

# Arvind Sehgal

## List of Publications by Year in descending order

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85  
papers

2,443  
citations

257101

24  
h-index

223531

46  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards rational management of the patent ductus arteriosus: the need for disease staging. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2007, 92, F424-F427.	1.4	299
2	Delayed versus Immediate Cord Clamping in Preterm Infants. New England Journal of Medicine, 2017, 377, 2445-2455.	13.9	228
3	A Patent Ductus Arteriosus Severity Score Predicts Chronic Lung Disease or Death before Discharge. Journal of Pediatrics, 2015, 167, 1354-1361.e2.	0.9	151
4	Patent ductus arteriosus ligation is associated with impaired left ventricular systolic performance in premature infants weighing less than 1000 g. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 150-157.	0.4	129
5	Use of Targeted Neonatal Echocardiography to Prevent Postoperative Cardiorespiratory Instability after Patent Ductus Arteriosus Ligation. Journal of Pediatrics, 2012, 160, 584-589.e1.	0.9	127
6	Does echocardiography facilitate determination of hemodynamic significance attributable to the ductus arteriosus?. European Journal of Pediatrics, 2009, 168, 907-914.	1.3	112
7	Cardiac Function and Arterial Biophysical Properties in Small for Gestational Age Infants: Postnatal Manifestations of Fetal Programming. Journal of Pediatrics, 2013, 163, 1296-1300.	0.9	89
8	Application of Neonatologist Performed Echocardiography in the assessment and management of persistent pulmonary hypertension of the newborn. Pediatric Research, 2018, 84, 68-77.	1.1	85
9	Functional echocardiography in staging for ductal disease severity. European Journal of Pediatrics, 2013, 172, 179-184.	1.3	71
10	Pulmonary hypertension associated with bronchopulmonary dysplasia in preterm infants. Journal of Reproductive Immunology, 2017, 124, 21-29.	0.8	56
11	Sildenafil therapy in bronchopulmonary dysplasia-associated pulmonary hypertension: a retrospective study of efficacy and safety. European Journal of Pediatrics, 2015, 174, 1109-1115.	1.3	49
12	The Ductus Arteriosus: A Refined Approach!. Seminars in Perinatology, 2012, 36, 105-113.	1.1	48
13	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. Journal of Physiology, 2019, 597, 1209-1220.	1.3	46
14	Right Ventricular Function in Infants with Bronchopulmonary Dysplasia: Association with Respiratory Sequelae. Neonatology, 2016, 109, 289-296.	0.9	37
15	Reduced cardiac output and its correlation with coronary blood flow and troponin in asphyxiated infants treated with therapeutic hypothermia. European Journal of Pediatrics, 2012, 171, 1511-1517.	1.3	36
16	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. Journal of Pediatrics, 2017, 188, 128-134.e2.	0.9	34
17	A New Look at Bronchopulmonary Dysplasia: Postcapillary Pathophysiology and Cardiac Dysfunction. Pulmonary Circulation, 2016, 6, 508-515.	0.8	33
18	Cardiovascular support in preterm infants: A survey of practices in Australia and New Zealand. Journal of Paediatrics and Child Health, 2012, 48, 317-323.	0.4	31

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19	Global myocardial function is compromised in infants with pulmonary hypertension. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, 410-413.	0.7	30
20	Targeted Neonatal Echocardiography Services. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 1833-1841.	0.8	30
21	Coronary artery perfusion and myocardial performance after patent ductus arteriosus ligation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 1271-1278.	0.4	29
22	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016, 80, 538-546.	1.1	29
23	Haemodynamic changes after delivery room surfactant administration to very low birth weight infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2010, 95, F345-F351.	1.4	28
24	Speckle tracking derived strain in infants with severe perinatal asphyxia: a comparative case control study. <i>Cardiovascular Ultrasound</i> , 2013, 11, 34.	0.5	28
25	Cardiac Sonography by the Neonatologist. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 1401-1406.	0.8	26
26	Cardiac function and arterial indices in infants born small for gestational age: analysis by speckle tracking. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, e49-54.	0.7	25
27	Indomethacin Impairs Coronary Perfusion in Infants with Hemodynamically Significant Ductus Arteriosus. <i>Neonatology</i> , 2012, 101, 20-27.	0.9	24
28	Haemodynamically unstable preterm infant: an unresolved management conundrum. <i>European Journal of Pediatrics</i> , 2011, 170, 1237-45.	1.3	23
29	Use of milrinone in the management of haemodynamic instability following duct ligation. <i>European Journal of Pediatrics</i> , 2011, 170, 115-119.	1.3	22
30	Interparametric Correlation Between Echocardiographic Markers in Preterm Infants With Patent Ductus Arteriosus. <i>Pediatric Cardiology</i> , 2013, 34, 1212-1217.	0.6	20
31	The Left Heart, Systemic Circulation, and Bronchopulmonary Dysplasia: Relevance to Pathophysiology and Therapeutics. <i>Journal of Pediatrics</i> , 2020, 225, 13-22.e2.	0.9	20
32	Fetal Growth Restriction and Hypertension in the Offspring: Mechanistic Links and Therapeutic Directions. <i>Journal of Pediatrics</i> , 2020, 224, 115-123.e2.	0.9	20
33	Ventilation-induced lung injury is not exacerbated by growth restriction in preterm lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L213-L223.	1.3	19
34	Placental histopathology in preterm fetal growth restriction. <i>Journal of Paediatrics and Child Health</i> , 2019, 55, 582-587.	0.4	19
35	Measurement of the Lateral Ventricles in the Neonatal Head: Comparison of 2-D and 3-D Techniques. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 2051-2057.	0.7	18
36	Patent ductus arteriosus ligation and post-operative hemodynamic instability: Case report and framework for enhanced neonatal care. <i>Indian Journal of Pediatrics</i> , 2010, 77, 905-907.	0.3	17

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37	ACE inhibition for severe bronchopulmonary dysplasia - an approach based on physiology. <i>Physiological Reports</i> , 2018, 6, e13821.	0.7	17
38	Cerebral oxygenation during subclinical seizures in neonatal hypoxic-ischaemic encephalopathy. <i>European Journal of Paediatric Neurology</i> , 2012, 16, 304-307.	0.7	16
39	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 731-740.	1.1	16
40	Impact of Skin-to-Skin Parent-Infant Care on Preterm Circulatory Physiology. <i>Journal of Pediatrics</i> , 2020, 222, 91-97.e2.	0.9	16
41	Bronchopulmonary dysplasia associated pulmonary hypertension: Making the best use of bedside echocardiography. <i>Progress in Pediatric Cardiology</i> , 2017, 46, 39-43.	0.2	15
42	International perspective on management of a patent ductus arteriosus: Lessons learned. <i>Seminars in Fetal and Neonatal Medicine</i> , 2018, 23, 278-284.	1.1	15
43	Hemodynamic optimization for neonates with neonatal encephalopathy caused by a hypoxic ischemic event: Physiological and therapeutic considerations. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101277.	1.1	15
44	Type 2 immune polarization is associated with cardiopulmonary disease in preterm infants. <i>Science Translational Medicine</i> , 2022, 14, eaaz8454.	5.8	14
45	Oral Paracetamol for Patent Ductus Arteriosus Rescue Closure. <i>Pediatric Cardiology</i> , 2018, 39, 183-190.	0.6	13
46	Diuretic use in infants with developing or established chronic lung disease: A practice looking for evidence. <i>Journal of Paediatrics and Child Health</i> , 2020, 56, 1189-1193.	0.4	13
47	Surfactant and patent ductus arteriosus. <i>Indian Journal of Pediatrics</i> , 2010, 77, 51-55.	0.3	12
48	Vascular changes in fetal growth restriction: clinical relevance and future therapeutics. <i>Journal of Perinatology</i> , 2019, 39, 366-374.	0.9	12
49	Cardiovascular response and sequelae after minimally invasive surfactant therapy in growth-restricted preterm infants. <i>Journal of Perinatology</i> , 2020, 40, 1178-1184.	0.9	12
50	Vasopressin as an adjunct therapy for pulmonary hypertension: a case report. <i>European Journal of Pediatrics</i> , 2014, 173, 1651-1654.	1.3	11
51	Nitric therapy in preterm infants: rationalised approach based on functional neonatal echocardiography. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 165-171.	0.7	11
52	Cardiorespiratory Physiology following Minimally Invasive Surfactant Therapy in Preterm Infants. <i>Neonatology</i> , 2019, 116, 278-285.	0.9	11
53	Doppler manifestations of ductal steal: role in decision making. <i>European Journal of Pediatrics</i> , 2011, 170, 795-798.	1.3	9
54	Pulmonary Hypertension in an Infant Treated with Ibuprofen. <i>Indian Journal of Pediatrics</i> , 2013, 80, 697-699.	0.3	9

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55	Cyclooxygenase Inhibitors in Preterm Infants With Patent Ductus Arteriosus: Effects on Cardiac and Vascular Indices. <i>Pediatric Cardiology</i> , 2014, 35, 1429-1436.	0.6	9
56	Use of inhaled nitric oxide in preterm infants: A regional survey of practices. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2014, 43, 347-350.	0.8	9
57	Indomethacin vs ibuprofen: comparison of efficacy in the setting of conservative therapeutic approach. <i>European Journal of Pediatrics</i> , 2015, 174, 615-620.	1.3	9
58	Three-dimensional ultrasound cranial imaging and early neurodevelopment in preterm growth-restricted infants. <i>Journal of Paediatrics and Child Health</i> , 2018, 54, 420-425.	0.4	9
59	Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation. <i>Pediatrics</i> , 2021, 147, .	1.0	9
60	Cardiac Function and Its Evolution with Pulmonary Vasodilator Therapy: A Myocardial Deformation Study. <i>Echocardiography</i> , 2014, 31, E185-8.	0.3	7
61	Echocardiographic assessment of left ventricular outflow tract diameter in preterm infants. <i>Australasian Journal of Ultrasound in Medicine</i> , 2014, 17, 146-149.	0.3	6
62	Fetal growth restriction is associated with an altered cardiopulmonary and cerebral hemodynamic response to surfactant therapy in preterm lambs. <i>Pediatric Research</i> , 2019, 86, 47-54.	1.1	6
63	Toward rational management of patent ductus arteriosus: ductal disease staging and first line paracetamol. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 3940-3945.	0.7	6
64	Hemodynamic Effects of Nasal Continuous Positive Airway Pressure in Preterm Infants with Evolving Chronic Lung Disease, A Crossover Randomized Trial. <i>Journal of Pediatrics</i> , 2015, 166, 477-479.	0.9	5
65	Doctor please feel my pulses! An aid to diagnosis in the newborn. <i>Journal of Paediatrics and Child Health</i> , 2016, 52, 983-990.	0.4	5
66	Assessing pulmonary circulation in severe bronchopulmonary dysplasia using functional echocardiography. <i>Physiological Reports</i> , 2021, 9, e14690.	0.7	5
67	Early detection of significant congenital heart disease: The contribution of fetal cardiac ultrasound and newborn pulse oximetry screening. <i>Journal of Paediatrics and Child Health</i> , 2021, 57, 323-327.	0.4	5
68	Hemodynamic consequences of respiratory interventions in preterm infants. <i>Journal of Perinatology</i> , 2022, 42, 1153-1160.	0.9	5
69	Dry Lung Syndrome: A Distinct Clinical Entity. <i>Indian Journal of Pediatrics</i> , 2010, 77, 1029-1031.	0.3	4
70	Sequelae associated with systemic hypertension in infants with severe bronchopulmonary dysplasia. <i>Journal of Perinatology</i> , 2022, , .	0.9	4
71	Interstitial deletion of chromosome 1 (1p21.1p12) in an infant with congenital diaphragmatic hernia, hydrops fetalis, and interrupted aortic arch. <i>Clinical Case Reports (discontinued)</i> , 2017, 5, 164-169.	0.2	3
72	Cardiac Function Assessments in Left Bochdalek's Hernia: Clinical Relevance. <i>Pediatric Cardiology</i> , 2018, 39, 829-836.	0.6	3

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73	The often forgotten systemic effects of ductus arteriosus: impact on decision-making and future trials. <i>Journal of Perinatology</i> , 2021, 41, 2363-2366.	0.9	3
74	Suprasternal optical window to Doppler the superior vena cava in neonates. <i>Journal of Echocardiography</i> , 2011, 9, 121-122.	0.4	2
75	The Cerebral Hemodynamic Response to Pain in Preterm Infants With Fetal Growth Restriction. <i>Frontiers in Pediatrics</i> , 2020, 8, 268.	0.9	2
76	Vasopressin in perioperative management of congenital diaphragmatic hernia. <i>Annals of Pediatric Surgery</i> , 2017, 13, 47-49.	0.1	1
77	Fifteen-minute consultation: How to spot serious heart disease in the newborn. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2021, , edpract-2020-320330.	0.3	1
78	Deviation of naso-gastric tube on frontal chest radiograph: A marker of left atria enlargement in babies with ductus arteriosus. <i>Journal of Neonatal-Perinatal Medicine</i> , 2009, 2, 89-93.	0.4	0
79	Early neonatal sepsis with the extended spectrum $\beta$ -lactomase producing: <i>Morganella morgagni</i> . <i>Journal of Neonatal-Perinatal Medicine</i> , 2009, 2, 201-202.	0.4	0
80	Evaluation of the coronary arteries in the foetus and newborn and their physiologic significance. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013, 26, 1042-1047.	0.7	0
81	Letter to the editor. <i>Journal of Paediatrics and Child Health</i> , 2019, 55, 1512-1513.	0.4	0
82	Reply. <i>Journal of Pediatrics</i> , 2021, 230, 275-276.	0.9	0
83	Nucleated Red Blood Cells as Markers of Perinatal Adaptation in Preterm Neonates Receiving Minimally Invasive Surfactant Therapy. <i>American Journal of Perinatology</i> , 2021, , .	0.6	0
84	M-mode imaging of the diaphragm in phrenic nerve palsy due to birth trauma. <i>Journal of Pediatrics</i> , 2022, , .	0.9	0
85	Mitral valve Doppler for cardiac output assessment in preterm neonates. <i>Echocardiography</i> , 2022, 39, 717-723.	0.3	0