

# Kevin D Hill Msci

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

3,181  
citations

117453

34  
h-index

168136

53  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coarctation of the aorta: Management from infancy to adulthood. <i>World Journal of Cardiology</i> , 2015, 7, 765.	0.5	210
2	Cumulative Radiation Exposure and Cancer Risk Estimation in Children With Heart Disease. <i>Circulation</i> , 2014, 130, 161-167.	1.6	192
3	Variation in Prenatal Diagnosis of Congenital Heart Disease in Infants. <i>Pediatrics</i> , 2015, 136, e378-e385.	1.0	179
4	Contemporary outcomes of complete atrioventricular septal defect repair: Analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2526-2531.	0.4	92
5	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2019 Update on Outcomes and Quality. <i>Annals of Thoracic Surgery</i> , 2019, 107, 691-704.	0.7	90
6	Stage 1 hybrid palliation for hypoplastic left heart syndrome—assessment of contemporary patterns of use: An analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 195-202.e1.	0.4	89
7	Drug Dosing and Pharmacokinetics in Children With Obesity. <i>JAMA Pediatrics</i> , 2015, 169, 678.	3.3	81
8	Excess Costs Associated With Complications and Prolonged Length of Stay After Congenital Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2014, 98, 1660-1666.	0.7	79
9	Radiation Safety in Children With Congenital and Acquired Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 797-818.	2.3	78
10	Surgeon and Center Volume Influence on Outcomes After Arterial Switch Operation: Analysis of the STS Congenital Heart Surgery Database. <i>Annals of Thoracic Surgery</i> , 2014, 98, 904-911.	0.7	76
11	Assessment of Quality of Life in Young Patients with Single Ventricle after the Fontan Operation. <i>Journal of Pediatrics</i> , 2016, 170, 166-172.e1.	0.9	73
12	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2017 Update on Outcomes and Quality. <i>Annals of Thoracic Surgery</i> , 2017, 103, 699-709.	0.7	73
13	Intervention for Recoarctation in the Single Ventricle Reconstruction Trial. <i>Circulation</i> , 2013, 128, 954-961.	1.6	68
14	Epidemiology and Outcomes After In-Hospital Cardiac Arrest After Pediatric Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2014, 98, 2138-2144.	0.7	68
15	Prevalence of Noncardiac and Genetic Abnormalities in Neonates Undergoing Cardiac Operations: Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1607-1614.	0.7	68
16	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2018 Update on Outcomes and Quality. <i>Annals of Thoracic Surgery</i> , 2018, 105, 680-689.	0.7	65
17	Reoperations for Pediatric and Congenital Heart Disease: An Analysis of the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database. <i>Pediatric Cardiac Surgery Annual</i> , 2014, 17, 2-8.	0.5	64
18	National Variation in Congenital Heart Surgery Outcomes. <i>Circulation</i> , 2020, 142, 1351-1360.	1.6	62

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19	Assessment of pulmonary hypertension in the pediatric catheterization laboratory: Current insights from the magic registry. <i>Catheterization and Cardiovascular Interventions</i> , 2010, 76, 865-873.	0.7	61
20	Surgical Valvotomy Versus Balloon Valvuloplasty for Congenital Aortic Valve Stenosis: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	60
21	Benchmark Outcomes for Pulmonary Valve Replacement Using The Society of Thoracic Surgeons Databases. <i>Annals of Thoracic Surgery</i> , 2015, 100, 138-146.	0.7	54
22	Adverse cardiac events in children with Williams syndrome undergoing cardiovascular surgery: An analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1516-1522.e1.	0.4	53
23	Contemporary Outcomes of Surgical Repair of Total Anomalous Pulmonary Venous Connection in Patients With Heterotaxy Syndrome. <i>Annals of Thoracic Surgery</i> , 2015, 99, 2134-2140.	0.7	51
24	Treatment of supraventricular tachycardia in infants: Analysis of a large multicenter database. <i>Early Human Development</i> , 2015, 91, 345-350.	0.8	49
25	Delayed Sternal Closure in Infant Heart Surgery- The Importance of Where and When: An Analysis of the STS Congenital Heart Surgery Database. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1565-1572.	0.7	47
26	Development of a Congenital Heart Surgery Composite Quality Metric: Part 1- Conceptual Framework. <i>Annals of Thoracic Surgery</i> , 2019, 107, 583-589.	0.7	47
27	Prenatal Diagnosis Influences Preoperative Status in Neonates with Congenital Heart Disease: An Analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Pediatric Cardiology</i> , 2019, 40, 489-496.	0.6	47
28	Congenital Heart Disease in Premature Infants 25-32 Weeks' Gestational Age. <i>Journal of Pediatrics</i> , 2017, 181, 37-41.e1.	0.9	46
29	Early Extubation After Repair of Tetralogy of Fallot and the Fontan Procedure: An Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Annals of Thoracic Surgery</i> , 2016, 102, 850-858.	0.7	44
30	Risk factors for prolonged length of stay after the stage 2 procedure in the single-ventricle reconstruction trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1791-1798.e4.	0.4	41
31	New approaches to reduce radiation exposure. <i>Trends in Cardiovascular Medicine</i> , 2016, 26, 55-65.	2.3	39
32	Radiation dose management for pediatric cardiac computed tomography: a report from the Image Gently - Have-A-Heart™ campaign. <i>Pediatric Radiology</i> , 2018, 48, 5-20.	1.1	38
33	Association of Surgeon Age and Experience With Congenital Heart Surgery Outcomes. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017, 10, .	0.9	37
34	Surgical Management and Outcomes of Ebstein Anomaly in Neonates and Infants: A Society of Thoracic Surgeons Congenital Heart Surgery Database Analysis. <i>Annals of Thoracic Surgery</i> , 2018, 106, 785-791.	0.7	36
35	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2020 Update on Outcomes and Research. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1809-1818.	0.7	32
36	Characteristics of pediatric cardiovascular clinical trials registered on ClinicalTrials.gov. <i>American Heart Journal</i> , 2014, 167, 921-929.e2.	1.2	31

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37	Variation in Perfusion Strategies for Neonatal and Infant Aortic Arch Repair. World Journal for Pediatric & Congenital Heart Surgery, 2016, 7, 638-644.	0.3	29
38	Percutaneous interventions in high-risk patients following mustard repair of transposition of the great arteries. Catheterization and Cardiovascular Interventions, 2012, 80, 905-914.	0.7	28
39	Clinical outcomes in very low birth weight infants with major congenital heart defects. Early Human Development, 2014, 90, 791-795.	0.8	28
40	Procedure-Based Complications to Guide Informed Consent: Analysis of Society of Thoracic Surgeons-Congenital Heart Surgery Database. Annals of Thoracic Surgery, 2014, 97, 1838-1851.	0.7	27
41	Assessment of Growth 6 Years after the Norwood Procedure. Journal of Pediatrics, 2017, 180, 270-274.e6.	0.9	27
42	Impact of pre-stage II hemodynamics and pulmonary artery anatomy on 12-month outcomes in the Pediatric Heart Network Single Ventricle Reconstruction trial. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1467-1474.	0.4	24
43	Recommendations to Enhance Pediatric Cardiovascular Drug Development: Report of a Multi-Stakeholder Think Tank. Journal of the American Heart Association, 2018, 7, .	1.6	23
44	Validation and refinement of the catheterization RISK score for pediatrics (CRISP score): An analysis from the congenital cardiac interventional study consortium. Catheterization and Cardiovascular Interventions, 2019, 93, 97-104.	0.7	23
45	Preprocedural three-dimensional planning aids in transcatheter ductal stent placement: A single-center experience. Catheterization and Cardiovascular Interventions, 2020, 95, 1141-1148.	0.7	23
46	Development of a Congenital Heart Surgery Composite Quality Metric: Part 2—Analytic Methods. Annals of Thoracic Surgery, 2019, 107, 590-596.	0.7	21
47	Sildenafil Exposure and Hemodynamic Effect After Stage II Single-Ventricle Surgery. Pediatric Critical Care Medicine, 2013, 14, 593-600.	0.2	20
48	Congenital Heart Surgery Case Mix Across North American Centers and Impact on Performance Assessment. Annals of Thoracic Surgery, 2016, 102, 1580-1587.	0.7	20
49	Congenital Heart Operations Performed in the First Year of Life: Does Geographic Variation Exist?. Annals of Thoracic Surgery, 2014, 98, 912-918.	0.7	16
50	Post-market surveillance to detect adverse events associated with Melody <sup>®</sup> valve implantation. Cardiology in the Young, 2017, 27, 1090-1097.	0.4	16
51	Routine postprocedure ultrasound increases rate of detection of femoral arterial thrombosis in infants after cardiac catheterization. Catheterization and Cardiovascular Interventions, 2019, 93, 652-659.	0.7	16
52	Maladaptive aortic properties after the Norwood procedure: An angiographic analysis of the Pediatric Heart Network Single Ventricle Reconstruction Trial. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 471-479.e3.	0.4	14
53	Pharmacokinetics of intravenous sildenafil in children with palliated single ventricle heart defects: effect of elevated hepatic pressures. Cardiology in the Young, 2016, 26, 354-362.	0.4	14
54	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2016 Update on Research. Annals of Thoracic Surgery, 2016, 102, 688-695.	0.7	14

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55	Impact of imaging approach on radiation dose and associated cancer risk in children undergoing cardiac catheterization. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 89, 888-897.	0.7	14
56	The impact of femoral arterial thrombosis in paediatric cardiac catheterisation: a national study. <i>Cardiology in the Young</i> , 2017, 27, 912-917.	0.4	14
57	Estimating Resource Utilization in Congenital Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2020, 110, 962-968.	0.7	14
58	Novel Transatrial Septoplasty Technique for Neonates with Hypoplastic Left Heart Syndrome and an Intact or Highly Restrictive Atrial Septum. <i>Pediatric Cardiology</i> , 2010, 31, 545-549.	0.6	13
59	Complete resolution of systemic venous baffle obstruction and baffle leak using the gore excluder® covered stent in two patients with transposition of the great arteries and prior mustard procedure. <i>Catheterization and Cardiovascular Interventions</i> , 2010, 76, 878-881.	0.7	13
60	Cardiopulmonary resuscitation in hospitalized infants. <i>Early Human Development</i> , 2016, 101, 17-22.	0.8	13
61	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2019 Update on Research. <i>Annals of Thoracic Surgery</i> , 2019, 108, 671-679.	0.7	13
62	Transcatheter pulmonary embolectomy after fontan. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 939-944.	0.7	12
63	The Evolving Surgical Burden of Fontan Failure: Insights from a Nationwide Surgical Database. <i>Annals of Thoracic Surgery</i> , 2020, 112, 179-187.	0.7	12
64	Overcoming underpowering: Trial simulations and a global rank end point to optimize clinical trials in children with heart disease. <i>American Heart Journal</i> , 2020, 226, 188-197.	1.2	12
65	Evaluating Appropriate Use of Pediatric Echocardiograms for Chest Pain in Outpatient Clinics. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 708-713.	1.2	11
66	Evolving Cost-Quality Relationship in Pediatric Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2022, 113, 866-873.	0.7	11
67	Childhood Hypertension: An Underappreciated Epidemic?. <i>Pediatrics</i> , 2016, 138, e20162857-e20162857.	1.0	10
68	Congenital Heart Surgery Outcomes in Turner Syndrome: The Society of Thoracic Surgeons Database Analysis. <i>Annals of Thoracic Surgery</i> , 2019, 108, 1430-1437.	0.7	10
69	Management of Pulmonary Arterial Hypertension in the Pediatric Patient. <i>Current Cardiology Reports</i> , 2019, 21, 162.	1.3	10
70	A Randomized, Controlled Pharmacokinetic and Pharmacodynamics Trial of Ambrisentan After Fontan Surgery. <i>Pediatric Critical Care Medicine</i> , 2020, 21, e795-e803.	0.2	10
71	Percutaneous pulmonary valve replacement. <i>Progress in Pediatric Cardiology</i> , 2012, 33, 143-150.	0.2	9
72	Summary of the 2015 International Paediatric Heart Failure Summit of Johns Hopkins All Children's Heart Institute. <i>Cardiology in the Young</i> , 2015, 25, 8-30.	0.4	9

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73	Perioperative Corticosteroids in Children Undergoing Congenital Heart Surgery: Five Decades of Clinical Equipoise. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2018, 9, 294-296.	0.3	8
74	The Congenital Heart Technical Skill Study: Rationale and Design. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2019, 10, 137-144.	0.3	8
75	Registry-based trials: a potential model for cost savings?. <i>Cardiology in the Young</i> , 2020, 30, 807-817.	0.4	8
76	Comparison of right ventricleâ€“pulmonary artery shunt position in the Single Ventricle Reconstruction trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 1490-1500.e1.	0.4	5
77	Population Pharmacokinetic/Pharmacodynamic Modeling of Methylprednisolone in Neonates Undergoing Cardiopulmonary Bypass. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019, 8, 913-922.	1.3	5
78	Palliating Premature Infants With Obstructed Total Anomalous Pulmonary Venous Connection via Catheterization. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2020, 11, NP164-NP167.	0.3	5
79	Outcomes of Operator-Directed Sedation and Anesthesiologist Care in the Pediatric/Congenital Catheterization Laboratory. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 401-413.	1.1	5
80	Congenitally Corrected Transposition Cardiac Surgery: Society of Thoracic Surgeons Database Analysis. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1715-1722.	0.7	5
81	A strategy for atrial septal defect closure in small children that eliminates long-term wall erosion risk. <i>Catheterization and Cardiovascular Interventions</i> , 2013, 81, 654-659.	0.7	4
82	Image Gently Have-A-Heart Campaign. <i>Journal of the American College of Radiology</i> , 2018, 15, 372-373.	0.9	4
83	Variability in radiation dose and image quality: A comparison across fluoroscopy system vendors, generations of equipment and institutions. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, E471-E477.	0.7	3
84	Estimating radiation exposure during paediatric cardiac catheterisation: a potential for radiation reduction with air gap technique. <i>Cardiology in the Young</i> , 2019, 29, 1474-1480.	0.4	3
85	Combining clinical databases with genetic studies to help advance the causation model of congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 1380-1381.	0.4	1
86	Response to Letters Regarding Article, â€œCumulative Radiation Exposure and Cancer Risk Estimation in Children With Heart Diseaseâ€•. <i>Circulation</i> , 2015, 131, e419-20.	1.6	1
87	How should we measure research impact in paediatric cardiology?. <i>Cardiology in the Young</i> , 2021, 31, 1205-1206.	0.4	1
88	Decline of increased risk donor offers increases waitlist mortality in paediatric heart transplantation. <i>Cardiology in the Young</i> , 2021, 31, 1228-1237.	0.4	1
89	Post-operative Renal Failure, Shunt Type and Mortality after Norwood Palliation. <i>Annals of Thoracic Surgery</i> , 2021, , .	0.7	1
90	Extending the volume-outcomes debate into the world of congenital cardiac catheterization. <i>American Heart Journal</i> , 2017, 183, 115-117.	1.2	0

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91	Conducting Clinical Trials in Developing and Emerging Countries: Review and Case Study. , 0, , 477-481.		0
92	Abstract 18067: Maladaptive Aortic Properties after the Norwood Procedure: an Angiographic Analysis of the Pediatric Heart Network Single Ventricle Reconstruction Trial. Circulation, 2014, 130, .	1.6	0
93	Cell-Free DNA Is Elevated after Acute Arterial Injury in Infants. Blood, 2016, 128, 5002-5002.	0.6	0
94	Commentary: The Trials and Tribulations of T3 Supplementation. Seminars in Thoracic and Cardiovascular Surgery, 2022, , .	0.4	0