

# Neurodevelopmental outcome at 2 years of age after general awake-regional anaesthesia in infancy (GAS): an international controlled trial

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Citation Report

#	ARTICLE	IF	CITATIONS
2	A forecast of relevant pediatric sedation trends. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, S56-S67.	0.9	21
3	Sedation in Critically Ill Children with Respiratory Failure. <i>Frontiers in Pediatrics</i> , 2016, 4, 89.	0.9	31
4	Are We Moving Closer to Noninvasive Imaging and Monitoring of Neonatal Anesthesia-induced Neurotoxicity?. <i>Anesthesiology</i> , 2016, 125, 22-24.	1.3	7
5	A pilot study of dexmedetomidine sedation and caudal anesthesia for inguinal hernia repair in infants. <i>Paediatric Anaesthesia</i> , 2016, 26, 621-627.	0.6	24
6	Cost modeling for management strategies of uncomplicated gastroschisis. <i>Journal of Surgical Research</i> , 2016, 205, 136-141.	0.8	4
7	Etomidate exposure in early infant mice (P10) does not induce apoptosis or affect behaviour. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 588-596.	0.7	10
8	Persistent neuronal apoptosis and synaptic loss induced by multiple but not single exposure of propofol contribute to long-term cognitive dysfunction in neonatal rats. <i>Journal of Toxicological Sciences</i> , 2016, 41, 627-636.	0.7	28
9	Early-life single-episode sevoflurane exposure impairs social behavior and cognition later in life. <i>Brain and Behavior</i> , 2016, 6, e00514.	1.0	20
11	Time to move the goalposts? Do we need new targets for developing i.v. anaesthetics?. <i>British Journal of Anaesthesia</i> , 2016, 117, 684-687.	1.5	2
12	Sevoflurane induces cognitive impairments via the MiR-27b/LIMK1-signaling pathway in developing rats. <i>Inhalation Toxicology</i> , 2016, 28, 731-738.	0.8	20
13	Inhalational agents in anesthesia induced developmental neurotoxicity – Recent advances. <i>Trends in Anaesthesia and Critical Care</i> , 2016, 11, 14-18.	0.4	2
14	Use of Anesthesia for Imaging Studies and Interventional Procedures in Children. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 400-404.	0.6	5
15	Optimal Timing of Surgical Procedures in Pediatric Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 395-399.	0.6	12
16	Dexmedetomidine-Induced Neuroapoptosis Is Dependent on Its Cumulative Dose. <i>Anesthesia and Analgesia</i> , 2016, 123, 1008-1017.	1.1	42
17	What Next After GAS and PANDA?. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 381-383.	0.6	8
18	Intravenous dexmedetomidine as an –adjuvant–™ to the infant spinal anesthetic. <i>Paediatric Anaesthesia</i> , 2016, 26, 1214-1215.	0.6	3
19	The GAS trial – Authors' reply. <i>Lancet, The</i> , 2016, 387, 1615.	6.3	3
20	The GAS trial. <i>Lancet, The</i> , 2016, 387, 1613-1614.	6.3	0

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21	Is Anesthesia Safe for My Child?. <i>Journal of Perianesthesia Nursing</i> , 2016, 31, 184-187.	0.3	0
22	Neuraxial anaesthesia in paediatrics. <i>Anaesthesia and Intensive Care Medicine</i> , 2016, 17, 293-298.	0.1	0
23	Human resources in protracted crises: Syrian medical workers. <i>Lancet, The</i> , 2016, 387, 1613.	6.3	8
24	The GAS trial. <i>Lancet, The</i> , 2016, 387, 1613.	6.3	2
25	The GAS trial. <i>Lancet, The</i> , 2016, 387, 1614.	6.3	0
26	Minimally Invasive Surgery in Neonatal Patients: A Review. <i>NeoReviews</i> , 2016, 17, e242-e250.	0.4	0
27	Neurocognitive Adverse Effects of Anesthesia in Adults and Children: Gaps in Knowledge. <i>Drug Safety</i> , 2016, 39, 613-626.	1.4	12
28	Outcomes in the trial registry should match those in the protocol. <i>Lancet, The</i> , 2016, 388, 340-341.	6.3	3
29	The effect of anaesthesia on the infant brain. <i>Early Human Development</i> , 2016, 102, 37-40.	0.8	24
30	Revisiting secondary capsulotomy for posterior capsule management in pediatric cataract surgery. <i>Journal of AAPOS</i> , 2016, 20, 506-510.	0.2	15
31	Rachianesthésie en pédiatrie: quoi de neuf?. <i>Anesthésie &amp; Réanimation</i> , 2016, 2, 343-348.	0.1	0
32	Outcomes in the trial registry should match those in the protocol – Authors' reply. <i>Lancet, The</i> , 2016, 388, 341.	6.3	0
33	Trial registration records, updates, and protocols. <i>Lancet, The</i> , 2016, 388, 341-342.	6.3	5
34	Protection for anaesthetized mice. <i>Nature</i> , 2016, 536, 36-37.	13.7	0
35	From the Cover: Volatile Anesthetics Transiently Disrupt Neuronal Development in Neonatal Rats. <i>Toxicological Sciences</i> , 2016, 154, 309-319.	1.4	17
36	Early childhood exposure to short periods of sevoflurane is not associated with later, lasting cognitive deficits. <i>Paediatric Anaesthesia</i> , 2016, 26, 1018-1025.	0.6	18
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40	Summary of the Update Session on Clinical Neurotoxicity Studies. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 356-360.	0.6	31
44	Anesthetic Neurotoxicity Meets Big Data. <i>Anesthesiology</i> , 2016, 125, 263-265.	1.3	1
45	Adverse Events and Resource Utilization After Spinal and General Anesthesia in Infants Undergoing Pyloromyotomy. <i>Regional Anesthesia and Pain Medicine</i> , 2016, 41, 532-537.	1.1	26
46	Sevoflurane Impairs Growth Cone Motility in Dissociated Murine Neurons. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 405-412.	0.6	5
47	1. Anesthesia and analgesia for thoracic surgery. , 2016, , 1-30.		0
48	Dealing with phthalates in medical devices: a case of primum non nocere (first do no harm)?. <i>Intensive Care Medicine</i> , 2016, 42, 602-604.	3.9	3
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55	Principles of anaesthesia for term neonates. <i>Anaesthesia and Intensive Care Medicine</i> , 2017, 18, 75-78.	0.1	3
56	Neonatal Surgery for Noncardiac Congenital Anomalies: Neonates at Risk of Brain Injury. <i>Journal of Pediatrics</i> , 2017, 182, 335-341.e1.	0.9	56
57	Neuroprotection and neurotoxicity in the developing brain: an update on the effects of dexmedetomidine and xenon. <i>Neurotoxicology and Teratology</i> , 2017, 60, 102-116.	1.2	97
58	Decrease of glial cell-derived neurotrophic factor contributes to anesthesia- and surgery-induced learning and memory dysfunction in neonatal rats. <i>Journal of Molecular Medicine</i> , 2017, 95, 369-379.	1.7	35
59	Continuing stories with discontinuity. <i>Paediatric Anaesthesia</i> , 2017, 27, 224-225.	0.6	2

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62	Anesthesia and Developing Brains – Implications of the FDA Warning. New England Journal of Medicine, 2017, 376, 905-907.	13.9	372
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75	Coenzyme Q10 reduces sevoflurane-induced cognitive deficiency in young mice. British Journal of Anaesthesia, 2017, 119, 481-491.	1.5	64
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77	Use of anaesthetics in young children. European Journal of Anaesthesiology, 2017, 34, 327-328.	0.7	30

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86	Sevoflurane Exposure during the Critical Period Affects Synaptic Transmission and Mitochondrial Respiration but Not Long-term Behavior in Mice. Anesthesiology, 2017, 126, 288-299.	1.3	48
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96	Neuroanesthesiology Update. Journal of Neurosurgical Anesthesiology, 2017, 29, 97-131.	0.6	1
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98	Neurodevelopmental Abnormalities and Congenital Heart Disease. Circulation Research, 2017, 120, 960-977.	2.0	141

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100	Anesthetic-Related Neurotoxicity and Neuroimaging in Children: A Call for Conversation. <i>Journal of Child Neurology</i> , 2017, 32, 594-602.	0.7	43
101	Safety and Efficacy of Volatile Anesthetic Agents Compared With Standard Intravenous Midazolam/Propofol Sedation in Ventilated Critical Care Patients: A Meta-analysis and Systematic Review of Prospective Trials. <i>Anesthesia and Analgesia</i> , 2017, 124, 1190-1199.	1.1	92
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107	Sevoflurane Acts on Ubiquitination-Proteasome Pathway to Reduce Postsynaptic Density 95 Protein Levels in Young Mice. <i>Anesthesiology</i> , 2017, 127, 961-975.	1.3	61
108	Anesthetics and Cognitive Impairments in Developing Children. <i>JAMA Pediatrics</i> , 2017, 171, 1135.	3.3	7
109	More than 3 hours and less than 3 years: Safety of anaesthetic procedures in infants less than 3 years old subjected to surgery for more the 3 hours. <i>Ánales De PediatrĀa (English Edition)</i> , 2017, 87, 236.e1-236.e6.	0.1	1
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111	Australasian contribution to neurological literature published in high-impact journals: Time for better collaboration?. <i>Journal of Clinical Neuroscience</i> , 2017, 44, 357.	0.8	0
112	Subsequent maternal separation exacerbates neurobehavioral abnormalities in rats neonatally exposed to sevoflurane anesthesia. <i>Neuroscience Letters</i> , 2017, 661, 137-142.	1.0	13
113	More than 3 hours and less than 3 years old. Safety of anesthetic procedures in children under 3 years of age, subject to surgeries of more than 3 hours. <i>Revista Española De Anestesiología Y Reanimación (English Edition)</i> , 2017, 64, 577-584.	0.1	0
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115	Pediatric Perioperative Pain Management. <i>Orthopedic Clinics of North America</i> , 2017, 48, 467-480.	0.5	27
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120	A survey of the dose of inhalational agents used to maintain anaesthesia in infants. European Journal of Anaesthesiology, 2017, 34, 158-162.	0.7	3
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128	Anesthesia in Outpatient Facilities. Journal of Oral and Maxillofacial Surgery, 2017, 75, e34-e49.	0.5	9
129	Perinatal and neonatal use of sedation and analgesia. Seminars in Fetal and Neonatal Medicine, 2017, 22, 314-320.	1.1	23
130	Más de 3 horas y menos de 3 años. Seguridad de procedimientos anestésicos en niños menores de 3 años, sometidos a cirugías de más de 3 horas. Revista Española De Anestesiología Y Reanimación, 2017, 64, 577-584.	0.1	2
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133	Spinal anesthesia for pediatric urological surgery: Reducing the theoretic neurotoxic effects of general anesthesia. Journal of Pediatric Urology, 2017, 13, 396-400.	0.6	42
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147	Pediatric Sedation: Safety and Outcomes. , 0, , 267-275.		0
148	Timing and Management of Inguinal Hernia in the Premature Baby. European Journal of Pediatric Surgery, 2017, 27, 472-477.	0.7	9
149	Current thinking regarding potential neurotoxicity of general anesthesia in infants. Current Opinion in Urology, 2017, 27, 27-33.	0.9	13
150	An update on anesthetics and impact on the brain. Expert Opinion on Drug Safety, 2017, 16, 997-1008.	1.0	27
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157	Neurogenesis and developmental anesthetic neurotoxicity. <i>Neurotoxicology and Teratology</i> , 2017, 60, 33-39.	1.2	26
158	Association of Anesthesia and Surgery During Childhood With Long-term Academic Performance. <i>JAMA Pediatrics</i> , 2017, 171, e163470.	3.3	208
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160	Intelligence quotient scores at the age of 6 years in children anaesthetised before the age of 5 years. <i>Anaesthesia</i> , 2017, 72, 57-62.	1.8	25
161	Postoperative complications following neonatal and infant surgery: Common events and predictive factors. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , 2017, 36, 163-169.	0.6	16
162	Oral Clefts and Academic Performance in Adolescence: The Impact of Anesthesia-Related Neurotoxicity, Timing of Surgery, and Type of Oral Clefts. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 371-380.	0.5	45
163	Isoflurane exposure leads to apoptosis of neurons and oligodendrocytes in 20- and 40-day old rhesus macaques. <i>Neurotoxicology and Teratology</i> , 2017, 60, 63-68.	1.2	67
164	Anesthetic Neurotoxicity: New Findings and Future Directions. <i>Journal of Pediatrics</i> , 2017, 181, 279-285.	0.9	20
165	General endotracheal vs. non-endotracheal regional anesthesia for elective inguinal hernia surgery in very preterm neonates: A single institution experience. <i>Journal of Pediatric Surgery</i> , 2017, 52, 56-59.	0.8	7
166	Long-lasting behavioral effects in neonatal mice with multiple exposures to ketamine-xylazine anesthesia. <i>Neurotoxicology and Teratology</i> , 2017, 60, 75-81.	1.2	16
167	Thiopental to desflurane - an anaesthetic journey. Where are we going next?. <i>British Journal of Anaesthesia</i> , 2017, 119, i44-i52.	1.5	17
168	Isoflurane exposure for three hours triggers apoptotic cell death in neonatal macaque brain. <i>British Journal of Anaesthesia</i> , 2017, 119, 524-531.	1.5	79
169	Thinking, fast and slow: highlights from the 2016 BJA seminar on anaesthetic neurotoxicity and neuroplasticity. <i>British Journal of Anaesthesia</i> , 2017, 119, 443-447.	1.5	29
170	Theseus, the Labyrinth, and the Minotaur of anaesthetic-induced developmental neurotoxicity. <i>British Journal of Anaesthesia</i> , 2017, 119, 453-455.	1.5	4
171	The FDA Warning on Anesthesia Drugs. <i>Anesthesia Progress</i> , 2017, 64, 57-58.	0.2	14
172	New warning added to labels of general anesthetic and sedation agents. <i>Pharmacy Today</i> , 2017, 23, 2.	0.0	0
173	Anesthesia and Young Brains. <i>Journal of Pediatric Surgical Nursing</i> , 2017, 6, 90-92.	0.1	0

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177	Recent Advances in Neuroanesthesiology. , 2017, , 897-905.		3
178	Anesthetic Agents. , 2017, , 123-129.		0
179	Propofolâ€™s Effects on the Fetal Brain for Non-Obstetric Surgery. Brain Sciences, 2017, 7, 107.	1.1	7
180	Modulation of Neocortical Development by Early Neuronal Activity: Physiology and Pathophysiology. Frontiers in Cellular Neuroscience, 2017, 11, 379.	1.8	63
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347	&lt;p&gt;Dexmedetomidine attenuates the neurotoxicity of propofol toward primary hippocampal neurons in vitro via Erk1/2/CREB/BDNF signaling pathways&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 695-706.	2.0	39
348	Neurodevelopmental outcome at 5 years of age after general anaesthesia or awake-regional anaesthesia in infancy (GAS): an international, multicentre, randomised, controlled equivalence trial. <i>Lancet, The</i> , 2019, 393, 664-677.	6.3	526
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352	Truncus Arteriosus. , 2019, , 306-309.		1
354	Anesthesia for Dental Procedures. , 2019, , 178-179.		0
355	Strabismus Surgery. , 2019, , 180-183.		0
356	Midgestational Fetal Procedures. , 2019, , 197-201.		0
357	Local Anesthetic Systemic Toxicity (LAST). , 2019, , 246-248.		0
358	Distraction Techniques for Pediatric Pain Management. , 2019, , 260-263.		1
359	Transitional Circulation. , 2019, , 264-268.		0
361	Atrial Septal Defects. , 2019, , 277-281.		1
362	Ventricular Septal Defects. , 2019, , 282-285.		0
364	Epilepsy Surgery. , 2019, , 161-163.		0

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367	Adenotonsillectomy. , 2019, , 137-140.		0
368	Acute Postoperative Pain Management. , 2019, , 249-253.		0
370	Truncal Blocks. , 2019, , 236-245.		0
371	Anesthesia for Cardiac Catheterization. , 2019, , 286-289.		0
373	Thyroid Surgery. , 2019, , 149-151.		0
374	Lower Extremity Nerve Blocks. , 2019, , 225-235.		0
375	Myringotomy and Ear Tube Placement/Upper Respiratory Infection. , 2019, , 134-136.		0
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406	Postoperative Nausea and Vomiting in Children. , 2019, , 24-25.		2
407	Emergence Delirium. , 2019, , 26-27.		0
408	Anesthesia Care for the Premature Infant. , 2019, , 28-32.		0
409	Blood and Transfusion. , 2019, , 38-45.		0
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423	Infant Hernia Repair and Prevention of Postoperative Apnea. , 2019, , 81-85.		0
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429	Hepatic Portoenterostomy; Kasai Procedure. , 2019, , 118-121.		1
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432	Craniosynostosis. , 2019, , 173-177.		0
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437	Anterior Mediastinal Masses. , 2019, , 86-91.		0
438	Abdominal Masses. , 2019, , 108-110.		0
439	Abdominal Masses. , 2019, , 111-112.		0
441	Myelomeningocele and Hydrocephalus. , 2019, , 152-156.		0
442	Pediatric Neurological Tumors. , 2019, , 157-160.		0
443	Anesthesia for Penile Procedures. , 2019, , 184-188.		0
444	Bladder Exstrophy. , 2019, , 189-192.		0
445	Anesthesia for Ex Utero Intrapartum Therapy (EXIT). , 2019, , 193-196.		0
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457	Assessment of circulating tumor DNA in pediatric solid tumors: The promise of liquid biopsies. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27595.	0.8	42
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478	Potential impact of epidural labor analgesia on the outcomes of neonates and children. <i>Chinese Medical Journal</i> , 2020, 133, 2353-2358.	0.9	6
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485	Pediatric Anesthesia Specialty Societies and Multi-Institutional Collaborations. <i>Children</i> , 2020, 7, 233.	0.6	3
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488	LncRNA Rik-203 Contributes to Sevoflurane Induced Neurotoxicity?. <i>Frontiers in Medicine</i> , 2020, 7, 353.	1.2	3
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494	Current state of noninvasive, continuous monitoring modalities in pediatric anesthesiology. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 781-787.	0.9	15
495	Propofol Attenuates Isoflurane-Induced Neurotoxicity and Cognitive Impairment in Fetal and Offspring Mice. <i>Anesthesia and Analgesia</i> , 2020, 131, 1616-1625.	1.1	17
496	Guidelines for the management of neonates and infants with hypoplastic left heart syndrome: The European Association for Cardio-Thoracic Surgery (EACTS) and the Association for European Paediatric and Congenital Cardiology (AEPC) Hypoplastic Left Heart Syndrome Guidelines Task Force. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 416-499.	0.6	48
497	Propofol inhibits the expression of Abelson nonreceptor tyrosine kinase without affecting learning or memory function in neonatal rats. <i>Brain and Behavior</i> , 2020, 10, e01810.	1.0	5
498	The Unspoken Question!. <i>Anesthesia and Analgesia</i> , 2020, 131, 720-722.	1.1	2
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501	Anesthesia management of a premature neonate during minimally invasive sclerotherapy of a large chest wall mass. <i>Medicine (United States)</i> , 2020, 99, e21726.	0.4	0
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506	Optimization of Ultrasound Backscatter Spectroscopy to Assess Neurotoxic Effects of Anesthesia in the Newborn Non-human Primate Brain. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2044-2056.	0.7	2
508	Neonatal sevoflurane exposure induces impulsive behavioral deficit through disrupting excitatory neurons in the medial prefrontal cortex in mice. <i>Translational Psychiatry</i> , 2020, 10, 202.	2.4	22
509	Laminin degradation by matrix metalloproteinase 9 promotes ketamine-induced neuronal apoptosis in the early developing rat retina. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 1058-1068.	1.9	13
510	Hippocampus is more vulnerable to neural damages induced by repeated sevoflurane exposure in the second trimester than other brain areas. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 864-874.	0.9	4
511	Neuroanesthesiology Update. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 97-119.	0.6	3

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513	In-Office Tympanostomy Tube Placement Using Iontophoresis and Automated Tube Delivery Systems. <i>OTO Open</i> , 2020, 4, 2473974X2090312.	0.6	9
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515	General anesthesia affecting on developing brain: evidence from animal to clinical research. <i>Journal of Anesthesia</i> , 2020, 34, 765-772.	0.7	34
516	A Practical Approach to Pediatric Retinal Surgery. <i>International Ophthalmology Clinics</i> , 2020, 60, 115-134.	0.3	1
517	Efficacy and Safety in Combining Primary Palatoplasty and Myringotomy in Patients with Cleft Palate. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020, Publish Ahead of Print, e2824.	0.3	3
518	General Anesthetic-Induced Neurotoxicity in the Immature Brain: Reevaluating the Confounding Factors in the Preclinical Studies. <i>BioMed Research International</i> , 2020, 2020, 1-7.	0.9	4
519	Prenatal Exposure to Ketamine Leads to Anxiety-Like Behaviors and Dysfunction in Bed Nucleus of Stria Terminalis. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 181-191.	1.0	5
520	Resveratrol Mitigates Sevoflurane-Induced Neurotoxicity by the SIRT1-Dependent Regulation of BDNF Expression in Developing Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	1.9	47
522	Impact of anesthesia exposure in early development on learning and sensory functions. <i>Developmental Psychobiology</i> , 2020, 62, 559-572.	0.9	16
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527	MRI utilization and rates of abnormal pretreatment MRI findings in early-onset scoliosis: review of a global cohort. <i>Spine Deformity</i> , 2020, 8, 1099-1107.	0.7	15
528	Halogen gas exposure: toxic effects on the parturient. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 272-287.	1.3	6
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530	Hypotension and adverse neurodevelopmental outcomes among children with multiple exposures to general anesthesia: Subanalysis of the Mayo Anesthesia Safety in Kids (MASK) Study. <i>Paediatric Anaesthesia</i> , 2021, 31, 282-289.	0.6	15

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533	Neonatal opioids and preschool outcomes. <i>Pediatric Research</i> , 2021, 89, 407-408.	1.1	0
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535	Fundamentals and innovations in regional anaesthesia for infants and children. <i>Anaesthesia</i> , 2021, 76, 74-88.	1.8	29
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537	A call for more pediatric anesthesia research. <i>Brazilian Journal of Anesthesiology (Elsevier)</i> , 2021, 71, 1-3.	0.2	0
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542	Future Prospects of Biliary Atresia. , 2021, , 329-339.		0
543	The evolution of the regional anesthesia: a holistic investigation of global outputs with bibliometric analysis between 1980-2019. <i>Korean Journal of Pain</i> , 2021, 34, 82-93.	0.8	16
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547	Pediatric Anesthesiology Special Issue. <i>Children</i> , 2021, 8, 201.	0.6	0
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550	Early Isoflurane Exposure Impairs Synaptic Development in Fmr1 KO Mice via the mTOR Pathway. <i>Neurochemical Research</i> , 2021, 46, 1577-1588.	1.6	6
551	The effect of sevoflurane anesthesia for dental procedure on neurocognition in children: a prospective, equivalence, controlled trial. <i>BMC Pediatrics</i> , 2021, 21, 177.	0.7	12
552	Resveratrol ameliorates sevoflurane-induced cognitive impairment by activating the SIRT1/NF- $\kappa$ B pathway in neonatal mice. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108579.	1.9	45
553	Strategies to perform magnetic resonance imaging in infants and young children without sedation. <i>Pediatric Radiology</i> , 2022, 52, 374-381.	1.1	20
554	Anesthesia and the Developing Brain: A Review of Sevoflurane-induced Neurotoxicity in Pediatric Populations. <i>Clinical Therapeutics</i> , 2021, 43, 762-778.	1.1	17
555	Safety challenges related to the use of sedation and general anesthesia in pediatric patients undergoing magnetic resonance imaging examinations. <i>Pediatric Radiology</i> , 2021, 51, 724-735.	1.1	34
556	Emergence delirium in children: a Brazilian survey. <i>Brazilian Journal of Anesthesiology (Elsevier)</i> , 2022, 72, 207-212.	0.2	3
557	Neonatal and early childhood outcomes following maternal anesthesia for cesarean section: a population-based cohort study. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 482-489.	1.1	11
558	Effect of dexmedetomidine on sevoflurane-induced neurodegeneration in neonatal rats. <i>British Journal of Anaesthesia</i> , 2021, 126, 1009-1021.	1.5	18
559	The effects of early anesthesia on neurodevelopment: A systematic review. <i>Journal of Pediatric Surgery</i> , 2021, 56, 851-861.	0.8	29
560	Maternal sevoflurane exposure induces temporary defects in interkinetic nuclear migration of radial glial progenitors in the fetal cerebral cortex through the Notch signalling pathway. <i>Cell Proliferation</i> , 2021, 54, e13042.	2.4	9
561	Early pediatric Cochlear implantation: An update. <i>Laryngoscope Investigative Otolaryngology</i> , 2021, 6, 512-521.	0.6	16
562	Why do We Use the Concepts of Adult Anesthesia Pharmacology in Developing Brains? Will It Have an Impact on Outcomes? Challenges in Neuromonitoring and Pharmacology in Pediatric Anesthesia. <i>Journal of Clinical Medicine</i> , 2021, 10, 2175.	1.0	2
563	Integrin-dependent microgliosis mediates ketamine-induced neuronal apoptosis during postnatal rat retinal development. <i>Experimental Neurology</i> , 2021, 340, 113659.	2.0	6
564	Behavioural impairments after exposure of neonatal mice to propofol are accompanied by reductions in neuronal activity in cortical circuitry. <i>British Journal of Anaesthesia</i> , 2021, 126, 1141-1156.	1.5	21
565	Sevoflurane induces inflammation of microglia in hippocampus of neonatal rats by inhibiting Wnt/ $\beta$ 2-Catenin/CaMKIV pathway. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 105-115.	1.1	23
566	Management of comfort and sedation in neonates with neonatal encephalopathy treated with therapeutic hypothermia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101264.	1.1	12



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