		0

#	ARTICLE	IF	CITATIONS
97	Diagnosis and Treatment of the Intracranial Compartment Syndrome. Hot Topics in Acute Care Surgery and Trauma, 2021, , 17-33.	0.1	2
98	Application of Transcranial Color-coded Duplex Sonography in the Diagnosis and Management of Straight Sinus Thrombosis With Dural Arteriovenous Fistulae. Neurologist, 2020, 25, 180-186.	0.4	0
99	Ultrasonography in Emergency Department; a Diagnostic Tool for Better Examination and Decision-Making. Advanced Journal of Emergency Medicine, 2018, 2, e7.	0.7	4
100	Newer brain monitoring techniques. , 2022, , 203-216.		0
101	Type of ICP monitor. , 2022, , 193-202.		1
103	Pneumoperitoneum and Trendelenburg Position During Abdominal Surgery; Usefulness of Transcranial Doppler (TCD/TCCS) to Non-invasive Intracranial Pressure Monitoring. , 2022, , 1111-1120.		0
105	Acute Liver Failure (ALF) in ICU: Usefulness of Transcranial Doppler (TCD/TCCS). , 2022, , 817-827.		0
106	Intracerebral Venous System: Monitoring by Transcranial Color-Coded Duplex Sonography (TCCS). , 2022, , 483-494.		0
107	Traumatic Brain Injury in Neuro-ICU: Usefulness and Experience of Robotic Transcranial Doppler (TCD). , 2022, , 1045-1056.		0
108	POCUS Application in Neurocritical Care Patients: Transcranial Doppler (TCD/TCCS) as a Part of POCUS, from the Brain Ultrasound to Monitoring the Systemic Complications. , 2022, , 975-997.		0
109	Transcranial Doppler Ultrasound Pulsatility Index: Utility and Clinical Interpretation. , 2022, , 357-376.		0
110	Trans-Cranial Doppler as a Screening Test to Exclude Intracranial Hypertension in Brain Injured Patients: The IMPRESSIT-2 Prospective Multicenter International Study. SSRN Electronic Journal, 0, , .	0.4	0
111	Effects of positive end-expiratory pressure on lung ultrasound patterns and their correlation with intracranial pressure in mechanically ventilated brain injured patients. Critical Care, 2022, 26, 31.	2.5	17
112	Clinical applications of pointâ€ofâ€care ultrasound in brain injury: a narrative review. Anaesthesia, 2022, 77, 69-77.	1.8	8
113	Evaluation of cerebral hemodynamics by transcranial Doppler ultrasonography and its correlation with intracranial pressure in an animal model of intracranial hypertension. Arquivos De Neuro-Psiquiatria, 2022, 80, 344-352.	0.3	3
114	Dopplerographic features of venous cerebral blood flow disorders in acute period of ischemic stroke. Medical Alphabet, 2022, , 22-28.	0.0	0
115	Intracranial pressure monitoring in severe traumatic brain injury: Quo Vadis?. ANZ Journal of Surgery, 2021, 91, 2568-2570.	0.3	0
117	Transcranial Doppler as a screening test to exclude intracranial hypertension in brain-injured patients: the IMPRESSIT-2 prospective multicenter international study. Critical Care, 2022, 26, 110.	2.5	41

#	ARTICLE	IF	CITATIONS
125	Lateral Ventricular Volume Asymmetry and Optic Nerve Sheath Diameter Predict Intracranial Pressure in Traumatic Brain Injury Patients. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-6.	0.5	2
126	Noninvasive assessment of intracranial pressure using subharmonic-aided pressure estimation: An experimental study in canines. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 93, 882-888.	1.1	3
127	Non-Invasive Intracranial Pressure Monitoring and Its Applicability in Spaceflight. <i>Aerospace Medicine and Human Performance</i> , 2022, 93, 517-531.	0.2	1
128	Bioinspired engineering of gradient and hierarchical architecture into pressure sensors toward high sensitivity within ultra-broad working range. <i>Nano Energy</i> , 2022, 100, 107513.	8.2	50
129	Ultrasound Detection of Intracranial Hypertension in Brain Injuries. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	6
130	Intracranial pressure: current perspectives on physiology and monitoring. <i>Intensive Care Medicine</i> , 2022, 48, 1471-1481.	3.9	54
131	Non-invasive intracranial pressure estimation using ultrasonographic measurement of area of optic nerve subarachnoid space. <i>British Journal of Ophthalmology</i> , 2023, 107, 1716-1721.	2.1	3
132	Perioperative Variation in Optic Nerve Sheath Diameter â€œ A Prospective Observational Study of Traumatic Brain Injury Patients Undergoing Decompressive Craniectomy. <i>Neurology India</i> , 2022, 70, 1460.	0.2	2
133	Transcranial Doppler for Monitoring in the Neurocritical Care Unit. , 2022, , 61-79.		0
134	The Role of Noninvasive Multimodal Neuromonitoring. , 2022, , 113-126.		0
135	Intracranial pressure, lateral sinus patency, and jugular ultrasound hemodynamics in patients with venous pulsatile tinnitus. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	4
136	Prediction of intracranial lesions in patients with consciousness disturbance by ultrasonography in the intensive care unit. <i>Journal of International Medical Research</i> , 2022, 50, 030006052211193.	0.4	0
137	Early prognostic value of non-invasive intracranial pressure methods in brain-injured patients. <i>Intensive Care Medicine</i> , 2022, 48, 1812-1814.	3.9	9
138	Neurocritical Care in the General Intensive Care Unit. <i>Critical Care Clinics</i> , 2022, , .	1.0	0
139	Monitoring of optic nerve sheath diameter on computed tomography for noninvasive assessment of intracranial pressure: Case report: Optic nerve sheath and intracranial pressure. <i>Serbian Journal of Anesthesia and Intensive Therapy</i> , 2022, 44, 47-55.	0.1	0
140	Hydrocephalus in craniosynostosis. , 2023, , 195-208.		1
141	Ultrasound measurement of the optic nerve sheath diameter in traumatic brain injury: a narrative review. <i>Acta Anaesthesiologica Belgica</i> , 2021, 72, 151-168.	0.0	0
142	Noninvasive intracranial pressure monitoring in central nervous system infections. <i>Minerva Anestesiologica</i> , 2023, 89, .	0.6	2



#	ARTICLE	IF	CITATIONS
143	Bedside ocular ultrasonography for diagnosing increased intracranial pressure in patients with leptomeningeal metastases from nonâ€smallâ€cell lung cancer. <i>Cancer Medicine</i> , 2023, 12, 6913-6923.	1.3	3
144	POCUS, how can we include the brain? An overview. <i>Journal of Anesthesia, Analgesia and Critical Care</i> , 2022, 2, .	0.5	5
145	Capacitive Sensors with Hybrid Dielectric Structures and High Sensitivity over a Wide Pressure Range for Monitoring Biosignals. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 6217-6227.	4.0	12
146	Ultrasonographic measurement of the optic nerve sheath diameter to detect intracranial hypertension: an observational study. <i>Ultrasound Journal</i> , 2023, 15, .	1.3	4
147	Noninvasive intracranial pressure assessment by optic nerve sheath diameter: Automated measurements as an alternative to clinician-performed measurements. <i>Frontiers in Neurology</i> , 0, 14, .	1.1	2
149	Non-Invasive Intracranial Pressure Monitoring. <i>Journal of Clinical Medicine</i> , 2023, 12, 2209.	1.0	6
150	Development and validation of a routine blood parameters-based model for screening the occurrence of retinal detachment in high myopia in the context of PPPM. <i>EPMA Journal</i> , 2023, 14, 219-233.	3.3	2
151	Multimodal and autoregulation monitoring in the neurointensive care unit. <i>Frontiers in Neurology</i> , 0, 14, .	1.1	1
161	Recent advancements in volumetric flow meter for industrial application. <i>Heat and Mass Transfer</i> , 0, , .	1.2	1
168	Using Optic Nerve Sheath Diameter for Intracranial Pressure (ICP) Monitoring in Traumatic Brain Injury: A Scoping Review. <i>Neurocritical Care</i> , 0, , .	1.2	0