Arjan B Te Pas

List of Publications by Year
in descending order

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253 papers	9,311 citations	44069 48 h-index	54911 84 g-index
258 all docs	258 docs citations	258 times ranked	3765 citing authors

#	Article	IF	Citations
1	European Consensus Guidelines on the Management of Respiratory Distress Syndrome â€“ 2019 Update. Neonatology, 2019, 115, 432-450.	2.0	780
2	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. Journal of Physiology, 2013, 591, 2113-2126.	2.9	365
3	European Resuscitation Council Guidelines 2021: Newborn resuscitation and support of transition of infants at birth. Resuscitation, 2021, 161, 291-326.	3.0	251
4	A Randomized, Controlled Trial of Delivery-Room Respiratory Management in Very Preterm Infants. Pediatrics, 2007, 120, 322-329.	2.1	238
5	Neonatal Life Support: 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. Circulation, 2020, 142, S185-S221.	1.6	185
6	Establishing Functional Residual Capacity at Birth: The Effect of Sustained Inflation and Positive End-Expiratory Pressure in a Preterm Rabbit Model. Pediatric Research, 2009, 65, 537-541.	2.3	178
7	From Liquid to Air: Breathing after Birth. Journal of Pediatrics, 2008, 152, 607-611.	1.8	176
8	Cardiovascular transition at birth: a physiological sequence. Pediatric Research, 2015, 77, 608-614.	2.3	170
9	Changes in heart rate in the first minutes after birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2010, 95, F177-F181.	2.8	158
10	Respiratory transition in the newborn: a three-phase process. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F266-F271.	2.8	153
11	Effect of Sustained Inflation Length on Establishing Functional Residual Capacity at Birth in Ventilated Premature Rabbits. Pediatric Research, 2009, 66, 295-300.	2.3	141
12	Reducing Lung Injury during Neonatal Resuscitation of Preterm Infants. Journal of Pediatrics, 2008, 153, 741-745.	1.8	140
13	Effect of Sustained Inflations vs Intermittent Positive Pressure Ventilation on Bronchopulmonary Dysplasia or Death Among Extremely Preterm Infants. JAMA - Journal of the American Medical Association, 2019, 321, 1165.	7.4	137
14	Positive end-expiratory pressure enhances development of a functional residual capacity in preterm rabbits ventilated from birth. Journal of Applied Physiology, 2009, 106, 1487-1493.	2.5	134
15	Breathing Patterns in Preterm and Term Infants Immediately After Birth. Pediatric Research, 2009, 65, 352-356.	2.3	133
16	Respiratory monitoring of neonatal resuscitation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2010, 95, F295-F303.	2.8	125
17	Oxygen saturation and heart rate during delivery room resuscitation of infants <30 weeks' gestation with air or 100% oxygen. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2009, 94, F87-F91.	2.8	121
18	An Initial Sustained Inflation Improves the Respiratory and Cardiovascular Transition at Birth in Preterm Lambs. Pediatric Research, 2011, 70, 56-60.	2.3	119

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19	Pulse Oximetry Measures a Lower Heart Rate at Birth Compared withÂElectrocardiography. Journal of Pediatrics, 2015, 166, 49-53.	1.8	114
20	Ventilation Onset Prior to Umbilical Cord Clamping (Physiological-Based Cord Clamping) Improves Systemic and Cerebral Oxygenation in Preterm Lambs. PLoS ONE, 2015, 10, e0117504.	2.5	112
21	Inspiration regulates the rate and temporal pattern of lung liquid clearance and lung aeration at birth. Journal of Applied Physiology, 2009, 106, 1888-1895.	2.5	100
22	A physiological approach to the timing of umbilical cord clamping at birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F355-F360.	2.8	99
23	Effect of Hydrocortisone Therapy Initiated 7 to 14 Days After Birth on Mortality or Bronchopulmonary Dysplasia Among Very Preterm Infants Receiving Mechanical Ventilation. JAMA - Journal of the American Medical Association, 2019, 321, 354.	7.4	97
24	Auditing resuscitation of preterm infants at birth by recording video and physiological parameters. Resuscitation, 2012, 83, 1135-1139.	3.0	92
25	Umbilical blood flow patterns directly after birth before delayed cord clamping. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F121-F125.	2.8	92
26	Humidified and Heated Air During Stabilization at Birth Improves Temperature in Preterm Infants. Pediatrics, 2010, 125, e1427-e1432.	2.1	90
27	Measuring Physiological Changes during the Transition to Life after Birth. Neonatology, 2014, 105, 230-242.	2.0	89
28	Automated versus Manual Oxygen Control with Different Saturation Targets and Modes of Respiratory Support in Preterm Infants. Journal of Pediatrics, 2015, 167, 545-550.e2.	1.8	88
29	Laryngeal closure impedes non-invasive ventilation at birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F112-F119.	2.8	85
30	Leak and obstruction with mask ventilation during simulated neonatal resuscitation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2010, 95, F398-F402.	2.8	84
31	Intravenous Immunoglobulin in Neonates With Rhesus Hemolytic Disease: A Randomized Controlled Trial. Pediatrics, 2011, 127, 680-686.	2.1	80
32	The timing of umbilical cord clamping at birth: physiological considerations. Maternal Health, Neonatology and Perinatology, 2016, 2, 4.	2.2	80
33	Oxygenation with T-Piece versus Self-Inflating Bag for Ventilation of Extremely Preterm Infants at Birth: A Randomized Controlled Trial. Journal of Pediatrics, 2011, 158, 912-918.e2.	1.8	79
34	Evaluating Manual Inflations and Breathing during Mask Ventilation inÂPreterm Infants at Birth. Journal of Pediatrics, 2013, 162, 457-463.	1.8	79
35	Effects of a Sustained Inflation in Preterm Infants at Birth. Journal of Pediatrics, 2014, 165, 903-908.e1.	1.8	78
36	Pulse oximetry in newborns with delayed cord clamping and immediate skin-to-skin contact. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F309-F314.	2.8	78

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37	Expired CO2 Levels Indicate Degree of Lung Aeration at Birth. PLoS ONE, 2013, 8, e70895.	2.5	75
38	Spontaneous Breathing Patterns of Very Preterm Infants Treated With Continuous Positive Airway Pressure at Birth. Pediatric Research, 2008, 64, 281-285.	2.3	70
39	Neonatal Life Support 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. Resuscitation, 2020, 156, A156-A187.	3.0	66
40	Establishing functional residual capacity in the non-breathing infant. Seminars in Fetal and Neonatal Medicine, 2013, 18, 336-343.	2.3	65
41	IMAGING LUNG AERATION AND LUNG LIQUID CLEARANCE AT BIRTH USING PHASE CONTRAST Xâ€RAY IMAGING. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 117-125.	1.9	64
42	Initial Respiratory Support with Cold, Dry Gas versus Heated Humidified Gas and Admission Temperature of Preterm Infants. Journal of Pediatrics, 2015, 166, 245-250.e1.	1.8	64
43	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. Frontiers in Pediatrics, 2014, 2, 113.	1.9	61
44	Physiologically based cord clamping stabilises cardiac output and reduces cerebrovascular injury in asphyxiated near-term lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F530-F538.	2.8	60
45	Caffeine to improve breathing effort of preterm infants at birth: a randomized controlled trial. Pediatric Research, 2017, 82, 290-296.	2.3	58
46	Noninvasive measurements of hemodynamic transition directly after birth. Pediatric Research, 2014, 75, 448-452.	2.3	55
47	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. Journal of Physiology, 2016, 594, 1389-1398.	2.9	55
48	Mask Versus Nasal Tube for Stabilization of Preterm Infants at Birth: A Randomized Controlled Trial. Pediatrics, 2013, 132, e381-e388.	2.1	53
49	Physiological-based cord clamping in very preterm infants â€" Randomised controlled trial on effectiveness of stabilisation. Resuscitation, 2020, 147, 26-33.	3.0	53
50	Preoperative cranial ultrasound findings in infants with major congenital heart disease. Acta Paediatrica, International Journal of Paediatrics, 2005, 94, 1597-1603.	1.5	52
51	Sedation during Minimal Invasive Surfactant Therapy in Preterm Infants. Neonatology, 2016, 109, 308-313.	2.0	52
52	The risk for hyperoxaemia after apnoea, bradycardia and hypoxaemia in preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F269-F273.	2.8	49
53	Physiological-based cord clamping in preterm infants using a new purpose-built resuscitation table: a feasibility study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315483.	2.8	49
54	The effect of a face mask for respiratory support on breathing in preterm infants at birth. Resuscitation, 2019, 144, 178-184.	3.0	48

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55	Cardiorespiratory Monitoring during Neonatal Resuscitation for Direct Feedback and Audit. Frontiers in Pediatrics, 2016, 4, 38.	1.9	44
56	Sustained Aeration of Infant Lungs (SAIL) trial: study protocol for a randomized controlled trial. Trials, 2015, 16, 95.	1.6	43
57	Repetitive versus standard tactile stimulation of preterm infants at birth â€“ A randomized controlled trial. Resuscitation, 2018, 127, 37-43.	3.0	42
58	Sedation during minimal invasive surfactant therapy: a randomised controlled trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315015.	2.8	42
59	Poor Accuracy of Methods Currently Used to Determine Umbilical Catheter Insertion Length. International Journal of Pediatrics (United Kingdom), 2010, 2010, 1-6.	0.8	41
60	Systemic hydrocortisone to prevent bronchopulmonary dysplasia in preterm infants (the SToP-BPD) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	41
61	The role of lung inflation and sodium transport in airway liquid clearance during lung aeration in newborn rabbits. Pediatric Research, 2013, 73, 443-449.	2.3	41
62	Ventilation/perfusion mismatch during lung aeration at birth. Journal of Applied Physiology, 2014, 117, 535-543.	2.5	41
63	Auditing documentation on delivery room management using video and physiological recordings. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F485-F490.	2.8	40
64	The Effect of Initial High vs. Low FiO2 on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 504.	1.9	39
65	The effect of implementing an automated oxygen control on oxygen saturation in preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F395-F399.	2.8	38
66	A multi-centre randomised controlled trial of respiratory function monitoring during stabilisation of very preterm infants at birth. Resuscitation, 2021, 167, 317-325.	3.0	38
67	Surfactant Increases the Uniformity of Lung Aeration at Birth in Ventilated Preterm Rabbits. Pediatric Research, 2011, 70, 50-55.	2.3	37
68	Non-invasive measurements of ductus arteriosus flow directly after birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F408-F412.	2.8	37
69	Aspects of pulse oximetry screening for critical congenital heart defects: when, how and why?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F162-F167.	2.8	37
70	Postnatal management of fetal and neonatal alloimmune thrombocytopenia: the role of matched platelet transfusion and IVIG. European Journal of Pediatrics, 2007, 166, 1057-1063.	2.7	35
71	Effective ventilation: The most critical intervention for successful delivery room resuscitation. Seminars in Fetal and Neonatal Medicine, 2018, 23, 340-346.	2.3	35
72	Ventilation and Spontaneous Breathing at Birth of Infants with Congenital Diaphragmatic Hernia. Journal of Pediatrics, 2009, 154, 369-373.	1.8	34

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73	Is routine TORCH screening and urine CMV culture warranted in small for gestational age neonates?. Early Human Development, 2011, 87, 103-107.	1.8	34
74	Revised formula to determine the insertion length of umbilical vein catheters. European Journal of Pediatrics, 2013, 172, 1011-1015.	2.7	34
75	Tactile Stimulation to Stimulate Spontaneous Breathing during Stabilization of Preterm Infants at Birth: A Retrospective Analysis. Frontiers in Pediatrics, 2017, 5, 61.	1.9	34
76	Compliance in oxygen saturation targeting in preterm infants: a systematic review. European Journal of Pediatrics, 2015, 174, 1561-1572.	2.7	33
77	Management and Outcome in 32 Neonates with Thrombotic Events. International Journal of Pediatrics (United Kingdom), 2011, 2011, 1-5.	0.8	31
78	Current Practice of Cord Clamping in The Netherlands: A Questionnaire Study. Neonatology, 2015, 107, 50-55.	2.0	31
79	Visual attention on a respiratory function monitor during simulated neonatal resuscitation: an eye-tracking study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F259-F264.	2.8	31
80	Effect of body position and ventilation on umbilical artery and venous blood flows during delayed umbilical cord clamping in preterm lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F312-F319.	2.8	30
81	Use of Heated Humidified Gases for Early Stabilization of Preterm Infants: A Meta-Analysis. Frontiers in Pediatrics, 2018, 6, 319.	1.9	30
82	No short-term benefits of antenatal corticosteroid treatment in severely preterm growth restricted fetuses: A caseâ€“control study. Early Human Development, 2009, 85, 253-257.	1.8	29
83	Hypothermia in Preterm Infants in the First Hours after Birth: Occurrence, Course and Risk Factors. PLoS ONE, 2016, 11, e0164817.	2.5	28
84	Bloodstream Infection Incidence of Different Central Venous Catheters in Neonates: A Descriptive Cohort Study. Frontiers in Pediatrics, 2017, 5, 142.	1.9	28
85	Supporting breathing of preterm infants at birth: a narrative review. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F102-F107.	2.8	28
86	Iatrogenic blood loss in extreme preterm infants due to frequent laboratory tests and procedures. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 2660-2665.	1.5	28
87	Reflexes that impact spontaneous breathing of preterm infants at birth: a narrative review. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 675-679.	2.8	28
88	Sustained Inflation vs Standard Resuscitation for Preterm Infants. JAMA Pediatrics, 2020, 174, e195897.	6.2	28
89	Mask versus Nasal Tube for Stabilization of Preterm Infants at Birth: Respiratory Function Measurements. Journal of Pediatrics, 2015, 167, 81-85.e1.	1.8	27
90	Variability in the Assessment of â€˜Adequateâ€™ Chest Excursion during Simulated Neonatal Resuscitation. Neonatology, 2011, 100, 99-104.	2.0	26

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91	Effectivity of ventilation by measuring expired CO₂and RIP during stabilisation of preterm infants at birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F514-F518.	2.8	26
92	Clinical aspects of incorporating cord clamping into stabilisation of preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F493-F497.	2.8	26
93	The physiology of neonatal resuscitation. Current Opinion in Pediatrics, 2018, 30, 187-191.	2.0	26
94	Is Routine TORCH Screening Warranted in Neonates with Lenticulostriate Vasculopathy?. Neonatology, 2010, 97, 274-278.	2.0	25
95	Early nasal continuous positive airway pressure and low threshold for intubation in very preterm infants. Acta Paediatrica, International Journal of Paediatrics, 2008, 97, 1049-1054.	1.5	24
96	Investigating the European perspective of neonatal point-of-care echocardiography in the neonatal intensive care unitâ€”a pilot study. European Journal of Pediatrics, 2013, 172, 907-911.	2.7	24
97	Thrombosis after umbilical venous catheterisation: prospective study with serial ultrasound. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 299-303.	2.8	24
98	Automated oxygen control in preterm infants, how does it work and what to expect: a narrative review. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 215-221.	2.8	24
99	Optimizing lung aeration at birth using a sustained inflation and positive pressure ventilation in preterm rabbits. Pediatric Research, 2016, 80, 85-91.	2.3	23
100	Ethical dilemmas of recording and reviewing neonatal resuscitation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F280-F284.	2.8	23
101	Increasing Respiratory Effort With 100% Oxygen During Resuscitation of Preterm Rabbits at Birth. Frontiers in Pediatrics, 2019, 7, 427.	1.9	23
102	Comparison of Two Respiratory Support Strategies for Stabilization of Very Preterm Infants at Birth: A Matched-Pairs Analysis. Frontiers in Pediatrics, 2019, 7, 3.	1.9	23
103	Changes in Positive End-Expiratory Pressure Alter the Distribution of Ventilation within the Lung Immediately after Birth in Newborn Rabbits. PLoS ONE, 2014, 9, e93391.	2.5	23
104	Elevated airway liquid volumes at birth: a potential cause of transient tachypnea of the newborn. Journal of Applied Physiology, 2017, 123, 1204-1213.	2.5	22
105	Benefits of recording and reviewing neonatal resuscitation: the providersâ€™ perspective. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F528-F534.	2.8	22
106	The perfusion index of healthy term infants during transition at birth. European Journal of Pediatrics, 2016, 175, 475-479.	2.7	21
107	Inadvertent Migration of Umbilical Venous Catheters Often Leads to Malposition. Neonatology, 2019, 115, 205-210.	2.0	21
108	Intractable congenital chylous ascites. Acta Paediatrica, International Journal of Paediatrics, 2004, 93, 1403-1405.	1.5	20

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109	Compressive force applied to a manikin's head during mask ventilation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2012, 97, F254-F258.	2.8	20
110	Monitoring tidal volumes in preterm infants at birth: mask versus endotracheal ventilation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F43-F46.	2.8	20
111	Early-Onset Thrombocytopenia in Small-For-Gestational-Age Neonates: A Retrospective Cohort Study. PLoS ONE, 2016, 11, e0154853.	2.5	20
112	Sustained Lung Inflation. Clinics in Perinatology, 2016, 43, 633-646.	2.1	20
113	Pulse Oximetry Screening for Critical Congenital Heart Disease after Home Birth and Early Discharge. Journal of Pediatrics, 2016, 170, 188-192.e1.	1.8	20
114	Effect of Tactile Stimulation on Termination and Prevention of Apnea of Prematurity: A Systematic Review. Frontiers in Pediatrics, 2018, 6, 45.	1.9	20
115	Tactile stimulation in the delivery room: do we practice what we preach?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F661-F662.	2.8	20
116	Respiratory distress syndrome and bronchopulmonary dysplasia after fetal growth restriction: Lessons from a natural experiment in identical twins. EClinicalMedicine, 2021, 32, 100725.	7.1	20
117	Very Preterm Infants Failing CPAP Show Signs of Fatigue Immediately after Birth. PLoS ONE, 2015, 10, e0129592.	2.5	19
118	Perinatal stabilisation of infants born with congenital diaphragmatic hernia: a review of current concepts. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 449-454.	2.8	19
119	Low signal quality pulse oximetry measurements in newborn infants are reliable for oxygen saturation but underestimate heart rate. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, e158-63.	1.5	18
120	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. Journal of Physiology, 2017, 595, 1593-1606.	2.9	18
121	Improving Guideline Compliance and Documentation Through Auditing Neonatal Resuscitation. Frontiers in Pediatrics, 2019, 7, 294.	1.9	18
122	Does Parenteral Nutrition Influence Electrolyte and Fluid Balance in Preterm Infants in the First Days after Birth?. PLoS ONE, 2010, 5, e9033.	2.5	17
123	Changes in Respiratory Support of Preterm Infants in the Last Decade: Are We Improving?. Neonatology, 2012, 101, 247-253.	2.0	17
124	Two-Minute Training for Improving Neonatal Bag and Mask Ventilation. PLoS ONE, 2014, 9, e109049.	2.5	17
125	Adapted protocol for pulse oximetry screening for congenital heart defects in a country with homebirths. European Journal of Pediatrics, 2015, 174, 129-132.	2.7	17
126	Improving Neonatal Care with Technology. Frontiers in Pediatrics, 2017, 5, 110.	1.9	17

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127	Effectiveness of Stabilization of Preterm Infants With Intact Umbilical Cord Using a Purpose-Built Resuscitation Tableâ€"Study Protocol for a Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 134.	1.9	17
128	Risk of Persistent Pulmonary Hypertension of the Neonate in Twin-to-Twin Transfusion Syndrome. Neonatology, 2007, 92, 134-138.	2.0	16
129	Diagnostic and therapeutic management for suspected neonatal herpes simplex virus infection. Journal of Clinical Virology, 2011, 51, 8-11.	3.1	16
130	Changing gas flow during neonatal resuscitation: A manikin study. Resuscitation, 2011, 82, 920-924.	3.0	16
131	Optimal Target Range of Closed-Loop Inspired Oxygen Support in Preterm Infants: A Randomized Cross-Over Study. Journal of Pediatrics, 2018, 197, 36-41.	1.8	16
132	Femoral Vein Catheter is an Important Risk Factor for Catheter-related Thrombosis in (Near-)term Neonates. Journal of Pediatric Hematology/Oncology, 2018, 40, e64-e68.	0.6	16
133	Stimulating and maintaining spontaneous breathing during transition of preterm infants. Pediatric Research, 2021, 90, 722-730.	2.3	16
134	Restrictive guideline for red blood cell transfusions in preterm neonates: effect of a protocol change. Vox Sanguinis, 2019, 114, 57-62.	1.5	16
135	Effect of spontaneous breathing on umbilical venous blood flow and placental transfusion during delayed cord clamping in preterm lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 26-32.	2.8	16
136	Early Respiratory Management of Respiratory Distress Syndrome in Very Preterm Infants and Bronchopulmonary Dysplasia: A Case-Control Study. PLoS ONE, 2007, 2, e192.	2.5	16
137	Accuracy of currently available neonatal respiratory function monitors for neonatal resuscitation. European Journal of Pediatrics, 2016, 175, 1065-1070.	2.7	15
138	Long-Term Neurodevelopmental Outcome after Doxapram for Apnea of Prematurity. Neonatology, 2016, 110, 21-26.	2.0	15
139	Improving manual oxygen titration in preterm infants by training and guideline implementation. European Journal of Pediatrics, 2017, 176, 99-107.	2.7	15
140	Corrective steps to enhance ventilation in the delivery room. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 605-608.	2.8	15
141	Effect of Systemic Hydrocortisone Initiated 7 to 14 Days After Birth in Ventilated Preterm Infants on Mortality and Neurodevelopment at 2 Yearsâ€™ Corrected Age. JAMA - Journal of the American Medical Association, 2021, 326, 355.	7.4	15
142	Leak during Manual Neonatal Ventilation and Its Effect on the Delivered Pressures and Volumes: An in vitro Study. Neonatology, 2012, 102, 190-195.	2.0	14
143	Establishing lung gas volumes at birth: interaction between positive end-expiratory pressures and tidal volumes in preterm rabbits. Pediatric Research, 2013, 73, 734-741.	2.3	14
144	Lung hypoplasia in newborn rabbits with a diaphragmatic hernia affects pulmonary ventilation but not perfusion. Pediatric Research, 2017, 82, 536-543.	2.3	14

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145	The Breathing Effort of Very Preterm Infants at Birth. Journal of Pediatrics, 2018, 194, 54-59.	1.8	14
146	Animal models in neonatal resuscitation research: What can they teach us?. Seminars in Fetal and Neonatal Medicine, 2018, 23, 300-305.	2.3	14
147	Provider visual attention on a respiratory function monitor during neonatal resuscitation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 666-668.	2.8	14
148	Haemoglobin discordances in twins: due to differences in timing of cord clamping?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F324-F328.	2.8	13
149	Neonatal management and outcome after thoracoamniotic shunt placement for fetal hydrothorax. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F245-F249.	2.8	13
150	The Changing Landscape in Supporting Preterm Infants at Birth. Neonatology, 2019, 115, 392-397.	2.0	13
151	Severe Hemorrhage after Low-Molecular-Weight Heparin Treatment in a Preterm Neonate. Neonatology, 2011, 99, 247-249.	2.0	12
152	Low versus High Gas Flow Rate for Respiratory Support of Infants at Birth: A Manikin Study. Neonatology, 2011, 99, 266-271.	2.0	12
153	Nitroglycerin for severe ischaemic injury after peripheral arterial line in a preterm infant. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, e144-5.	1.5	12
154	The Administration of 100% Oxygen and Respiratory Drive in Very Preterm Infants at Birth. PLoS ONE, 2013, 8, e76898.	2.5	12
155	The Influence of Crying on the Ductus Arteriosus Shunt and Left Ventricular Output at Birth. Neonatology, 2015, 107, 108-112.	2.0	12
156	Maternal acceptability of pulse oximetry screening at home after home birth or very early discharge. European Journal of Pediatrics, 2017, 176, 669-672.	2.7	12
157	Accuracy of Pulse Oximetry Screening for Critical Congenital Heart Defects after Home Birth and Early Postnatal Discharge. Journal of Pediatrics, 2018, 197, 29-35.e1.	1.8	12
158	Issues in cardiopulmonary transition at birth. Seminars in Fetal and Neonatal Medicine, 2019, 24, 101033.	2.3	12
159	Time to achieve desired fraction of inspired oxygen using a T-piece ventilator during resuscitation of preterm infants at birth. Resuscitation, 2019, 136, 100-104.	3.0	12
160	Reliability of Single-Use PEEP-Valves Attached to Self-Inflating Bags during Manual Ventilation of Neonates â€“ An In Vitro Study. PLoS ONE, 2016, 11, e0150224.	2.5	12
161	Time to Adjust to Changes in Ventilation Settings Varies Significantly between Different T-Piece Resuscitators, Self-Inflating Bags, and Manometer Equipped Self-Inflating Bags. American Journal of Perinatology, 2014, 31, 505-512.	1.4	11
162	Oxygen saturation and heart rate in healthy term and late preterm infants with delayed cord clamping. Pediatric Research, 2022, , .	2.3	11

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163	Monitoring Oxygenation and Gas Exchange in Neonatal Intensive Care Units: Current Practice in the Netherlands. Frontiers in Pediatrics, 2015, 3, 94.	1.9	10
164	Novel Approaches to Neonatal Resuscitation and the Impact on Birth Asphyxia. Clinics in Perinatology, 2016, 43, 455-467.	2.1	10
165	Hemoglobin Differences in Uncomplicated Monochorionic Twins in Relation to Birth Order and Mode of Delivery. Twin Research and Human Genetics, 2016, 19, 241-245.	0.6	10
166	Effect of a smaller target range on the compliance in targeting and distribution of oxygen saturation in preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F430-F435.	2.8	10
167	Tidal volumes at birth as predictor for adverse outcome in congenital diaphragmatic hernia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 248-252.	2.8	10
168	Physiologic-Based Cord Clamping Maintains Core Temperature vs. Immediate Cord Clamping in Near-Term Lambs. Frontiers in Pediatrics, 2020, 8, 584983.	1.9	10
169	Comparison of two devices for automated oxygen control in preterm infants: a randomised crossover trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 20-25.	2.8	10
170	Automation of oxygen titration in preterm infants: Current evidence and future challenges. Early Human Development, 2021, 162, 105462.	1.8	10
171	Delivery Room Management of Infants with Very Low Birth Weight in 3 European Countriesâ€"The Video Apgar Study. Journal of Pediatrics, 2020, 222, 106-111.e2.	1.8	10
172	Transfusion or Timing: The Role of Blood Volume in Delayed Cord Clamping During the Cardiovascular Transition at Birth. Frontiers in Pediatrics, 2019, 7, 405.	1.9	9
173	Persistent pulmonary hypertension in neonates with perinatal asphyxia and therapeutic hypothermia: a frequent and perilous combination. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 4969-4975.	1.5	9
174	Reviewing recordings of neonatal resuscitation with parents. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 346-351.	2.8	9
175	Ventilation of Very Preterm Infants in the Delivery Room. Current Pediatric Reviews, 2006, 2, 187-197.	0.8	8
176	Techniques and Devices to Improve Noninvasive Ventilation in the Delivery Room. NeoReviews, 2012, 13, e353-e363.	0.8	8
177	The first breaths of life: imaging studies of the human infant during neonatal transition. Paediatric Respiratory Reviews, 2015, 16, 143-146.	1.8	8
178	Leukocyte Counts and Other Hematological Values in Twin-Twin Transfusion Syndrome and Twin Anemia-Polycythemia Sequence. Fetal Diagnosis and Therapy, 2020, 47, 123-128.	1.4	8
179	Necrotizing enterocolitis in haemolytic disease of the newborn: a retrospective cohort study. Vox Sanguinis, 2020, 115, 196-201.	1.5	8
180	Video-based reflection on neonatal interventions during COVID-19 using eye-tracking glasses: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 156-160.	2.8	8

#	Article	IF	Citations
181	Routine TORCH screening is not warranted in neonates with subependymal cysts. Early Human Development, 2010, 86, 203-207.	1.8	7
182	Persistent Pulmonary Hypertension of the Newborn in Twin-Twin Transfusion Syndrome: A Case-Control Study. Neonatology, 2017, 112, 402-408.	2.0	7
183	Deferred consent for the enrolment of neonates in delivery room studies: strengthening the approach. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-316461.	2.8	7
184	Short report: Post-operative wound infections after the gentle caesarean section. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2019, 241, 131-132.	1.1	7
185	Improving the Quality of Provided Care: Lessons Learned From Auditing Neonatal Stabilization. Frontiers in Pediatrics, 2020, 8, 560.	1.9	7
186	Improving Newborn Respiratory Outcomes With a Sustained Inflation: A Systematic Narrative Review of Factors Regulating Outcome in Animal and Clinical Studies. Frontiers in Pediatrics, 2020, 8, 516698.	1.9	7
187	Comparing the effect of two different interfaces on breathing of preterm infants at birth: A matched-pairs analysis. Resuscitation, 2020, 157, 60-66.	3.0	7
188	Cardiorespiratory monitoring in the delivery room using transcutaneous electromyography. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 352-356.	2.8	7
189	Physiological-based cord clamping versus immediate cord clamping for infants born with a congenital diaphragmatic hernia (PinC): study protocol for a multicentre, randomised controlled trial. BMJ Open, 2022, 12, e054808.	1.9	7
190	Effects of naloxone on the breathing pattern of a newborn exposed to maternal opiates. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, e309-12.	1.5	6
191	A randomised trial of placing preterm infants on their back or left side after birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F397-F400.	2.8	6
192	High vs. Low Initial Oxygen to Improve the Breathing Effort of Preterm Infants at Birth: Study Protocol for a Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 179.	1.9	6
193	Cost-effectiveness analysis of pulse oximetry screening for critical congenital heart defects following homebirth and early discharge. European Journal of Pediatrics, 2019, 178, 97-103.	2.7	6
194	Effect of breathing on venous return during delayed cord clamping: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 65-69.	2.8	6
195	High-CPAP Does Not Impede Cardiovascular Changes at Birth in Preterm Sheep. Frontiers in Pediatrics, 2020, 8, 584138.	1.9	6
196	Do We Deliver the Pressures We Intend to When Using a T-Piece Resuscitator?. PLoS ONE, 2013, 8, e64706.	2.5	6
197	The newborn delivery room of tomorrow: emerging and future technologies. Pediatric Research, 2022, , .	2.3	6
198	Accuracy of a disposable compared to a non-disposable infant T-piece resuscitator. European Journal of Pediatrics, 2014, 173, 1005-9.	2.7	5

#	Article	IF	Citations
199	Correlation and Interchangeability of Venous and Capillary Blood Gases in Non-Critically Ill Neonates. Frontiers in Pediatrics, 2018, 6, 89.	1.9	5
200	Improving lung aeration in ventilated newborn preterm rabbits with a partially aerated lung. Journal of Applied Physiology, 2020, 129, 891-900.	2.5	5
201	Deferred consent for delivery room studies: the providersâ€™ perspective. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 310-315.	2.8	5
202	The Effect of Initial Oxygen Exposure on Diaphragm Activity in Preterm Infants at Birth. Frontiers in Pediatrics, 2021, 9, 640491.	1.9	5
203	Effect of maternal oxytocin on umbilical venous and arterial blood flows during physiological-based cord clamping in preterm lambs. PLoS ONE, 2021, 16, e0253306.	2.5	5
204	Increased end-expiratory pressures improve lung function in near-term newborn rabbits with elevated airway liquid volume at birth. Journal of Applied Physiology, 2021, 131, 997-1008.	2.5	5
205	Comparing pulse rate measurement in newborns using conventional and dryâ€electrode ECG monitors. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 1137-1143.	1.5	5
206	Clinical outcomes of preterm infants while using automated controllers during standard care: comparison of cohorts with different automated titration strategies. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2023, 108, 26-30.	2.8	5
207	Feasibility of pulse oximetry for assessment of infants born in community based midwifery care. Midwifery, 2014, 30, 539-543.	2.3	4
208	Effect of betamethasone, surfactant, and positive end-expiratory pressures on lung aeration at birth in preterm rabbits. Journal of Applied Physiology, 2016, 121, 750-759.	2.5	4
209	Neonatal Safety of Elective Family-Centered Caesarean Sections: A Cohort Study. Frontiers in Pediatrics, 2018, 6, 20.	1.9	4
210	Hypothermia during umbilical catheterization in preterm infants. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 87-92.	1.5	4
211	Higher CPAP levels improve functional residual capacity at birth in preterm rabbits. Pediatric Research, 2022, 91, 1686-1694.	2.3	4
212	Polymicrogyria in a neonate with severe autoimmune thrombocytopenia: rare coincidence or related disorder?. Prenatal Diagnosis, 2007, 27, 87-89.	2.3	3
213	Influence of the Hand Squeeze and Mask Distensibility on Tidal Volume Measurements during Neonatal Mask Ventilation. Neonatology, 2013, 104, 216-221.	2.0	3
214	Timing is everything. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F2-F3.	2.8	3
215	Persistent pulmonary hypertension of the newborn after fetomaternal hemorrhage. Transfusion, 2018, 58, 2819-2824.	1.6	3
216	Delayed Cord Clamping Increased the Need for Phototherapy Treatment in Infants With ABO Alloimmunization Born by Cesarean Section: A Retrospective Study. Frontiers in Pediatrics, 2018, 6, 241.	1.9	3

#	Article	IF	Citations
217	Haemodynamic effects of prenatal caffeine on the cardiovascular transition in ventilated preterm lambs. PLoS ONE, 2018, 13, e0200572.	2.5	3
218	High variability in nursesâ€™ tactile stimulation methods in response to apnoea of prematurityâ€”A neonatal manikin study. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 799-804.	1.5	3
219	Neonatal resuscitation research: closing the gap. Pediatric Research, 2021, 90, 1117-1119.	2.3	3
220	Advances in Neonatal Critical Care: Pushing at the Boundaries and Connecting to Long-Term Outcomes. Critical Care Medicine, 2021, 49, 2003-2016.	0.9	3
221	Feasibility and Effect of Physiological-Based CPAP in Preterm Infants at Birth. Frontiers in Pediatrics, 2021, 9, 777614.	1.9	3
222	Technology in the delivery room supporting the neonatal healthcare provider's task. Seminars in Fetal and Neonatal Medicine, 2022, 27, 101333.	2.3	3
223	A critical appraisal of tools for delivery room assessment of the newborn infant. Pediatric Research, 2021, , .	2.3	3
224	Short-term pulmonary and systemic effects of hydrocortisone initiated 7â€“14 days after birth in ventilated very preterm infants: a secondary analysis of a randomised controlled trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2023, 108, 20-25.	2.8	3
225	The physiology of delayed umbilical cord clamping at birth: let's not add to the confusion. Journal of Physiology, 2022, 600, 3625-3626.	2.9	3
226	Initiation of Breathing at Birth. , 2016, , 164-186.		2
227	The effect of breathing on ductus arteriosus blood flow directly after birth. European Journal of Pediatrics, 2017, 176, 1581-1585.	2.7	2
228	Respiratory morbidity was an important consequence of prematurity in the first two years after discharge in three cohorts from 1996 to 2009. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 68-72.	1.5	2
229	Reply letter to: Intubation in neonatal resuscitation â€” Compelling necessity or incalculable risk?. Resuscitation, 2021, 165, 190-191.	3.0	2
230	Sustained Inflation Versus Intermittent Positive Pressure Ventilation for Preterm Infants at Birth: Respiratory Function and Vital Sign Measurements. Journal of Pediatrics, 2021, 239, 150-154.e1.	1.8	2
231	Large Hemoglobin Differences at Birth in Monochorionic Twins with a Placental Chorangioma and Delayed Cord Clamping. Twin Research and Human Genetics, 2021, 24, 281-284.	0.6	2
232	Increased airway liquid volumes at birth impairs cardiorespiratory function in preterm and near-term lambs. Journal of Applied Physiology, 2022, , .	2.5	2
233	Evaluating Clinical Outcomes and Physiological Perspectives in Studies Investigating Respiratory Support for Babies Born at Term With or at Risk of Transient Tachypnea: A Narrative Review. Frontiers in Pediatrics, 0, 10, .	1.9	2
234	Possible Sequelae of Sustained Lung Inflation in Resuscitation of Preterm Infants: In Reply. Pediatrics, 2007, 120, 1222-1223.	2.1	1

#	Article	IF	Citations
235	Pulmonary Transition at Birth. , 2014, , 251-264.		1
236	Dysglycaemia in small-for-gestational-age neonates: a matched caseâ€“control study in monochorionic twins. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 2114-2119.	1.5	1
237	Pulse Oximetry Screening Adapted to a System with Home Births: The Dutch Experience. International Journal of Neonatal Screening, 2018, 4, 11.	3.2	1
238	Inter-twin hemoglobin difference at birth in uncomplicated monochorionic twins in relation to the size of the placental anastomoses. Placenta, 2018, 74, 28-31.	1.5	1
239	Paediatric exhaled CO2 detector causes leaks. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 441-443.	2.8	1
240	Optimizing oxygenation of the preterm infant directly at birth: focus of future studies. Journal of Pediatrics, 2021, 229, 309.	1.8	1
241	Sensory stimulation for apnoea mitigation in preterm infants. Pediatric Research, 2021, , .	2.3	1
242	The Effect of a Higher Bias Gas Flow on Imposed T-Piece Resistance and Breathing in Preterm Infants at Birth. Frontiers in Pediatrics, 2022, 10, 817010.	1.9	1
243	255 Preoperative Cranial Ultrasounds Findings in Infants with Congenital Heart Disease. Pediatric Research, 2004, 56, 507-507.	2.3	0
244	Role of Surfactant in Developing a Functional Residual Capacity (FRC) at Birth in Preterm Rabbits as Assessed Using Phase Contrast X-Ray Imaging.. , 2009, , .		0
245	334 Efficiency of Mask Ventilation in Preterm Infants at Birth. Pediatric Research, 2010, 68, 172-172.	2.3	0
246	950 Low Compliance with Guidelines for Respiratory Support of Preterm Infants at Birth. Pediatric Research, 2010, 68, 474-474.	2.3	0
247	958 Different Gas Flow Rates and Effects on Tidal Volume and Mask Leak During Positive Pressure Ventilation. Pediatric Research, 2010, 68, 478-478.	2.3	0
248	The Effect of Changing Positive End-Expiratory Pressures on the Spatial Pattern of Lung Ventilation in Newborn Rabbits Ventilated from Birth. Pediatric Research, 2011, 70, 45-45.	2.3	0
249	Postnatal Steroids for the Treatment of Severe Cyanotic Spells in Mechanically Ventilated Preterm Infants. Pediatric Research, 2011, 70, 547-547.	2.3	0
250	Neonatal Management and Outcome in Extreme Prematurity. , 2020, , 588-596.e1.		0
251	Ductal Flow Ratio as Measure of Transition in Preterm Infants After Birth: A Pilot Study. Frontiers in Pediatrics, 2021, 9, 668744.	1.9	0
252	Consent for Delivery Room Studies: What Can Be Learned from Perceptions of Parents. Neonatology, 2022, 119, 214-221.	2.0	0

#	Article	IF	Citations
253	Reliability of respiratory function monitor interpretation for neonatal resuscitation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2023, 108, 321-322.	2.8	0