

Children's National Heart Institute 2020 Publications



1. Adler AC, Matisoff AJ, DiNardo JA, Miller-Hance WC. Point-of-care ultrasound in pediatric anesthesia: perioperative considerations. *Current Opinion Anesthesiology*. 2020;33:343-353. DOI:10.1097/ACO.0000000000000852.
2. Agarwal A, Vittinghoff E, Myers JJ, Dudley A, Khan A, John A, Marcus GM. Ambulatory health care service use and cost among commercially insured US adults with congenital heart disease. *JAMA Network Open*. 2020;3(9):e2018752,doi:10.1001/jamanetworkopen.2020.18752.
3. Aizman L, Van Den Anker J, Tender J, Krishnan A, Kirkorian AY. Special management considerations for propranolol use in breastfed infants of mothers taking antihypertensives. *Pediatric Dermatology*. 2020;00:1-4.
4. Alkofair B, Alruwaili A, Gai J, Harahsheh AS. Impact of protein-losing enteropathy in children who underwent the fontan operation. *Cardiology in the Young*. 2020 Jun 21. 1-8. doi: 10.1017/S1047951120001985.
5. Anderson BR, Gotlieb EG, Hill K, McHugh KE, Scheurer MA, Mery CM, Pelletier GJ, Kaltman JR, White OJ, Trachtenberg FL, Hollenbeck-Pringle D, McCrindle BW, Sylvester DM, Eckhauser AW, Pasquali SK, Anderson JB, Schamberger MS, Shashidharan S, Jacobs JP, Jacobs ML, Boskovski M, Newburger JW, Nathan M. Registry-based trials: a potential model for cost savings? *Cardiology in the Young*. 2020 May 8. 30: 807–817. DOI: 10.1017/S1047951120001018
6. Barker PCA, Lewin MB, Donofrio MT, Altman CA, Ensing GJ, Arya B, Swaminathan M. Specific considerations for pediatric, fetal, and congenital heart disease patients and echocardiography service providers during the 2019 novel coronavirus outbreak: Council on pediatric and congenital heart disease supplement to the statement of the American society of echocardiography. *American Society of echocardiography*. 2020.
7. Beaton A, Kamalembo FB, Dale J, Kado JH, Karthikeyan G, Kazi DS, Longenecker CT, Mwangi J, Okello E, Ribeiro ALP, Taubert KA, Watkins DA, Wyber R, Zimmerman M, Carapetis J; on behalf of the American Heart Association Young Hearts Rheumatic Fever, Endocarditis and Kawasaki Disease Committee of the Council on Lifelong Congenital Heart Disease and Heart Health in the Young; Advocacy Coordinating Committee; Council on

- Cardiovascular and Stroke Nursing; and Council on Clinical Cardiology. The American Heart Association's call to action for reducing the global burden of rheumatic heart disease: a policy statement from the American Heart Association [published online ahead of print October 19, 2020]. *Circulation*. doi: 10.1161/CIR.0000000000000922.
8. Berger JT, Maddux AB, Reeder RW, Banks R, Mourani PM, Berg RA, Carcillo JA, Carpenter T, Hall MW, Meert KL, McQuillen PS, Pollack MM, Sapru A, Yates AR, Notterman DA, Holubkov R, Dean JM, Wessel DL. Inhaled nitric oxide use in pediatric hypoxemic respiratory failure. *Pediatric Critical Care Medicine*. 2020; p. 1-12.
 9. Boskovski MT, Homsy J, Nathan M, Sleeper LA, Morton S, Manheimer KB, Tai A, Gorham J, Lewis M, Swartz M, Alfieris GM, Bacha EA, Karimi M, Meyer D, Nguyen K, Bernstein D, Romano-Adesman A, Porter GA Jr, Goldmuntz E, Chung WK, Srivastava D, Kaltman JR, Tristani-Firouzi M, Lifton R, Roberts AE, Gaynor JW, Gelb BD, Kim R, Seidman JG, Brueckner M, Mayer JE Jr, Newburger JW, Seidman CE. De novo Damaging variants, clinical phenotypes and post-operative outcomes in congenital heart disease. *American Heart Association*. 2020 Jun 30;https://doi.org/10.1161/CIRCGEN.119.002836.
 10. Broda CR, Downing TE, John AS. Diagnosis and management of the adult patient with a failing Fontan circulation. *Heart Failure Reviews*. 2020 Mar 17; doi:10.1007/s10741-020-09932-0.
 11. Brosbe MS, Wright LK, Cantor R, Dreyer WJ, Kirmani S, Knight M, Nakano SJ, Kindel SJ, Ryan TD, Kirklin JK, Deshpande SR. Educational and learning morbidity in pediatric heart transplant recipients: A pediatric heart transplant society study. *Pediatric Transplantation*. 2020;00:e13711.
 12. Bundy V, & Harahsheh AS. Multisystem inflammatory syndrome in children: Need for large cohort matched healthy comparator group study the immunopathophysiology.
 13. Burns KM, Cottengim C, Dykstra H, Faulkner M, Erck Lambert AB, MacLeod H, Novak A, Parks SE, Russell MW, Shapiro-Mendoza CK, Shaw E, Tian N, Whittemore V, Kaltman JR. Epidemiology of sudden death in a population-based study of infants and children. *The Journal of Pediatrics*. 2020; 2:100023.
 14. Buratto E, Hu T, Lui A, Wu DM, d'Udekem Y, Brizard CP, Konstantinov IE. Early repair of complete atrioventricular septal defect has better survival than staged repair pulmonary

- artery banding: A propensity score-matched study. *The Journal of Thoracic and Cardiovascular Surgery*. 2020 Aug 11;doi:10.1016/j.jtcvs.2020.07.106.
15. Buratto E, Wallace F.R.O., Fricke TA, Brink J, d'Udekem Y, Brizard CP, Konstantinov IE. Ross procedures in children with previous aortic valve surgery. *Journal of The American College of Cardiology*. 2020;76(13):156401573. DOI:10.1016/j.jacc.2020.07.058.
 16. Cedars AM, Ko JM, John AS, Vittengl J, Stefanescu-Schmidt AC, Jarrett RB, Kutty S, Spertus JA. Development of a novel adult congenital heart disease—specific patient-report outcome metric. *Journal of American Heart Association*. 2020 Jun 2;9e015730. DOI:10.1161/JAHA.119.015730.
 17. Chang AY, Scheel A, Dewyer A, Hovis IW, Sarnacki R, Aliku T, Okello E, Bwanga F, Sable C, Maurer Ra, Beaton AZ. Prevalence, clinical features and antibiotic susceptibility of a Group A streptococcal skin infections in school children in Urban Western and Northern Uganda. *Pediatric Infectious Disease Journal*. 2019 Dec;38(12):1183-1188.
 18. Chery J, Ramakrishnan K, Cross R, Jonas R. Modified Warden Operation With the Use of Femoral Vein Homograft for Repair of a Variant of Right-Sided Partial Anomalous Pulmonary Venous Connection. *World Journal for Pediatric & Congenital Heart Surgery*. 2020;11(2), 217–219. <https://doi.org/10.1177/2150135119888219>.
 19. Chmielinska JJ, Kramer JH, Mak IT, Spurney CF, Weglicki WB. Substance P receptor blocker, aprepitant, inhibited cutaneous and other neurogenic inflammation side effects of the EGFR1-TKI, erlotinib. *Mol Cell Biochem*. 2020 Feb;465(1-2):175-185.
 20. Christopher AB, Quinn RE, Zoulfagharian S, Matisoff AJ, Cross RR, Xue H, Campbell-Washburn A, Olivieri LJ. Motion-corrected cardiac MRI is associated with decreased anesthesia exposure in children. *Pediatric Radiology*. 2020 Jul 21; 10.1007/s00247-020-04766-2. doi:10.1007/s00247-020-04766-2.
 21. Clark BC, Ceresnak SR, Pass RH, Nappo L, Sumihara K, Dubin AM, Motonaga K, Moak JP. Can the 12-lead ECG distinguish RVOT from aortic cusp PVCs in pediatric patients. *Electrophysiology*. 2020 Feb 3;doi:10.1111/pace.13885.
 22. Clark BC, Kumthekar R, Mass P, Opfermann JD, Berul CI. Chronic performance of subxiphoid minimally invasive pericardial Model 20066 pacemaker lead insertion in an

- infant animal model. *Journal of Interventional Cardiac Electrophysiology* (2020)59:13-19. <https://doi.org/10.1007/s10840-019-00626-8>.
23. Clauss SB, & de Ferranti SD. Update on preventative cardiology. *Pediatric Clinics of North America*. 2020;923-944. <https://doi.org/10.1016/j.pcl.2020.06.006>.
 24. Clemens PR, Niizawa G, Feng J, Florence J, D'Alessandro AS, Morgenroth LP, Gorni KG, Guglieri M, Connolly A, Wicklund M, Bertorini T, Mah JK, Thangarajh M, Smith E, Kuntz N, McDonald CM, Henricson EK, Upadhyayula S, Byrne B, Manousakis G, Harper A, Bravver E, Iannaccone S, Spurney C, Cnaan A, Gordish-Dressman H. The CINRG Becker natural history study: Baseline characteristics. *Muscle & Nerve*. 2020;1-8. <https://doi.org/10.1002/mus.27011>.
 25. Colyer J, Halley T, Winter M, Coldren J, Parra M. Are you my doctor? Utilizing personalized provider cards to improve patient/doctor connections. *Patient Experience Journal*. 2019;6(3).
 26. Das, B, Trivedi, JR, Sinha, P, Ramakrishnan, K, Alsoufi, B, Deshpande, SR. Interplay between donor and recipient factors impacts outcomes after pediatric heart transplantation: An analysis from the united network for organ sharing database. *Pediatric Transplant*. 2020; 00:e13912. <https://doi.org/10.1111/petr.13912>
 27. Davis LM, Yee MG.Y., Sheridan BJ, d'Udekem Y, Brizard CP, Konstantinov IE, Mathew J, Brink J. Berlin Heart EXCOR support in the first year of life: A single centre experience. *Heart, Lung, and Circulation* 2020. DOI: 10.1016/j.hlc.2020.05.104.
 28. D'Udekem Y, Thambo JB, Iyengar AJ, Rychik J. Are we getting closer to identifying the best follow-up and management after Fontan completion? *Journal of thoracic and cardiovascular surgery*. 2020 Jul 4;S0022-5223(20)31981-4. DOI: 10.1016/j.jtcvs.2020.03.186.
 29. Dean NP, Ghebremariam E, Szeles R, Levin A, Colyer J, Steinhorn RH. Late rescue collaborative: Reducing non-ICU arrests. *Pediatric Critical Care Medicine*. 2019 Dec 17. doi:10.1097/PCC.0000000000002224.
 30. DeBiasi RL, Song X, Delaney M, Bell M, Smith K, Pershad J, Ansusinha E, Han A, Hamdy R, Harik N, Hanisch B, Jantusch B, Koay A, Steinhorn R, Newman K, Wessel D. Severe

- COVID-19 in children and young adults in the Washington, DC Metropolitan region. *The Journal of Pediatrics*. 2020 6 May; <https://doi.org/10.1016/j.jpeds.2020.05.007>.
31. Desai MH, Peer SM, Bukhari SM, Jonas RA, Yerebakan C. Right atrial cannulation via thoracotomy for emergent extracorporeal membrane oxygenation in pediatric patients with prior sternotomy. *American Society for Artificial Internal Organs*. 2020 May 11. doi:10.1097/MAT.0000000000001170.
 32. Desai MH, Sinha P, Jonas RA, Ramakrishnan K. Modified Yasui operation using cryopreserved femoral vein homograft. *The Society of Thoracic Surgeons*. 2020;110:e147-9.
 33. Desai M, Yerebakan C. Commentary: The oxygen metabolism of the brain transparent. *The Journal of Thoracic and Cardiovascular Surgery*. 2019 Sep 24. pii:S0022-5223(19)32048-3. doi: 10.1016/j.jtcvs.2019.09.052.
 34. Deshpande SR, Desai M, Sinha P, Kanter J, Yerebakan C. Inflow cannula obstruction in Berlin Heart Excor and novel extracorporeal membrane oxygenation cannulation for rescue. *The International Journal of Artificial Organs*. 2020 Jan 29. 391398820901828. doi: 10.1177/0391398820901828.
 35. Deshpande SR, Kennedy KF, Vincent RN, Maher KO. Atrial septostomy in patients supported with venoarterial extracorporeal membrane oxygenation: Analysis of the IMPACT registry data. *The International Journal of Artificial Organs*. 2020;1-7. DOI:10.1016/S0735-1097(20)31220-1.
 36. Deshpande SR, Willett RC, Ramakrishnan K, Peer SM, Sinha P. Circulatory support for prolonged electro-mechanical standstill in fulminant pediatric myocarditis. *The International Journal of Artificial Organs*. 2020;391398820972708. doi:10.1177/0391398820972708
 37. Deshpande SR, Yerebakan C. Commentary: Crawling toward heart transplantation and beyond. *The Journal of Thoracic and Cardiovascular Surgery*. 2019 Dec 9. pii:S0022-5223(19)36126-4. doi: 10.1016/j.jtcvs.2019.11.080
 38. Diamantino A, Nascimento BR, Beaton AZ, Nunes MCP, Oliveira KKB, Rabelo LC, Barbosa MM, Tompsett AR, Olivieri L, Mata MD, Costa WAA, Pereira AF, Diamantino LC, Ribeiro AL, Sable C, Brant LCC. Atrial fibrillation detection with a portable device during

- cardiovascular screening in primary care. *Heart*. 2020;0:1-6. doi:10.1136/heartjnl-2019-316277.
39. Diddle JW, Riley CM, Hom LA, Klugman D. Open hearts: Sharing data to improve outcomes in congenital heart disease. *Current Treatment Options in Pediatrics*. 2020 Sep 5; <https://doi.org/10.1007/s40746-020-00211-6>
 40. Dyavanapalli J, Hora AJ, Escobar JB, Schloen J, Dwyer MK, Rodriguez J, Spurney CF, Kay MW, Mendelowitz D. Chemogenetic activation of intracardiac cholinergic neurons improves cardiac function in pressure overload-induced heart failure. *American Journal of Physiology: Heart and Circulatory Physiology*. 2020. 319:H3-H12. Doi:10.1152/ajpheart.00150.2020.
 41. Dyavanapalli J, Rodriguez J, dos Santos CR, Escobar JB, Dwyer MK, Schloen J, Lee KM, Wolaver W, Wang X, Dergacheva O, Michelini LC, Schunke KJ, Spurney CF, Kay MW, Mendelowitz D. Activation of oxytocin neurons improves cardiac function in a pressure-overload model of heart failure. *Journal American College of Cardiology: Basic to Translational Science*. 2020 May 5; 5(5). Doi:10.1016/j.jacbts.2020.03.007.
 42. Ekure EN, Sokunbi O, Kalu N, Olusegun-Joseph A, Kushimo O, Amadi C, Hassan O, Ikebudu D, Onyia S, Onwudiwe C, Nwankwo V, Akinwumi R, Awusa F, Akere Z, Dele-Salawu O, Ajayi E, Ale O, Muoneke D, Muenke M, Kruszcza P, Beaton A, Sable C. Congenital heart disease in school children in Lagos, Nigeria: prevalence and the diagnostic gap. *American Journal of Medical Genetics*. 2020 Mar;184(1):47-52. doi: 10.1002/ajmg.c.31779.
 43. Elias M, McCrindle B, Larios G, Choueiter N, Dahdah N, **Harahsheh A**, Jain S, Manlhiot C, Portman MA, Raghuvver G, Giglia TM, Dionne A. International Kawasaki Disease Registry. Management of Multisystem Inflammatory Syndrome in Children Associated with COVID-19: A Survey from the International Kawasaki Disease Registry. *CJC Open*. 2020 Sep 11. doi: 10.1016/j.cjco.2020.09.004
 44. Ferschl MB, Lee JK, Lockman JL, Black S, Chatterjee D, Agarwal R, Schwartz LI, Fiadjoe J, Heitmiller E, Mershon BH, Deutsch N, McCloskey J, Infosino A. East/West visiting scholars in pediatric anesthesia program (ViSiPAP): Developing tomorrow's pediatric anesthesia leaders. *Pediatric Anesthesia*. 2020;20:743-748. DOI:10.1111/pan.13867.
 45. Files MD, Erickson L, Reid K, Roten L, Leach A, Davis JA, Truong D, Shirali. Gaps in pediatric cardiac care: Opportunities to make a difference. *Progress in Pediatric Cardiology*. 2019 Sep. 54; <https://doi.org/10.1016/j.ppedcard.2019.101126>.

46. Frank LH, Berul CI. The never-ending uphill slope: assessing paced ventricular function in the era of advanced mechanical imaging. *European Society of Cardiology*. 2020 Jan 3. pii:euz348.
47. Freedenberg VA, Jiang J, Cheatham CA, Sibinga E, Powell CA, Martin GR, Steinhorn DM, Kemper KJ. Mindful mentors: Is a longitudinal mind-body skills training pilot program feasible for pediatric cardiology staff? *Global Advances in Health and Medicine*. 2020;0:1-11.doi:10.1177/2164956120959272.
48. Freud LR, McElhinney DB, Kalish BT, Escobar-Diaz MC, Komarlu R, Puchalski MD, Jaeggi ET, Szwasz AL, Freire G, Lévasséur SM, Kavanaugh-McHugh A, Michelfelder EC, Moon-Grady AJ, Donofrio MT, Howley LW, Selamet Tierney ES, Cueno BF, Morris SA, Pruetz JD, van der Velde ME, Jovalchin JP, Ikemba CM, Vernon MM, Samai C, Satou GM, Gotteiner NL, Phoon CK, Silverman NH, Tworetzky W. Risk Factors for Mortality and Circulatory Outcome Among Neonates Prenatally Diagnosed With Ebstein Anomaly or Tricuspid Valve Dysplasia: A Multicenter Study [published online ahead of print, 2020 Oct 20]. *Journal American Heart Association*. 2020;e016684. doi:10.1161/JAHA.120.016684
49. Futterman C, Salvin JW, McManus M, Lowry AW, Baronov D, Almodovar MC, Pineda JA, Nadkarni VM, Laussen PC, Gazit AZ. Inadequate oxygen delivery index dose is associated with cardiac arrest risk in neonates following cardiopulmonary bypass surgery. *European Resuscitation Council*. Jul 2019;142:74-80.
50. GBD 2017 Congenital Heart Disease Collaborators. Global, regional, and national burden of congenital heart disease, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet Child & Adolescent Health*. 2020 Mar 1;4(3),p.185-200.
51. Global Burden of Disease. Global, regional, and national burden of congenital heart disease, 1990-2017: a systematic analysis for the global burden of disease study 2017. *Lancet Child Adolescent Health*. 2020 Jan 21.
52. Góreczny S, Truco S, Batlivala SP, Hiremath G, Whiteside W, Downing T, Callahan R. Highlights from the pediatric and congenital interventional cardiology early-career society (PICES) 2019 activities. *Advances in Interventional Cardiology*. 2020;16,1(59):15-18. DOI: <https://doi.org/10.5114/aic.2020.93908>.

53. Grewal J, Valente AM, Egbe AC, Wu FM, Krieger EV, Sybert VP, van Hagen I, Beauchesne LM, Rodriguez FH, Broberg CS, John A, Bradley EA, Ross-Hesselink JW. Cardiovascular outcomes of pregnancy in Turner syndrome. *Congenital Heart Disease*. 2020 May 22; 0:1–6. doi:10.1136/heartjnl-2020-316719.
54. Harahsheh, A., & Bundy, V. Review 2: “Cytotoxic lymphocytes are dysregulated in multisystem inflammatory syndrome in children.” *Rapid Reviews COVID-19*. 2020. <https://doi.org/10.1162/2e3983f5.5b33ba44>
55. Harahsheh A, Dahdah N, Newburger J, Portman M, Tulloh R, McCrindle B, et al. The COVID-19 Pandemic, From Worrying About Missed or Delayed Diagnosis of Kawasaki Disease to the Flood of Multisystem Inflammatory Syndrome in Children (MIS-C). (Reply) *J Pediatr*. Sep;224:184-185. doi:<https://doi.org/10.1016/j.jpeds.2020.06.072>
56. Harahsheh AS, Dahdah N, Newburger JW, Portman MA, Piram M, Tulloh R, McCrindle BW, de Ferranti SD, Cimaz R, Truong DT, Burns JC. Missed or delayed diagnosis of Kawasaki disease during the 2019 novel Coronavirus disease (COVID-19) pandemic. *The Journal of Pediatrics*. 2020 May 3;doi:10.1016/j.jpeds.2020.04.052.
57. Harahsheh AS, & Sade R. Active and passive euthanasia in the context of severe congenital heart disease. *Bioethical Controversies in Pediatric Cardiology*. 2020 Feb; 251-259.
58. Hartz J, Krauss RM, Göttstater M, Melander O, Nilsson P, Mietus-Synder M. Lipoprotein particle predictors of arterial stiffness after 17 years of follow up: The Malmö diet and cancer study. *International Journal of Vascular Medicine*. 2020. Doi:10.1155/2020/4219180.
59. Heneghan JA, Ramakrishnan K, Wernovsky G. Type C esophageal atresia and D-transposition of the great arteries in a newborn. *World Journal for Pediatric and Congenital Heart Surgery*. 2020 Apr 30; 652-653. DOI: 10.1177/2150135120928961.
60. Hom LA, Martin GR. Newborn critical congenital heart disease screening using pulse oximetry: Value and unique challenges in developing regions. *International Journal of Neonatal Screening* 2020;6(74): DOI:10.3390/ijns6030074.

61. Ibrahim N, Gillette N, Patel H, Peiris V. Regulatory science, and how device regulation will shape our future. *Pediatric Cardiology*. 2020. 41:469-474. <https://doi.org/10.1007/s00246-020-02296-0>.
62. Ilardi D, Sanz JH, Cassidy AR, et al. Neurodevelopmental evaluation for school-age children with congenital heart disease: recommendations from the cardiac neurodevelopmental outcome collaborative. *Cardiology in the Young*. 2020;1-14. doi:10.1017/S1047951120003546
63. Ishibashi N, and Jonas RA. Commentary: Nitric oxide: an important contributor to neuroprotection during pediatric cardiac surgery. *The Journal of Thoracic and Cardiovascular Surgery*. 2020 Jan 7. pii: S0022-5223(20)30032-5. doi: 10.1016/j.jtcvs.2019.12.057.
64. Ito S, Chapman KA, Kisling M, John AS. Genetic considerations for adults with congenital heart disease. *American Journal of Medical Genetics*. 2020;1-5.
65. Jonas RA. Challenges for adult survivors of simple congenital heart disease. *Journal of the American Heart Association*. 19 May 2020; 9(11):<https://doi.org/10.1161/JAHA.120.017210>.
66. Kaltman JR. Assessing the cost-effectiveness of home automated external defibrillators for pediatric patients: Getting us closer to the truth. *Heart Rhythm*. 2020 Apr 8. Pii:S1547-5271(20)30291-5. doi:10.1016/j.hrthm.2020.03.029.
67. Kaltman JR, Burns KM, Pearson GD, Goff DC, Evans F. Disparities in congenital heart disease mortality based on proximity to specialized pediatric cardiac center. *Circulation*. 2020;141.
68. Kavey REW, Manlhiot C, Runeckles K, Collins T, Gidding SS, Demczko M, Clauss S, Harahsheh AS, Mietus-Syder M, Khoury M, Madsen N, McCrindle BW. Effectiveness and safety of statin therapy in children: A real-world clinical practice experience. *CJC*. 2020;2(6):473-482. doi: 10.1016/j.cjco.2020.06.002
69. Kerris EWJ, Sharron M, Zurakowski D, Staffa SJ, Yurasek G, Diab Y. Hospital-associated venous thromboembolism in a pediatric cardiac ICU: A multivariable predictive algorithm to identify children at high risk. *Pediatric Critical Care Medicine*. 2020 Mar 11. Doi:10.1097/PCC.0000000000002293.

70. Kim B, Loke YH, Mass P, Irwin MR, Capeland C, Olivieri L, Krieger A. A novel virtual reality medical image display system for group discussion of congenital heart disease: Development and usability testing. *JMIR Cardio*. 2020;4(1):e20633) doi: 10.2196/20633
71. Klugman D, Melton K, Maynard PO, Dawson A, Madhavan G, Montgomery VL, Nock M, Lee A, Lyren AL. Assessment of an unplanned extubation bundle to reduce unplanned extubations in critically ill neonates, infants, and children. *JAMA Pediatrics*. 2020 Apr 13. doi:10.1001/jamapediatrics.2020.0268.
72. Kuhn VA, Carpenter JL, Zurakowski D, Reitz JG, Tague L, Donofrio MT, Murnick J, Axt-Fliedner R, Limperopoulos C, Yerebakan C. Determinants of neurological outcome in neonates with congenital heart disease following heart disease. *Pediatric Research*. 2020; <https://doi.org/10.1038/s41390-020-1085-1>
73. Kulesa JT, Balsara SL, Ghebremariam ET, Colyer J. Designing a process for cardiology patient transfers: A quality improvement, descriptive study on interprovider communication and resident education. *Pediatric Quality and Safety*. 2020;3:e300.
74. Kumar RK, Antunes MJ, Beaton A, Mirabel M, Nkomo VT, Okello E, Regmi PR, Reményi B, Sliwa-Hähnle K, Zühlke LJ, Sable C; On behalf of the American Heart Association Council on Lifelong Congenital Heart Disease and Heart Health in the Young; Council on Cardiovascular and Stroke Nursing; and Council on Clinical Cardiology. Contemporary Diagnosis and Management of Rheumatic Heart Disease: Implications for closing the gap: A scientific statement from the American Heart Association. *Circulation*. 2020;142:00-00.DOI:10.1161/CIR. 0000000000000921.
75. Kumthekar RN, Sinha L, Opfermann JD, Mass P, Clark BC, Yerebakan C, Berul CI. Surgical pericardial adhesion do not preclude minimally invasive epicardial pacemaker lead placement in an infant porcine model. *Journal of Cardiovascular Electrophysiology*. 2020 Aug 2020;1-7:<https://doi.org/10/1111/jce.14724>.
76. Kumthekar RN, Sumihara K, Moak JP. Pediatric radiofrequency ablation of cardiac parasympathetic ganglia to achieve vagal denervation. *Heart and Rhythm Case Reports*. 2020;6:879-883. DOI:10.1016/j.hrcr.2020.09.004

77. Lagergren SM, Jensen M, Beaven B, Goudar S. Clinical pathway for the fontan patient to standardize care and improve outcomes. *Cardiology in the Young*. 2020;1-6; doi: 10.1017/S1047951120001924
78. Landis WP, Morgan RW, Reeder RW, Graham K, Siems A, Diddle JW, Pollack MM, Maa T, Fernandez RP, Yates AR, Tilford B, Ahmed T, Meert KL, Schneiter C, Bishop R, Mourani PM, Naim MY, Friess S, Burns C, Manga A, Franzon D, Tabbutt S, McQuillen PS, Horvat CM, Bochkoris M, Carcillo JA, Huard L, Federman M, Sapru A, Viteri S, Hehir DA, Notterman DA, Holubkov R, Dean JM, Nadkarni VM, Berg RA, Wolfe HA, Sutton RM, the Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN) Investigators the National Heart Lung and Blood Institute ICU-RESUScitation Project Investigators. Variability in chest compression rate calculations during pediatric cardiopulmonary resuscitation. *Resuscitation*. 2020 Feb 20; 149:127-133.
79. Lee W, Anton T, Copel JA, DeVore GR, Kaimal A, Wilkins IA, Benson CB, Frates MC, Donofrio MT, Moon-Grady AJ, Salomon LJ, Abuhamad A, Dubinski TJ, Woodward PJ, Cohen HJ, Hornberger L, Sinkovskaya E, Solomon J, Yeo L. AIUM practice parameter for the performance of fetal echocardiography. *Journal of Ultrasound Medicine*. 2020;38E5-E16.
80. Loke YH, Berul CI, Harahsheh AS. Multisystem inflammatory syndrome in children: Is there a linkage to Kawasaki disease? [published online ahead of print, 2020 Jul 20]. *Trends Cardiovascular Medicine*. 2020;S1050-1738(20)30101-8. doi:10.1016/j.tcm.2020.07.004
81. Loke YH, Kim B, Mass P, Opfermann JD, Hibino N, Krieger A, Olivieri L. Role of surgeon intuition and computer-aided design in Fontan optimization: A computational fluid dynamics simulation study. *The American Association for Thoracic Surgery*. 2020 Jan 8. pii:S0022-5223(20)30050-7. DOI: 10.1016/j.jtcvs.2019.12.068.
82. Lopez L, Frommelt PC, Colan SD, Trachtenberg FL, Russell G, Stylianou M, Bhat A, Burns KM, Cohen MS, Dragulescu A, Freud LR, Frommelt MA, Lytrivi ID, Mahgerefteh J, McCrindle BW, Pignatelli R, Prakash A, Sachdeva R, Soslow JH, Spurney C, Taylor CL, Thankavel PP, Thorsson T, Tretter JT, Young LT, Minich LL. Pediatric Heart Network echocardiographic Z scores: Comparison with other published models. *Journal of the American Society of Echocardiography*. 2020. Doi:10.1016/j.echo.2020.09.019

83. Maeda T, Sarkislali K, Leonetti C, Kapani N, Dhari Z, Al Haj I, Ulrey R, Hanley PJ, Jonas RA, Ishibashi N. Impact of Mesenchymal Stromal Cell delivery through cardiopulmonary bypass on postnatal neurogenesis. *The Annals of Thoracic Surgery*. 2019 Sep 26. pii:S0003-4975(19)31424-9. doi:10.1016/j.athoracsur.2019.08.036.
84. Mandell JG, Christopher A, Olivieri LJ, Loke YH. Diagnosis of a coronary sinus atrial septal defect by 4D flow MRI. *Society for Cardiovascular Magnetic Resonance*. N.d.
85. Mandell JG, Loke YH, Mass PN, Opfermann J, Cleveland V, Aslan S, Hibino N, Krieger A, Olivieri LJ. Aorta size mismatch predicts decreased exercise capacity in patients with successfully repaired coarctation of the aorta. *The Journal of Thoracic and Cardiovascular Surgery*. 2020. DOI:10.1016/j.jtcvs.2020.09.103.
86. Manlhiot C, Newburger JW, Low Tisiana, Dhdah N, Mackie AS, Raghuvver G, Giglia TM, Dallaire F, Mathew M, Runeckles K, Pahl E, Harahsheh AS, Norozi K, de Ferranti SD, Friedman K, Yetman AT, Kutty S, Mondal T, McCrindle BW. Low-molecular-weight heparin vs warfarin for thromboprophylaxis in children with coronary artery aneurysms after kawasaki disease: a pragmatic registry trial. *Canadian Journal of Cardiology*. 2020. 1-10. <https://doi.org/10.1016/j.cjca.2020.01.016>.
87. Marathe SP, Iyengar AJ, Betts KS, du Plessis K, Salve GG, Justo RN, Venugopal P, Winlaw DS, d'Udekem Y, Alphonso N. Long-term outcomes following Fontan takedown in Australia and New Zealand [published online ahead of print, 2020 Oct 6]. *Journal of Thoracic and Cardiovascular Surgery*. 2020;S0022-5223(20)32672-6. doi:10.1016/j.jtcvs.2020.09.074
88. Martin GR, Ewer AK, Gaviglio, Hom LA, Saarinen A, Sontag M, Burns KM, Kemper AR, Oster ME. Updated strategies for pulse oximetry screening for critical congenital heart disease. *Journal of the American Academy of Pediatrics*. 2020 Jun, e20191650; doi:<https://doi.org/10.1542/peds.2019-1650>.
89. Mass PN, Kumtheakar RN, Berul CI, Opfermann JD. A novel tool for improved control and maneuverability in pediatric cardiac catheter ablation procedures. *American Society of Mechanical Engineers*. 2020 Apr 6. 1-5.
90. McCrindle BW, Manlhiot C, Newburger JW, Harahsheh AS, Giglia TM, Dallaire F, Friedman K, Low T, Runeckles K, Mathew M, Mackie AS, Choueiter NF, Jone PN, Kutty S, Yetman AT, Raghuvver G, Pahl E, Norozi K, McHugh KE, Li JS, De Ferranti SD, Dahdah N, International

Kawasaki Disease Registry. Medium-Term Complications Associated With Coronary Artery Aneurysms After Kawasaki Disease: A Study From the International Kawasaki Disease Registry. *J Am Heart Assoc*. 2020;9(15):e016440. DOI:10.1161/JAHA.119.016440

91. Melvan JM, Davis J, Heard M, Trivedi JR, Wolf M, Kanter KR, Deshpande SR, alsoufi B. Factors associated with survival following extracorporeal cardiopulmonary resuscitation in children. *World Journal for Pediatric and Congenital Heart Surgery*. 2020;11(3):265-274.
92. Mietus-Snyder M, Narayanan N, Krauss RM, et al. Randomized nutrient bar supplementation improves exercise-associated changes in plasma metabolome in adolescents and adult family members at cardiometabolic risk. *PLoS One*. 2020;15(10):e0240437. doi:10.1371/journal.pone.0240437
93. Miller TA, Sadhwani A, Sanz J, et al. Variations in practice in cardiac neurodevelopmental follow-up programs [published online ahead of print, 2020 Oct 23]. *Cardiol Young*. 2020;1-6. doi:10.1017/S1047951120003522
94. Mokshagundam D, Olivieri LJ, McCarter R, Kim A, Sable CA, Spurney CF, Dham N. Cardiac changes in pediatric cancer survivors. *Journal of Investigative Medicine*. 2020;0:1–6. doi:10.1136/jim-2020-001373.
95. Morales DLS, Adachi I, Peng DM, Sinha P, Lorts A, Fields K, Conway J, St Louis JD, Cantor R, Koehl D, Jacobs JP, Kirklin JK, Blume ED, Rossano JW. Fourth Annual Pediatric Interagency Registry for Mechanical Circulatory Support (Pedimacs) Report. *The Annals Thoracic Surgery*. 2020;110(6):1819-1831. doi:10.1016/j.athoracsur.2020.09.003
96. Morgan RW, Reeder RW, Meert KL, Telford R, Yates AR, Berger JT, Graham K, Landis WP, Kilbaugh TJ, Newth CJ, Carcillo JA, McQuillen PS, Harrison RE, Moler FW, Pollack MM, Carpenter TC, Notterman D, Holubkov R, Dean JM, Nadkarni VM, Berg RA, Sutton RM; Eunice Kennedy Shriver National Institute of Child Health and Human Development/Collaborative Pediatric Critical Care Research Network (CPCCRN) Pediatric Intensive Care Quality of Cardio-Pulmonary Resuscitation (PICqCPR) Investigators. Survival and hemodynamics during pediatric cardiopulmonary resuscitation for Bradycardia and poor perfusion versus pulseless cardiac arrest. *Critical Care Medicine*. 2020 Apr 14. doi:10.1097/CMM.0000000000004308.

97. Muhamed B, Shaboodien G, Engel ME. Genetic variants in rheumatic fever and rheumatic heart disease. *American Journal of Medical Genetics*. 2020 Mar;184(1):159-177. DOI: 10.1002/ajmg.c.31773.
98. Munoz RA, Morell VO, da Cruz EM, Vetterly CG, da Silva JP. Critical Care of Children with Heart Disease. 2nd ed. New York City, NY: Springer International Publishing;2020.
99. Nahar J. Potential of conversational artificial intelligence (AI) in medicine. 2020.
100. Namuyonga J, Lubega S, Aliku T, Omagino J, Sable C, Lwabi P. Pattern of congenital heart disease among children presenting to the Uganda Heart Institute, Mulago Hospital: A 7-year review. *African Health Sciences*. 2020 Jun;20(2).
101. Newburger JW, Portman MA, Tulloh R, McCrindle BW, Cimaz R, Burns JC. Reply. *The Journal of Pediatrics*. 2020. <https://doi.org/10.1016/j.jpeds.2020.06.072>.
102. Nourai M, Darbari DS, Rana S, Minniti CP, Castro OL, Luchtman-Jones L, Sable C, Dham N, Kato GJ, Gladwin MT, Ensing G, Arteta M, Campbell A, Taylor VI JG, Sekhai S, Gordeuk VR. Tricuspid regurgitation velocity and other biomarkers of mortality in children, adolescents and young adults with sickle cell disease in the United States: The PUSH study. *American Journal of Hematology*. 2020 Mar 25;doi:10.1002/ajh.25799.
103. Okello E, Ndagire E, Atala J, Bowen AC, DiFazio MP, Harik NS, Longenecker CT, Lwabi P, Murali M, Norton SA, Omara IO, Oyella LM, Parks T, Pulle J, Rwebembera J, Sarnacki RJ, Spurney CF, Stein E, Tochen L, Watkins D, Zimmerman M, Carapetis JR, Sable C, Beaton A. Active case finding for rheumatic fever in an endemic country. *Journal of American Heart Association*. 2020;9e016053. doi:10.1161/JAHA.120.016053.
104. Okello E, Murali M, Rwebembera J, Atala J, Bowen AC, Harik N, Kaudha G, Kitooleko S, Longenecker C, Ndagire E, Omara IO, Oyella LM, Parks T, Pulle J, Sable C, Sarnacki R, Stein E, Zimmerman M, de Klerk N, Carapetis J, Beaton A. Cross-sectional study of population-specific streptococcal antibody titres in Uganda. *Archives of Disease in Childhood*. 2020 Jun. doi:10.1136/archdischild-2020-318859.
105. Olivieri LJ, Jiang J, Hamann K, Loke YH, Campbell-Washburn A, Xue H, McCarter R, Cross R. Normal right and left ventricular volumes prospectively obtained from cardiovascular magnetic resonance in awake, healthy, 0-12 year old children. *Journal of Cardiovascular Magnetic Resonance*. 2020;22:11.

106. Oster ME, Martin GR. Newborn screening for critical congenital heart disease: Appropriately evaluating this public health program. *Pediatric Cardiology*. 2020.41:1074. <https://doi.org/10.1007/s00246-020-02370-7>.
107. Patel TM, Kamande SM, Jarosz, Bost JE, Hanumanthaiah S, Berul CI, Sherwin ED, Moak JP. Treadmill exercise testing improves diagnostic accuracy in children with concealed congenital long QT syndrome. *Pacing Clinical Electrophysiology*. 2020;43(12):1521-1528. doi:10.1111/pace.14085
108. Pearson GD, Burns KM, Pemberton VL. Clinical Trials in Children. *Principles and Practice of Clinical Trials*. 2020 March 2; 1-17.
109. Pearson GD, Mensah GA, Rosenberg Y, Stoney CM, Kavounis K, Goff DC. National heart, lung, and blood institute cardiovascular clinical trial perspective. *American Heart Journal*. 2020 Jun;224:25-34. DOI: 10.1016/j.ahj.2020.02.014.
110. Puente BN, Sun J, Parks RJ, et al. MICU3 Plays an Important Role in Cardiovascular Function. *Circulation Research*. 2020;10.1161/CIRCRESAHA.120.317177. DOI:10.1161/CIRCRESAHA.120.317177
111. Pinto NM, Morris SA, Moon-Grady AJ, Donofrio MT. Prenatal cardiac care: Goals, priorities & gaps in knowledge in fetal cardiovascular disease: Perspectives of the Fetal Heart Society. *Progress in Pediatric Cardiology*. 2020 Oct 17:101312. Doi:10.1016/j.ppedcard.2020.101312.
112. Ramadan M, Cooper B, Posnack NG. Bisphenols and phthalates: Plastic chemical exposures can contribute to adverse cardiovascular health outcomes. *Birth Defects Research*. 2020 Jun 10;112:1362-1385. DOI:10.1002/bdr2.1752.
113. Reddy SK, Volpi-Abadie J, Gordish-Dressman H, Chao JW, Luban NLC, Deutsch N. Optimizing perioperative red blood cell utilization and wastage in pediatric craniofacial surgery. *The Journal of Crainofacial Surgery*. 2020 Sep;31(6):1743-1746. DOI: 10.1097/SCS.00000000000006523.
114. Reilly M, Bruno CD, Prudencio TM, Ciccarelli N, Guerrelli D, Nair R, Ramadan M, Kuban NLC, Posnack NG. Potential consequences of the red blood cell storage lesion on cardiac

- electrophysiology. *Journal of the American Heart Association*. 2020;9:e017748.DOI:10.10161/JAHA.120.017748.
115. Richmond ME, Zangwill SD, Kindel SJ, Deshpande SR, Schroder JN, Bichell DP, Knecht KR, Mahle WT, Wigger MA, Gaglianella NA, Pahl E, Simpson PM, Dasgupta M, North PE, Hidestrand M, Tomita-Mitchell A, Mitchell ME. Donor fraction cell-free DNA and rejection in adult and pediatric heart transplantation. *The Journal of Heart and Lung Transplantation*. 2020;39(5):454-463. doi:10.1016/j.healun.2019.11.015
 116. Richter F, Morton SU, Won Kim, S, Kitaygorodsky A, Wasson LK, Chen KM, Zhou J, Qi H, Patel N, DePalma SR, Parfenov M, Homsy J, Gorham JM, Manheimer KB, Velinder M, Farrell A, Marth G, Schadt EE, Kaltman JR, Newburger JW, Giardini A, Goldmuntz E, Brueckner M, Kim R, Porter Jr GA, Bernstein D, Chung WK, Srivastava D, Tristani-Firouzi M, Troyanskaya OG, Dickel DE, Shen Y, Seidman JG, Seidman CE, Gelb BD. Genomic analyses implicated noncoding de novo variants in congenital heart disease. *Nature Genetics*. 2020 Jun 29. <https://doi.org/10.1038/s41588-020-0652-z>.
 117. Riggs KW, Zafar F, Lorts A, Chin C, Bryant R 3rd, Tweddell JS, Morales DLS. The reality of limping to pediatric heart transplant. *The Journal of thoracic and cardiovascular surgery*. 2019 Oct 31. pii: S0022-5223(19)32375-X. doi: 10.1016/j.jtcvs.2019.10.077.
 118. Roth GA, Mensah GA, Johnson CO, Addolorato G, Ammirati E, Baddour LM, Barengo NC, Beaton AZ, Benjamin EJ, Benziger CP, Bonny A, Brauer M, Brodmann M, Cahill TJ, Carapetis J, Catapano AL, Chugh SS, Cooper LT, Coresh J, Criqui M, DeCleene N, Eagle KA, Emmons-Bell S, Feigin VL, Fernandez-Sola J, Fowkes G, Gakidou E, Grundy SM, He FJ, Howard G, Hu F, Inker L, Karthikeyan G, Kassebaum N, Koroshetz W, Lavie C, Lloyd-Jones D, Lu HS, Mirijello A, Misganaw Temesgen A, Mokdad A, Moran AE, Muntner P, Narula J, Neal B, Ntsekhe M, Moraes de Oliveira G, Otto C, Owolabi M, Pratt M, Rajagopalan S, Reitsma M, Ribeiro ALP, Rigotti N, Rodgers A, Sable C, Shakil S, Sliwa-Hahnle K, Stark B, Sundstrom J, Timpel P, Tleyjeh IM, Valgimigli M, Vos T, Whelton PK, Yacoub M, Zuhlke L, Murray CJL, Fuster V. Global Burden of Cardiovascular Diseases and Risk Factors, 1990–2019. *Journal of the American College of Cardiology*. 9 December 2020. doi: 10.1016/j.jacc.2020.11.010.
 119. Sable C. Update on prevention and management of rheumatic heart disease. *Pediatric Clinics of North America* 2020;67(5):843-853. DOI:10.16/j.pcl.2020.06.003.

120. Sanapo L, Al-Shargabi T, Ahmadzia HK, Schidlow DN, Donofrio MT, Hitchings L, Khoury A, Maxwell GL, Baker R, Bulas DI, Gomex LM, du Plessis AJ. Fetal acute cerebral vasoreactivity to maternal hyperoxia in low-risk pregnancies: a cross-sectional study. *Prenatal Diagnosis*. 2020 Apr 9. doi:10.1002/pd.5694.
121. Sanapo L, Donofrio MT, Ahmadzia HK, Gimovsky AC, Mohamed MA. The Association of Maternal Hypertensive Disorders with Neonatal congenital Heart Disease: Analysis of a United States cohort. *Journal Perinatology*. 2020 Nov;40(11):1617-1624. doi: 10.1038/s41372-020-00795-9
122. Scheel A, Mirabel M, Nunes MCP, et al. The inter-rater reliability and individual reviewer performance of the 2012 world heart federation guidelines for the echocardiographic diagnosis of latent rheumatic heart disease [published online ahead of print, 2020 Nov 10]. *International Journal of Cardiology*. 2020;S0167-5273(20)34087-0. doi:10.1016/j.ijcard.2020.11.013
123. Schreiber JM, Frank LH, Kroner BL, Bumbut A, Ismail MO, Gaillard WD. Children with tefractory epilepsy demonstrate alterations in myocardial strain. *International League against Epilepsy*. 2020;00:1-10. DOI:10.1111/epi.16652.
124. Seaman CS, d'Udekem Y, Jones B, Brizard C, Cheung MMH. Augmented of pulmonary arterial growth in single ventricle patients by interim selective shunts. *Seminars in thoracic and cardiovascular surgery*. 2020 sep;S1043-0679(20)30280-X.DOI:10.1053/j.semtcvs.2020.09.007.
125. Sethi N, Doshi A, Doshi T, Cross R, Cronin I, Amin E, Kanter J, Scheel J, Khan S, Campbell-Washburn A, Olivieri L. Quantitative cardiac magnetic resonance T2 imaging offers ability to non-invasively predict acute allograft rejection in children. *Cardiology in the Young*. 2020 Mar 27.DOI:10.1017/s104795112000116x.
126. Sethi N, Funamoto K, Ingbar C, Mass P, Moak J, Wakai R, Strasburger J, Donofrio M, Khandoker A, Kimura Y, Krishnan A. Noninvasive fetal electrocardiography in diagnosis of long QT syndrome: A Case Series. *Fetal Diagnosis and Therapy*. 2020 Jul 2;doi:10.1159/000508043.
127. Sethi N, Krishnan A, Donofrio M. Prediction of outcome in fetal autoimmune complete heart block. *Prenatal Diagnosis*. 2020; 1-8.

128. Sgambat K, Clauss S, Moudgil A. Circulating de novo donor specific antibodies and carotid intima-media thickness in pediatric kidney transplant recipients, a pilot study. *Frontiers in Pediatrics*. 2020;8:17. Published 2020 Jan 31. doi:10.3389/fped.2020.00017
129. Shah AA, Matisoff A, Deutsch N, Sandler A, Kane T, Petrosyan M. A Team-Based Approach for Children With Congenital Cardiac Disease Undergoing Antireflux Procedure With Gastrostomy. *Am Surg*. 2020 Oct 7:3134820951472. doi: 10.1177/0003134820951472. Epub ahead of print. PMID: 33026240.
130. Sharma VJ, Iyengar AJ, Zannino D, Gentles T, Justo R, Celermajer DS, Bullock A, Winlaw D, Wheaton G, Burchill L, Cordina R, d'Udekem Y. Protein-losing enteropathy and plastic bronchitis after the Fontan procedure. *Journal of Thoracic and Cardiovascular Surgery*. 2020. DOI: 10.1016/j.jtcvs.2020.07.107.
131. Sinha L, Klein K, Ramakrishnan K, Jonas R. Modified Damus-Kaye-Stansel Connection for systemic outflow track obstruction after fontan operation. *World Journal for Pediatric & Congenital Heart Surgery*. 2020 Mar;11(2):220-221. DOI: 10.1177/2150135119888142.
132. Slitine NEI, Bennaoui F, Sable CA, Martin GR, Hom LA, Fadel A, Moussaoui S, Inajjarne N, Boumzebra D, Mouaffak Y, Younous S, Boukhanni L, Maoulainine FMR. Pulse oximetry and congenital heart disease screening: Results of the first pilot study in Morocco. *International Journal of Neonatal Screening*. 2020,6,53;doi:10.3390/ijns6030053.
133. Sochet AA, Wilson EA, Das JR, Berger JT, Ray PE. Plasma and Urinary FGF-2 and VEGF-A Levels Identify Children at Risk for Severe Bleeding after Pediatric Cardiopulmonary Bypass: A Pilot Study. *Med Res Arch*. 2020;8(6):2134. doi:10.18103/mra.v8i6.2134
134. Song Z, Delaney M, Shah RK, Campos JM, Wessel DL, DeBiasi RL. Comparison of clinical features of COVID-19 vs seasonal influenza A and B in US children. *JAMA Network* 2020;3(9):w2020495. Doi:10.1001/jamanetworkopen.2020.20495.
135. Subhrajit L, Wernovsky G, Salyakina D, Gruber J, Jayakar P, Burke R, Welsch E. Genetic abnormalities/syndromes significantly impact perioperative outcomes of conotruncal heart defects. *Annals of Pediatric Cardiology*. 2020 Jan-Mar;13(1):38-45. DOI: 10.4103/apc.APC_51_19|.4103/apc.APC_51_19.

136. Sun LR, Harrar D, Drocton G, Castillo-Pinto C, Felling R, Carpenter JL, Wernovsky G, McDougall CG, Gailloud P, Pearl MS. Mechanical thrombectomy for acute ischemic stroke. *Stroke*. 2020;51:3174–3181. DOI: 10.1161/STROKEAHA.120.029698
137. Swift LM, Burke M, Guerrelli D, Reilly M, Ramadan M, McCullough D, Prudencio T, Mulvany C, Chaluvadi A, Jaimes R, Posnack NG. Age-dependent changes in electrophysiology and calcium handling: implications for pediatric cardiac research. *Am J Physiol Heart Circ Physiol*. 2019 Dec 30;318:H354-H365.
138. Tadphale SD, Ramakrishnan K, Spentzas T, Kumar S, Allen J, Staffa SJ, Zurakowski D, Bigelow WA, Gopal SH, Boston US, Jonas RA, Knott-Craig CJ. Impact of different cardiopulmonary bypass strategies on renal injury after pediatric heart surgery. *The Annals of Thoracic Surgery*. 2020. DOI: 10.1016/j.authoracsur.2020.05.056.
139. Teitel DF, Newburger JW, Sutton N, Tani LY, Harahsheh AS, Jone PN, Mensch DJ, Cotts T, Davidson A, Dahdah N, Johnson WH, Portman MA. Development and utility of quality metrics for ambulatory pediatric cardiology in kawasaki disease. *Clinical Pediatrics*. 2020 Jan 3:9922819896098.
140. Truong D, Lopez L, Frommelt PC, Stelter J, Ni B, Cohen MS, Prakash A, Colan SD, Spurney C, Soslow J, Pearson GD, Mahgerefteh J, Sachdeva R, Pignatelli R, Trachtenberg F, Stylianou M, Altmann K, Rathge KA, Camarda J, Chowdhury S, Dragulescu A, Frommelt M, Garuba O, Soriano B, Srivastava S, Thankavel P, van der Velde ME, Minich L, For the Pediatric Heart Network Investigators. Challenges and lessons learned from the Pediatric Heart Network normal echocardiogram database study. *Cardiology in the Young*. 2020 Apr;30(4):456-461. DOI:10.1017/S1047951120000438.
141. Trusty PM, Wei ZA, Fogel MA, Maher K, Despande SR, Yoganathan AP. Computational modeling of a right-sided Fontan assist device: Effectiveness across patient anatomies and cannulations. *Journal of Biomechanics*. 2020. <https://doi.org/10.1016/j.jbiomech.2020.109917>.
142. Voleti S, Okello E, Murali M, Sarnacki R, Majwala A, Ssembatya R, Bakka O, Namisanvu H, Njeri A, Matovu A, DeStigter K, Sable C, Beaton A. The personal and clinical impact of screen-detected maternal rheumatic heart disease in Uganda: a prospective follow up study. *BMC Pregnancy and Childbirth*. 2020;20:611. Doi:10.1186/s12884-020-03189-z.

143. Voleti S, Olivieri L, Hamann K, Gordish-Dressman H, Spurney C. Troponin I levels correlate with cardiac MR LGE and Native T1 values in Duchenne muscular dystrophy cardiomyopathy and identify early. *Pediatric Cardiology*. 2020. <https://doi.org/10.1007/s00246-020-02372-5>.
144. Wang S, Freud LR, Detterich J, Moon-Grady AJ, Donofrio MT, Jaeggi ET, Szwast AL, Morris SA, Kavanaugh-Mchugh A, Howley LW, Van der Velde ME, Cueno BF, Phoon CK, Tworetzky W, Pruetz JD. Extracardiac Doppler indices predict perinatal mortality in fetuses with Ebstein anomaly and tricuspid valve dysplasia. *Prenatal Diagnosis*. 2020 Nov 26. Doi: 10.1002.pd.5873.
145. Ware J, Butcher JL, Latal B, Sadhwani A, Rollins CK, Soto CLB, Butler SC, Eiler-Sims PB, Shade CVU, Wenovsky G. Neurodevelopmental evaluation strategies for children with congenital heart disease aged birth through 5 years: recommendations from the cardiac neurodevelopmental outcome. *Cardiology in the Young*. 2020;1-14. doi:10.1017/S1047951120003534
146. Willis AJ, Hoerst A, Hart SA, Holbein D, Lowery K, Harahsheh AS, Kipps AK, Madsen N, Patel SS, Tanel RE. The added value of the advanced practice provider in pediatric acute care cardiology. *Cardiology in the Young*. 2020;1-4. doi:10.1017/S104795112003789
147. Wittlieb-Weber CA, Knecht KR, Villa CR, Cunningham C, Conway J, Bock MJ, Gambetta KE, Lal AK, Schumacher KR, Law SP, Deshpande SR, West SC, Friedland-Little JM, Lytrivi ID, McCulloch MA, Butts RJ, Weber DR, Johnson JN. Risk factors for cardiac and non-cardiac causes of death in males with Duchenne Muscular Dystrophy. *Pediatric Cardiology*. 2020 Feb 3. DOI: 10.1007/s00246-020-02309-y.
148. Workman JK, Bailly DK, Reeder RW, Dalton HJ, Berg RA, Shanley TP, Newth CJL, Pollack MM, Wessel D, Carcillo J, Harrison R, Dean JM, Meert KL, The Eunice Kennedy Shriver National Institute of Child Health, and Human Development (NICHD) Collaborative Pediatric Critical Care Research Network (CPCCRN). Risk factors for mortality in refractory pediatric septic shock supported with extracorporeal life support. *American Society of Artificial Internal Organs Journal*. 2020;1. DOI:10.1097/MAT.0000000000001147.
149. Writing Group, Sachdeva R, Valente AM, Armstrong AK, Cook SC, Han BK, Lopez L, Lui GK, Pickard SS, Powell AK, Rating Panel, Bhave NM, Sachdeva R, Valente AM, Pickard SS, Baffa JM, Banka P, Cohen SB, Glickstein JS, Kanter JP, Kanter RJ, Kim YY, Kipps AK, Latson LA, Lin JP, Parra DA, Rodriguez FH, Saarel EV, Srivastava S, Stephenson EA, Stout KK, Zaidi AN.

ACC/AHA/ASE/HRS/ISACHD/SCAI/SCCT/SCMR/SOPE 2020 Appropriate Use Criteria for Multimodality Imaging During the Follow-Up Care of Patients With Congenital Heart Disease. *Journal of the American College of Cardiology*. 2020 Jan.

150. Wu Y, Kapse K, Jacobs M, Niforatos-Andescavage N, Donofrio MT, Krishnan A, Vezina G, Wessel D, du Plessis A, Limperopoulos C. Association of Maternal Psychological Distress With In Utero Brain Development in Fetuses With Congenital Heart Disease. *JAMA Pediatrics*. 2020 Jan 13:e195316. DOI: 10.1001/jamapediatrics.2019.5316.
151. Yabrodi M, Ciccotello C, Bhatia AK, Davis J, Maher KO, Deshpande SR. Measures of anticoagulation and coagulopathy in pediatric cardiac extracorporeal membrane oxygenation patients. *The International Journal of Artificial Organs*. 2020;391398820985525. doi:10.1177/0391398820985525
152. Yerebakan C. Commentary: Continue to imitate the nature: We are getting closer. *The Journal of Thoracic and Cardiovascular Surgery*. 2020 Jan 22. pii:S0022-523(20)30194-X. DOI: 10.1016/j.jtcvs.2019.12.105.
153. Yeung E, Inoue T, Matsushita H, Opfermann J, Mass P, Aslan S, Johnson J, Nelson K, Kim B, Olivieri L, Krieger A, Hibino N. In vivo implantation of 3-dimensional printed customized branched tissue engineered vascular graft in a porcine model. *The Journal of Thoracic and Cardiovascular Surgery*. 2019 Oct 9;pii: S0022-5223(19)32170-1.
154. You W, Andescavage NN, Kapse K, Donofrio MT, Jacobs M, Limperopoulos C. Hemodynamic response of the placenta and brain to maternal hyperoxia in fetuses with congenital heart disease by using blood oxygen-level dependent MRI. *Radiology*. 2020 Jan;294(1):141-148. doi:10.1148/radiol.2019190751.
155. Zhang X, Kershaw KN, Minniti CP, Campbell A, Rana SR, Darbari DS, Luchtman-Jones L, Sable C, Dham N, Ensing G, Arteta M, Taylor VI JG, Hsu LL, Nekhai S, Gordeuk VR. Influence of single parenthood on cardiopulmonary function in pediatric patients with sickle cell anemia. *Blood Advances*. 2020;4(14):doi:10.1182/bloodadvances.2020002077.
156. Zimmerman M & Sable C. Congenital heart disease in low-and-middle-income countries: Focus on sub-Saharan Africa. *American Journal of Medical Genetics*. 2020;1-11.

157. Zurakowski D, & Jonas RA. The many factors leading to resurgence of the Blalock shunt for tetralogy. *The Journal of Thoracic and Cardiovascular Surgery*. 2020 Jun 9;S0022-5223(20)31285-X.