

# Kevin D Hill Msci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9312770/publications.pdf>

Version: 2024-02-01

94  
papers

3,181  
citations

117625  
34  
h-index

168389  
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. World Journal of Cardiology, 2015, 7, 765.	1.5	210
2	Cumulative Radiation Exposure and Cancer Risk Estimation in Children With Heart Disease. Circulation, 2014, 130, 161-167.	1.6	192
3	Variation in Prenatal Diagnosis of Congenital Heart Disease in Infants. Pediatrics, 2015, 136, e378-e385.	2.1	179
4	Contemporary outcomes of complete atrioventricular septal defect repair: Analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2526-2531.	0.8	92
5	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2019 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2019, 107, 691-704.	1.3	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. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 195-202.e1.	0.8	89
7	Drug Dosing and Pharmacokinetics in Children With Obesity. JAMA Pediatrics, 2015, 169, 678.	6.2	81
8	Excess Costs Associated With Complications and Prolonged Length of Stay After Congenital Heart Surgery. Annals of Thoracic Surgery, 2014, 98, 1660-1666.	1.3	79
9	Radiation Safety in Children With Congenital and Acquired Heart Disease. JACC: Cardiovascular Imaging, 2017, 10, 797-818.	5.3	78
10	Surgeon and Center Volume Influence on Outcomes After Arterial Switch Operation: Analysis of the STS Congenital Heart Surgery Database. Annals of Thoracic Surgery, 2014, 98, 904-911.	1.3	76
11	Assessment of Quality of Life in Young Patients with Single Ventricle after the Fontan Operation. Journal of Pediatrics, 2016, 170, 166-172.e1.	1.8	73
12	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2017 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2017, 103, 699-709.	1.3	73
13	Intervention for Recoarctation in the Single Ventricle Reconstruction Trial. Circulation, 2013, 128, 954-961.	1.6	68
14	Epidemiology and Outcomes After In-Hospital Cardiac Arrest After Pediatric Cardiac Surgery. Annals of Thoracic Surgery, 2014, 98, 2138-2144.	1.3	68
15	Prevalence of Noncardiac and Genetic Abnormalities in Neonates Undergoing Cardiac Operations: Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. Annals of Thoracic Surgery, 2016, 102, 1607-1614.	1.3	68
16	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2018 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2018, 105, 680-689.	1.3	65
17	Reoperations for Pediatric and Congenital Heart Disease: An Analysis of the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database. Pediatric Cardiac Surgery Annual, 2014, 17, 2-8.	1.2	64
18	National Variation in Congenital Heart Surgery Outcomes. Circulation, 2020, 142, 1351-1360.	1.6	62

#	ARTICLE	IF	CITATIONS
19	Assessment of pulmonary hypertension in the pediatric catheterization laboratory: Current insights from the magic registry. Catheterization and Cardiovascular Interventions, 2010, 76, 865-873.	1.7	61
20	Surgical Valvotomy Versus Balloon Valvuloplasty for Congenital Aortic Valve Stenosis: A Systematic Review and Meta-Analysis. Journal of the American Heart Association, 2016, 5, .	3.7	60
21	Benchmark Outcomes for Pulmonary Valve Replacement Using The Society of Thoracic Surgeons Databases. Annals of Thoracic Surgery, 2015, 100, 138-146.	1.3	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. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1516-1522.e1.	0.8	53
23	Contemporary Outcomes of Surgical Repair of Total Anomalous Pulmonary Venous Connection in Patients With Heterotaxy Syndrome. Annals of Thoracic Surgery, 2015, 99, 2134-2140.	1.3	51
24	Treatment of supraventricular tachycardia in infants: Analysis of a large multicenter database. Early Human Development, 2015, 91, 345-350.	1.8	49
25	Delayed Sternal Closure in Infant Heart Surgery- The Importance of Where and When: An Analysis of the STS Congenital Heart Surgery Database. Annals of Thoracic Surgery, 2016, 102, 1565-1572.	1.3	47
26	Development of a Congenital Heart Surgery Composite Quality Metric: Part 1- Conceptual Framework. Annals of Thoracic Surgery, 2019, 107, 583-589.	1.3	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. Pediatric Cardiology, 2019, 40, 489-496.	1.3	47
28	Congenital Heart Disease in Premature Infants 25-32 Weeks' Gestational Age. Journal of Pediatrics, 2017, 181, 37-41.e1.	1.8	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. Annals of Thoracic Surgery, 2016, 102, 850-858.	1.3	44
30	Risk factors for prolonged length of stay after the stage 2 procedure in the single-ventricle reconstruction trial. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1791-1798.e4.	0.8	41
31	New approaches to reduce radiation exposure. Trends in Cardiovascular Medicine, 2016, 26, 55-65.	4.9	39
32	Radiation dose management for pediatric cardiac computed tomography: a report from the Image Gently- Have-A-Heart™ campaign. Pediatric Radiology, 2018, 48, 5-20.	2.0	38
33	Association of Surgeon Age and Experience With Congenital Heart Surgery Outcomes. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	2.2	37
34	Surgical Management and Outcomes of Ebstein Anomaly in Neonates and Infants: A Society of Thoracic Surgeons Congenital Heart Surgery Database Analysis. Annals of Thoracic Surgery, 2018, 106, 785-791.	1.3	36
35	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2020 Update on Outcomes and Research. Annals of Thoracic Surgery, 2020, 110, 1809-1818.	1.3	32
36	Characteristics of pediatric cardiovascular clinical trials registered on ClinicalTrials.gov. American Heart Journal, 2014, 167, 921-929.e2.	2.7	31

#	ARTICLE	IF	CITATIONS
37	Variation in Perfusion Strategies for Neonatal and Infant Aortic Arch Repair. World Journal for Pediatric & Congenital Heart Surgery, 2016, 7, 638-644.	0.8	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.	1.7	28
39	Clinical outcomes in very low birth weight infants with major congenital heart defects. Early Human Development, 2014, 90, 791-795.	1.8	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.	1.3	27
41	Assessment of Growth 6 Years after the Norwood Procedure. Journal of Pediatrics, 2017, 180, 270-274.e6.	1.8	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.	0.8	24
43	Recommendations to Enhance Pediatric Cardiovascular Drug Development: Report of a Multi-Stakeholder Think Tank. Journal of the American Heart Association, 2018, 7, .	3.7	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.	1.7	23
45	Preprocedural three-dimensional planning aids in transcatheter ductal stent placement: A single-center experience. Catheterization and Cardiovascular Interventions, 2020, 95, 1141-1148.	1.7	23
46	Development of a Congenital Heart Surgery Composite Quality Metric: Part 2 Analytic Methods. Annals of Thoracic Surgery, 2019, 107, 590-596.	1.3	21
47	Sildenafil Exposure and Hemodynamic Effect After Stage II Single-Ventricle Surgery. Pediatric Critical Care Medicine, 2013, 14, 593-600.	0.5	20
48	Congenital Heart Surgery Case Mix Across North American Centers and Impact on Performance Assessment. Annals of Thoracic Surgery, 2016, 102, 1580-1587.	1.3	20
49	Congenital Heart Operations Performed in the First Year of Life: Does Geographic Variation Exist?. Annals of Thoracic Surgery, 2014, 98, 912-918.	1.3	16
50	Post-market surveillance to detect adverse events associated with Melody <sup>®</sup> valve implantation. Cardiology in the Young, 2017, 27, 1090-1097.	0.8	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.	1.7	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.	0.8	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.	0.8	14
54	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2016 Update on Research. Annals of Thoracic Surgery, 2016, 102, 688-695.	1.3	14

#	ARTICLE	IF	CITATIONS
55	Impact of imaging approach on radiation dose and associated cancer risk in children undergoing cardiac catheterization. Catheterization and Cardiovascular Interventions, 2017, 89, 888-897.	1.7	14
56	The impact of femoral arterial thrombosis in paediatric cardiac catheterisation: a national study. Cardiology in the Young, 2017, 27, 912-917.	0.8	14
57	Estimating Resource Utilization in Congenital Heart Surgery. Annals of Thoracic Surgery, 2020, 110, 962-968.	1.3	14
58	Novel Transatrial Septoplasty Technique for Neonates with Hypoplastic Left Heart Syndrome and an Intact or Highly Restrictive Atrial Septum. Pediatric Cardiology, 2010, 31, 545-549.	1.3	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. Catheterization and Cardiovascular Interventions, 2010, 76, 878-881.	1.7	13
60	Cardiopulmonary resuscitation in hospitalized infants. Early Human Development, 2016, 101, 17-22.	1.8	13
61	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2019 Update on Research. Annals of Thoracic Surgery, 2019, 108, 671-679.	1.3	13
62	Transcatheter pulmonary embolectomy after fontan. Catheterization and Cardiovascular Interventions, 2016, 87, 939-944.	1.7	12
63	The Evolving Surgical Burden of Fontan Failure: Insights from a Nationwide Surgical Database. Annals of Thoracic Surgery, 2020, 112, 179-187.	1.3	12
64	Overcoming underpowering: Trial simulations and a global rank end point to optimize clinical trials in children with heart disease. American Heart Journal, 2020, 226, 188-197.	2.7	12
65	Evaluating Appropriate Use of Pediatric Echocardiograms for Chest Pain in Outpatient Clinics. Journal of the American Society of Echocardiography, 2017, 30, 708-713.	2.8	11
66	Evolving Cost-Quality Relationship in Pediatric Heart Surgery. Annals of Thoracic Surgery, 2022, 113, 866-873.	1.3	11
67	Childhood Hypertension: An Underappreciated Epidemic?. Pediatrics, 2016, 138, e20162857-e20162857.	2.1	10
68	Congenital Heart Surgery Outcomes in Turner Syndrome: The Society of Thoracic Surgeons Database Analysis. Annals of Thoracic Surgery, 2019, 108, 1430-1437.	1.3	10
69	Management of Pulmonary Arterial Hypertension in the Pediatric Patient. Current Cardiology Reports, 2019, 21, 162.	2.9	10
70	A Randomized, Controlled Pharmacokinetic and Pharmacodynamics Trial of Ambrisentan After Fontan Surgery. Pediatric Critical Care Medicine, 2020, 21, e795-e803.	0.5	10
71	Percutaneous pulmonary valve replacement. Progress in Pediatric Cardiology, 2012, 33, 143-150.	0.4	9
72	Summary of the 2015 International Paediatric Heart Failure Summit of Johns Hopkins All Children's Heart Institute. Cardiology in the Young, 2015, 25, 8-30.	0.8	9

#	ARTICLE	IF	CITATIONS
73	Perioperative Corticosteroids in Children Undergoing Congenital Heart Surgery: Five Decades of Clinical Equipoise. World Journal for Pediatric & Congenital Heart Surgery, 2018, 9, 294-296.	0.8	8
74	The Congenital Heart Technical Skill Study: Rationale and Design. World Journal for Pediatric & Congenital Heart Surgery, 2019, 10, 137-144.	0.8	8
75	Registry-based trials: a potential model for cost savings?. Cardiology in the Young, 2020, 30, 807-817.	0.8	8
76	Comparison of right ventricleâ€“pulmonary artery shunt position in the Single Ventricle Reconstruction trial. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 1490-1500.e1.	0.8	5
77	Population Pharmacokinetic/Pharmacodynamic Modeling of Methylprednisolone in Neonates Undergoing Cardiopulmonary Bypass. CPT: Pharmacometrics and Systems Pharmacology, 2019, 8, 913-922.	2.5	5
78	Palliating Premature Infants With Obstructed Total Anomalous Pulmonary Venous Connection via Catheterization. World Journal for Pediatric & Congenital Heart Surgery, 2020, 11, NP164-NP167.	0.8	5
79	Outcomes of Operator-Directed Sedation& Anesthesiologist Care in&the&Pediatric/Congenital Catheterization&Laboratory. JACC: Cardiovascular Interventions, 2021, 14, 401-413.	2.9	5
80	Congenitally Corrected Transposition Cardiac Surgery: Society of Thoracic Surgeons Database Analysis. Annals of Thoracic Surgery, 2022, 114, 1715-1722.	1.3	5
81	A strategy for atrial septal defect closure in small children that eliminates long&term wall erosion risk. Catheterization and Cardiovascular Interventions, 2013, 81, 654-659.	1.7	4
82	Image Gently Have-A-Heart Campaign. Journal of the American College of Radiology, 2018, 15, 372-373.	1.8	4
83	Variability in radiation dose and image quality: A comparison across fluoroscopy&system vendors, generations of equipment and institutions. Catheterization and Cardiovascular Interventions, 2018, 92, E471-E477.	1.7	3
84	Estimating radiation exposure during paediatric cardiac catheterisation: a potential for radiation reduction with air gap technique. Cardiology in the Young, 2019, 29, 1474-1480.	0.8	3
85	Combining clinical databases with genetic studies to help advance the causation model of congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1380-1381.	0.8	1
86	Response to Letters Regarding Article, â€œCumulative Radiation Exposure and Cancer Risk Estimation in Children With Heart Disease&• Circulation, 2015, 131, e419-20.	1.6	1
87	How should we measure research impact in paediatric cardiology?. Cardiology in the Young, 2021, 31, 1205-1206.	0.8	1
88	Decline of increased risk donor offers increases waitlist mortality in paediatric heart transplantation. Cardiology in the Young, 2021, 31, 1228-1237.	0.8	1
89	Post-operative Renal Failure, Shunt Type and Mortality after Norwood Palliation. Annals of Thoracic Surgery, 2021, , .	1.3	1
90	Extending the volume-outcomes debate into the world of congenital cardiac catheterization. American Heart Journal, 2017, 183, 115-117.	2.7	0

#	ARTICLE	IF	CITATIONS
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.	1.4	0
94	Commentary: The Trials and Tribulations of T3 Supplementation. Seminars in Thoracic and Cardiovascular Surgery, 2022, , .	0.6	0