

Neurodevelopmental outcome at 5 years of age after general
awake-regional anaesthesia in infancy (GAS): an international
controlled equivalence trial

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Treatment of Facial Dog Bite Injuries in the Emergency Department Compared to the Operating Room. OTO Open, 2019, 3, 2473974X1985832.	1.4	6
2	Developmental neurotoxicity in the context of multiple sevoflurane exposures: Potential role of histone deacetylase 6. Neurotoxicology and Teratology, 2019, 74, 106813.	2.4	8
3	Anesthetics disrupt growth cone guidance cue sensing through actions on the GABAA α 2 receptor mediated by the immature chloride gradient. Neurotoxicology and Teratology, 2019, 74, 106812.	2.4	2
4	Anesthetics: from modes of action to unconsciousness and neurotoxicity. Journal of Neurophysiology, 2019, 122, 760-787.	1.8	27
5	Human Studies of Anesthesia-Related Neurotoxicity in Children. Clinics in Perinatology, 2019, 46, 637-645.	2.1	8
6	General anesthetic neurotoxicity in the young: Mechanism and prevention. Neuroscience and Biobehavioral Reviews, 2019, 107, 883-896.	6.1	10
7	Astroglial dysfunctions drive aberrant synaptogenesis and social behavioral deficits in mice with neonatal exposure to lengthy general anesthesia. PLoS Biology, 2019, 17, e3000086.	5.6	49
8	The volatile anesthetic sevoflurane reduces neutrophil apoptosis via Fas death domain-Fas-associated death domain interaction. FASEB Journal, 2019, 33, 12668-12679.	0.5	20
9	Association of chronic and acute inflammation of the mucosa-associated lymphoid tissue with psychiatric disorders and suicidal behavior. Translational Psychiatry, 2019, 9, 227.	4.8	8
10	Surgery Under General Anesthesia Alleviated the Hyperactivity but Had No Effect on the Susceptibility to PND in ADHD Rats. Frontiers in Psychiatry, 2019, 10, 642.	2.6	3
11	Trends in Surgery for Children Younger Than 3 Years From 1998 to 2017. JAMA Pediatrics, 2019, 173, 1199.	6.2	5
12	Anesthesia for pediatric ophthalmologic surgery. Journal of AAPOS, 2019, 23, 127-131.	0.3	15
13	The Year in Review: Anesthesia for Congenital Heart Disease 2018. Seminars in Cardiothoracic and Vascular Anesthesia, 2019, 23, 205-211.	1.0	5
14	Morphologic and functional evaluation of duplicated renal collecting systems with MR urography: A descriptive analysis. Clinical Imaging, 2019, 57, 69-76.	1.5	2
15	Brief general anaesthetic in infancy has no discernible neurodevelopmental impact. Journal of Paediatrics and Child Health, 2019, 55, 607-607.	0.8	0
16	Mayo Anesthesia Safety in Kids continued: two new studies and a potential redirection of the field. British Journal of Anaesthesia, 2019, 122, 716-719.	3.4	15
17	Duration of antibiotics for late-onset Group B streptococcal infection. Journal of Paediatrics and Child Health, 2019, 55, 607-607.	0.8	0
18	Corticosteroids in bronchopulmonary dysplasia. Journal of Paediatrics and Child Health, 2019, 55, 607-608.	0.8	0

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19	Neurodevelopment after general anaesthesia in infants. Lancet, The, 2019, 393, 614-615.	13.7	8
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21	Truncus Arteriosus. , 2019, , 306-309.		1
23	Anesthesia for Dental Procedures. , 2019, , 178-179.		0
24	Strabismus Surgery. , 2019, , 180-183.		0
25	Midgestational Fetal Procedures. , 2019, , 197-201.		0
26	Local Anesthetic Systemic Toxicity (LAST). , 2019, , 246-248.		0
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28	Transitional Circulation. , 2019, , 264-268.		0
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31	Ventricular Septal Defects. , 2019, , 282-285.		0
33	Epilepsy Surgery. , 2019, , 161-163.		0
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35	Adenotonsillectomy. , 2019, , 137-140.		0
36	Acute Postoperative Pain Management. , 2019, , 249-253.		0
38	Truncal Blocks. , 2019, , 236-245.		0
39	Anesthesia for Cardiac Catheterization. , 2019, , 286-289.		0
41	Thyroid Surgery. , 2019, , 149-151.		0

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43	Myringotomy and Ear Tube Placement/Upper Respiratory Infection. , 2019, , 134-136.		0
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67	Emergence Delirium. , 2019, , 26-27.		0
68	Anesthesia Care for the Premature Infant. , 2019, , 28-32.		0
69	Blood and Transfusion. , 2019, , 38-45.		0
72	Spinal Muscular Atrophy. , 2019, , 68-69.		1
73	Outcomes after paediatric anaesthesia. Current Opinion in Anaesthesiology, 2019, 32, 392-397.	2.0	6
74	Editorial. Current Opinion in Anaesthesiology, 2019, 32, 325-326.	2.0	2
76	Does general anesthesia affect neurodevelopment in infants and children?. BMJ, The, 2019, 367, l6459.	6.0	102
77	GAS, PANDA, and MASK. Anesthesiology, 2019, 131, 762-764.	2.5	54
78	Pediatric Trauma. , 2019, , 76-80.		0
79	Infant Hernia Repair and Prevention of Postoperative Apnea. , 2019, , 81-85.		0
80	Esophageal Atresia and Tracheoesophageal Fistula. , 2019, , 92-95.		0
81	Pyloric Stenosis. , 2019, , 96-99.		1
83	Thoracic Surgery in Children. , 2019, , 104-107.		0
84	Congenital Hyperinsulinism and Pancreatectomy. , 2019, , 113-117.		0
85	Hepatic Portoenterostomy; Kasai Procedure. , 2019, , 118-121.		1
86	Tracheobronchial Foreign Body. , 2019, , 141-143.		0
87	Laryngotracheal Reconstruction Surgery. , 2019, , 144-148.		0

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89	The Fontan Patient. , 2019, , 315-319.		0
90	Anesthesia-induced developmental neurotoxicity in children. Chinese Medical Journal, 2019, 132, 1990-1992.	2.3	4
91	Monitoring of the Pediatric Patient. , 2019, , 33-37.		0
92	Burns Management. , 2019, , 70-75.		0
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95	Abdominal Masses. , 2019, , 111-112.		0
97	Myelomeningocele and Hydrocephalus. , 2019, , 152-156.		0
98	Pediatric Neurological Tumors. , 2019, , 157-160.		0
99	Anesthesia for Penile Procedures. , 2019, , 184-188.		0
100	Bladder Exstrophy. , 2019, , 189-192.		0
101	Anesthesia for Ex Utero Intrapartum Therapy (EXIT). , 2019, , 193-196.		0
102	Scoliosis Surgery. , 2019, , 202-207.		0
104	Torsion of an undescended testis “A surgical pediatric emergency. Journal of Pediatric Surgery, 2020, 55, 660-664.	1.6	15
105	Numerous Confounders Affecting the Alleged Association Between Cesarean Deliveries Under General Anesthesia and Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2020, 50, 688-690.	2.7	4
106	Sedation practices in pediatric patients with acute lymphoblastic leukemia. Pediatric Blood and Cancer, 2020, 67, e28037.	1.5	7
107	The Promise and Perils of Big Data in the Clinical Neurosciences. Journal of Neurosurgical Anesthesiology, 2020, 32, 1-3.	1.2	0

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109	Potential impact of epidural labor analgesia on the outcomes of neonates and children. Chinese Medical Journal, 2020, 133, 2353-2358.	2.3	6
110	Neonatal exposure to ketamine disrupts developmental synapse un silencing and predisposes adult mice for stressor-evoked anxiety. Neuropharmacology, 2020, 180, 108300.	4.1	6
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114	Evaluation and Treatment of Early-Onset Scoliosis. JBJS Reviews, 2020, 8, e20.00040-e20.00040.	2.0	4
115	Training in pediatric anesthesia in Japan: how should we come along?. Journal of Anesthesia, 2020, 35, 471-474.	1.7	2
116	Maternal Surgery During Pregnancy Has a Transient Adverse Effect on the Developing Fetal Rabbit Brain. Obstetric Anesthesia Digest, 2020, 40, 139-140.	0.1	1
117	Conditions requiring hospitalisations, more than general anaesthesia itself, are associated with diagnosis of learning disorders in children. Anaesthesia, Critical Care & Pain Medicine, 2020, 39, 777-783.	1.4	1
118	Is Anesthesia Bad for the Brain? Current Knowledge on the Impact of Anesthetics on the Developing Brain. Anesthesiology Clinics, 2020, 38, 477-492.	1.4	11
119	Caudal and Intravenous Anesthesia Without Airway Instrumentation for Laparoscopic Inguinal Hernia Repair in Infants: A Case Series. A&A Practice, 2020, 14, e01251.	0.4	6
120	Pediatric Anesthesia Specialty Societies and Multi-Institutional Collaborations. Children, 2020, 7, 233.	1.5	3
121	The effect of bispectral index guided anesthesia versus standard practice on recovery after sevoflurane anesthesia in children: a prospective randomized double-blind clinical trial. Egyptian Journal of Anaesthesia, 2020, 36, 250-255.	0.5	0
123	The differential effects of isoflurane and sevoflurane on neonatal mice. Scientific Reports, 2020, 10, 19345.	3.3	15
124	Association between surgical procedures under general anesthesia in infancy and developmental outcomes at 1 year: the Japan Environment and Children’s Study. Environmental Health and Preventive Medicine, 2020, 25, 32.	3.4	13
125	The Use of Bispectral Index Monitoring Does Not Change Intraoperative Exposure to Volatile Anesthetics in Children. Journal of Clinical Medicine, 2020, 9, 2437.	2.4	6
126	A Cross-Sectional Analysis of Community Water Fluoridation and Prevalence of Pediatric Dental Surgery Among Medicaid Enrollees. JAMA Network Open, 2020, 3, e205882.	5.9	8
127	Current state of noninvasive, continuous monitoring modalities in pediatric anesthesiology. Current Opinion in Anaesthesiology, 2020, 33, 781-787.	2.0	15

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129	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.	2.2	5
130	The Unspoken Question!. <i>Anesthesia and Analgesia</i> , 2020, 131, 720-722.	2.2	2
131	Exposure to Surgery and Anesthesia in Early Childhood and Subsequent Use of Attention Deficit Hyperactivity Disorder Medications. <i>Anesthesia and Analgesia</i> , 2020, 131, 723-733.	2.2	45
132	Elective Induction of Labor at 39 Weeks Compared With Expectant Management: A Meta-analysis of Cohort Studies. <i>Obstetric Anesthesia Digest</i> , 2020, 40, 140-141.	0.1	0
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134	Management of perianal abscesses in infants without general anaesthesia: a systematic review of the literature. <i>Pediatric Surgery International</i> , 2020, 36, 1317-1325.	1.4	9
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136	Incisional hernia after surgical correction of abdominal congenital anomalies in infants: a systematic review with meta-analysis. <i>Scientific Reports</i> , 2020, 10, 21170.	3.3	1
137	Conscientious Objection, Intersex Surgeries, and a Call for Perioperative Justice. <i>Anesthesia and Analgesia</i> , 2020, 131, 1626-1628.	2.2	3
138	Neurotoxicity of sub-anesthetic doses of sevoflurane and dexmedetomidine co-administration in neonatal rats. <i>NeuroToxicology</i> , 2020, 79, 75-83.	3.0	12
139	Safety in dental care. <i>Journal of the American Dental Association</i> , 2020, 151, 381-383.	1.5	3
140	Awake serial body casting for the management of infantile idiopathic scoliosis: is general anesthesia necessary?. <i>Spine Deformity</i> , 2020, 8, 1109-1115.	1.5	13
141	Neonatal Ketamine Alters High-Frequency Oscillations and Synaptic Plasticity in the Subiculum But Does not Affect Sleep Macrostructure in Adolescent Rats. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 26.	2.5	9
142	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.	4.8	22
143	Infant peripherally inserted central catheter insertion without general anesthesia. <i>Paediatric Anaesthesia</i> , 2020, 30, 1211-1215.	1.1	4
144	Use of dexmedetomidine and opioids as the primary anesthetic in infants and young children: A retrospective cohort study. <i>Paediatric Anaesthesia</i> , 2020, 30, 1013-1019.	1.1	2
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147	Neuroanesthesiology Update. Journal of Neurosurgical Anesthesiology, 2020, 32, 97-119.	1.2	3
148	A contemporary snapshot of circumcision in US children's hospitals. Journal of Pediatric Surgery, 2020, 55, 1134-1138.	1.6	25
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150	Thoroscopic Repair of Congenital Diaphragmatic Hernia. European Journal of Pediatric Surgery, 2020, 30, 137-141.	1.3	9
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152	General Anesthetic-Induced Neurotoxicity in the Immature Brain: Reevaluating the Confounding Factors in the Preclinical Studies. BioMed Research International, 2020, 2020, 1-7.	1.9	4
153	Prenatal Exposure to Ketamine Leads to Anxiety-Like Behaviors and Dysfunction in Bed Nucleus of Stria Terminalis. International Journal of Neuropsychopharmacology, 2020, 23, 181-191.	2.1	5
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156	Impact of anesthesia exposure in early development on learning and sensory functions. Developmental Psychobiology, 2020, 62, 559-572.	1.6	16
157	The Role of Histone Acetylation in the Sevoflurane-induced Inhibition of Neurogenesis in the Hippocampi of Young Mice. Neuroscience, 2020, 432, 73-83.	2.3	11
158	The mTOR Inhibitor Rapamycin Prevents General Anesthesia-Induced Changes in Synaptic Transmission and Mitochondrial Respiration in Late Postnatal Mice. Frontiers in Cellular Neuroscience, 2020, 14, 4.	3.7	11
159	Anesthesia for Major Surgery in the Neonate. Anesthesiology Clinics, 2020, 38, 1-18.	1.4	11
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161	Perioperative management of oral cleft repair: A retrospective chart review. Paediatric Anaesthesia, 2020, 30, 710-712.	1.1	0
162	Halogen gas exposure: toxic effects on the parturient. Toxicology Mechanisms and Methods, 2021, 31, 272-287.	2.7	6
163	Predictors of Anesthetic Exposure in Pediatric MRI. American Journal of Roentgenology, 2021, 216, 799-805.	2.2	10

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166	General anesthesia for cesarean delivery and childhood neurodevelopmental and perinatal outcomes: a secondary analysis of a randomized controlled trial. <i>International Journal of Obstetric Anesthesia</i> , 2021, 45, 34-40.	0.4	6
167	Regional anesthesia in neonates and infants outside the immediate perioperative period: A systematic review of studies with efficacy and safety considerations. <i>Paediatric Anaesthesia</i> , 2021, 31, 132-144.	1.1	3
168	Infant isoflurane exposure affects social behaviours, but does not impair specific cognitive domains in juvenile non-human primates. <i>British Journal of Anaesthesia</i> , 2021, 126, 486-499.	3.4	31
169	Prospectively assessed neurodevelopmental outcomes in studies of anaesthetic neurotoxicity in children: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2021, 126, 433-444.	3.4	80
170	Very early onset eosinophilic esophagitis is common, responds to standard therapy, and demonstrates enrichment for CAPN14 genetic variants. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 244-254.e6.	2.9	26
171	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.	1.1	15
172	Epidemiology of Surgical Procedures, Anesthesia, and Imaging Studies by Gestational Age during the First Year of Life in Medicaid-Insured Infants. <i>Journal of Pediatrics</i> , 2021, 229, 147-153.e1.	1.8	2
173	Neonatal opioids and preschool outcomes. <i>Pediatric Research</i> , 2021, 89, 407-408.	2.3	0
174	Wide range of perioperative drugs and doses used in inguinal hernia repairs for premature infants. <i>Journal of Perinatology</i> , 2021, 41, 577-581.	2.0	0
176	Duration of Surgery, Ventilation, and Length of Hospital Stay Do Not Affect Breastfeeding in Newborns After Early Cleft Lip Repair. <i>Cleft Palate-Craniofacial Journal</i> , 2021, 58, 146-152.	0.9	3
177	Discussion on Current Controversies in Craniosynostosis Research: A Tribute to Ian Jackson. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 1203-1204.	0.7	0
178	Developing Brain and Anesthetic Neurotoxicity. , 2021, , 679-692.		0
179	Sedation in the Neonatal Intensive Care Unit: International Practice. , 2021, , 305-343.		2
180	Fundamentals and innovations in regional anaesthesia for infants and children. <i>Anaesthesia</i> , 2021, 76, 74-88.	3.8	29
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183	A call for more pediatric anesthesia research. <i>Brazilian Journal of Anesthesiology (Elsevier)</i> , 2021, 71, 1-3.	0.4	0

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185	Effects of Maternal Abdominal Surgery on Fetal Brain Development in the Rabbit Model. Fetal Diagnosis and Therapy, 2021, 48, 189-200.	1.4	9
186	Cochlear Implantation in Infants: Why and How. Trends in Hearing, 2021, 25, 233121652110317.	1.3	13
187	Developmental Anatomy and Physiology of the Central Nervous System in Children. , 2021, , 15-50.		0
188	Neuromonitoring and Sedation; Is There a Role?. , 2021, , 107-123.		0
189	Feasibility of Three-Dimensional Balanced Steady-State Free Precession Cine Magnetic Resonance Imaging Combined with an Image Denoising Technique to Evaluate Cardiac Function in Children with Repaired Tetralogy of Fallot. Korean Journal of Radiology, 2021, 22, 1525.	3.4	1
190	Role of Unfolded Protein Response and Endoplasmic Reticulum-Associated Degradation by Repeated Exposure to Inhalation Anesthetics in <i>Caenorhabditis elegans</i> . International Journal of Medical Sciences, 2021, 18, 2890-2896.	2.5	2
191	The increasing trend of observational studies in clinical research: Have we forgotten and started defying the hierarchy?. Indian Journal of Anaesthesia, 2021, 65, 186.	1.0	7
192	Surgical Management of Pediatric Inguinal Hernia: A Systematic Review and Guideline from the European Pediatric Surgeons' Association Evidence and Guideline Committee. European Journal of Pediatric Surgery, 2022, 32, 219-232.	1.3	22
193	Feasibility of effectiveness trials in pediatric anesthesia. Paediatric Anaesthesia, 2021, 31, 390-396.	1.1	0
194	In Response. Anesthesia and Analgesia, 2021, 132, e47-e48.	2.2	1
195	Incisional hernia after abdominal surgery in infants: A retrospective analysis of incidence and risk factors. Journal of Pediatric Surgery, 2021, 56, 2107-2112.	1.6	7
196	Should I irradiate with computed tomography or sedate for magnetic resonance imaging?. Pediatric Radiology, 2022, 52, 340-344.	2.0	12
197	Post-Surgery Cognitive Dysfunction Diagnostics in Children. Voprosy Sovremennoi Pediatrii - Current Pediatrics, 2021, 20, 23-30.	0.4	0
198	Comparing Results of Syndactyly Operated Children Younger and Older Than 1 Year. Annals of Plastic Surgery, 2021, 86, 635-639.	0.9	1
199	The relationship between exposure to general anesthetic agents and the risk of developing an impulse control disorder. Pharmacological Research, 2021, 165, 105440.	7.1	1
200	A decade later, there are still major issues to be addressed in paediatric anaesthesia. Current Opinion in Anaesthesiology, 2021, 34, 271-275.	2.0	7
201	Prevalence of Surgical, Anesthetic, and Device-related Complications Among Infants Implanted Before 9 and 12 Months of Age Versus Older Children: Evidence for the Continued Expansion of Pediatric Cochlear Implant Candidacy Criteria. Otology and Neurotology, 2021, 42, e666-e674.	1.3	7

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204	Current State of Analgesia and Sedation in the Pediatric Intensive Care Unit. Journal of Clinical Medicine, 2021, 10, 1847.	2.4	24
205	The effect of sevoflurane anesthesia for dental procedure on neurocognition in children: a prospective, equivalence, controlled trial. BMC Pediatrics, 2021, 21, 177.	1.7	12
206	Resveratrol ameliorates sevoflurane-induced cognitive impairment by activating the SIRT1/NF- κ B pathway in neonatal mice. Journal of Nutritional Biochemistry, 2021, 90, 108579.	4.2	45
207	Strategies to perform magnetic resonance imaging in infants and young children without sedation. Pediatric Radiology, 2022, 52, 374-381.	2.0	20
208	Anesthesia and the Developing Brain: A Review of Sevoflurane-induced Neurotoxicity in Pediatric Populations. Clinical Therapeutics, 2021, 43, 762-778.	2.5	17
209	Sevoflurane impairs m6A-mediated mRNA translation and leads to fine motor and cognitive deficits. Cell Biology and Toxicology, 2022, 38, 347-369.	5.3	19
210	Safety challenges related to the use of sedation and general anesthesia in pediatric patients undergoing magnetic resonance imaging examinations. Pediatric Radiology, 2021, 51, 724-735.	2.0	34
211	Emergence delirium in children: a Brazilian survey. Brazilian Journal of Anesthesiology (Elsevier), 2022, 72, 207-212.	0.4	3
212	Effect of dexmedetomidine on sevoflurane-induced neurodegeneration in neonatal rats. British Journal of Anaesthesia, 2021, 126, 1009-1021.	3.4	18
213	The effects of early anesthesia on neurodevelopment: A systematic review. Journal of Pediatric Surgery, 2021, 56, 851-861.	1.6	29
214	Recent advances in understanding cognitive and behavioural alterations after early-in-life anaesthesia exposure and new mitigation/alternative strategies in preclinical studies. Current Opinion in Anaesthesiology, 2021, 34, 402-408.	2.0	8
215	Lifetime impact of achondroplasia: Current evidence and perspectives on the natural history. Bone, 2021, 146, 115872.	2.9	30
216	Early pediatric Cochlear implantation: An update. Laryngoscope Investigative Otolaryngology, 2021, 6, 512-521.	1.5	16
217	Preventing the Long-term Effects of General Anesthesia on the Developing Brain: How Translational Research can Contribute. Neuroscience, 2021, 461, 172-179.	2.3	5
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