

**Table S1** The top 100 cited articles

Rank	Article	Citations	Citation Rate
1	Hirsch R, Dent C, Pfriend H, et al. NGAL is an early predictive biomarker of contrast-induced nephropathy in children. <i>Pediatr Nephrol.</i> 2007;22(12):2089-2095.	298	21.29
2	Ait-Ali L, Andreassi MG, Foffa I, Spadoni I, Vano E, Picano E. Cumulative patient effective dose and acute radiation-induced chromosomal DNA damage in children with congenital heart disease. <i>Heart.</i> 2010;96(4):269-274.	126	11.45
3	Beels L, Bacher K, De Wolf D, Werbrouck J, Thierens H. gamma-H2AX Foci as a Biomarker for Patient X-Ray Exposure in Pediatric Cardiac Catheterization Are We Underestimating Radiation Risks? <i>Circulation.</i> 2009;120(19):1903-1909.	122	10.17
4	Hobbs CA, Cleves JA, Melnyk S, Zhao WZ, James SJ. Congenital heart defects and abnormal maternal biomarkers of methionine and homocysteine metabolism. <i>American Journal of Clinical Nutrition.</i> 2005;81(1):147-153.	108	6.75
5	Smadja DM, Gaussem P, Mauge L, et al. Circulating Endothelial Cells A New Candidate Biomarker of Irreversible Pulmonary Hypertension Secondary to Congenital Heart Disease. <i>Circulation.</i> 2009;119(3):374-381.	96	8
6	Andreassi MG, Ait-Ali L, Botto N, Manfredi S, Mottola G, Picano E. Cardiac catheterization and long-term chromosomal damage in children with congenital heart disease. <i>Eur Heart J.</i> 2006;27(22):2703-2708.	95	6.33
7	Flynn PA, Da Graca RL, Auld PAM, Nesin M, Kleinman CS. The use of a bedside assay for plasma B-type natriuretic peptide as a biomarker in the management of patent ductus arteriosus in premature neonates. <i>Journal of Pediatrics.</i> 2005;147(1):38-42.	77	4.81
8	Cholette JM, Henrichs KF, Alfieri GM, et al. Washing red blood cells and platelets transfused in cardiac surgery reduces postoperative inflammation and number of transfusions: Results of a prospective, randomized, controlled clinical trial. <i>Pediatr Crit Care Med.</i> 2012;13(3):290-299.	69	7.67
9	Giannakoulas G, Dimopoulos K, Bolger AP, et al. Usefulness of Natriuretic Peptide Levels to Predict Mortality in Adults With Congenital Heart Disease. <i>American Journal of Cardiology.</i> 2010;105(6):869-873.	69	6.27
10	Aydin SI, Seiden HS, Blafox AD, et al. Acute Kidney Injury After Surgery for Congenital Heart Disease. <i>Annals of Thoracic Surgery.</i> 2012;94(5):1589-1595.	68	7.56
11	Mayr M, Zhang J, Greene AS, Gutterman D, Perloff J, Ping PP. Proteomics-based development of biomarkers in cardiovascular disease - Mechanistic, clinical, and therapeutic insights. <i>Molecular &amp; Cellular Proteomics.</i> 2006;5(10):1853-1864.	62	4.13
12	Meersch M, Schmidt C, Van Aken H, et al. Validation of Cell-Cycle Arrest Biomarkers for Acute Kidney Injury after Pediatric Cardiac Surgery. <i>PLoS One.</i> 2014;9(10):6.	57	8.14
13	Ricci Z, Luciano R, Favia I, et al. High-dose fenoldopam reduces postoperative neutrophil gelatinase-associated lipocalin and cystatin C levels in pediatric	57	5.7

	cardiac surgery. <i>Critical Care</i> . 2011;15(3):9.		
14	Albers S, Mir TS, Haddad M, Laer S. N-Terminal pro-brain natriuretic peptide: normal ranges in the pediatric population including method comparison and interlaboratory variability. <i>Clinical Chemistry and Laboratory Medicine</i> . 2006;44(1):80-85.	53	3.53
15	Cantinotti M, Law Y, Vittorini S, et al. The potential and limitations of plasma BNP measurement in the diagnosis, prognosis, and management of children with heart failure due to congenital cardiac disease: an update. <i>Heart Failure Reviews</i> . 2014;19(6):727-742.	48	6.86
16	Zhu SS, Cao L, Zhu JG, et al. Identification of maternal serum microRNAs as novel non-invasive biomarkers for prenatal detection of fetal congenital heart defects. <i>Clin Chim Acta</i> . 2013;424:66-72.	46	5.75
16	Zheng JY, Xiao YY, Yao Y, et al. Comparison of Urinary Biomarkers for Early Detection of Acute Kidney Injury After Cardiopulmonary Bypass Surgery in Infants and Young Children. <i>Pediatr Cardiol</i> . 2013;34(4):880-886.	46	5.75
18	Law YM, Ettetdgui J, Beerman L, Maisel A, Tofovic S. Comparison of plasma B-type natriuretic peptide levels in single ventricle patients with systemic ventricle heart failure versus isolated cavopulmonary failure. <i>American Journal of Cardiology</i> . 2006;98(4):520-524.	45	3
19	Pedersen KR, Ravn HB, Povlsen JV, Schmidt MR, Erlandsen EJ, Hjortdal VE. Failure of remote ischemic preconditioning to reduce the risk of postoperative acute kidney injury in children undergoing operation for complex congenital heart disease: A randomized single-center study. <i>J Thorac Cardiovasc Surg</i> . 2012;143(3):576-583.	44	4.89
20	Taggart DP, Hadjinikolas L, Wong K, et al. Vulnerability of paediatric myocardium to cardiac surgery. <i>Heart</i> . 1996;76(3):214-217.	44	1.76
21	Ruf B, Bonelli V, Balling G, et al. Intraoperative renal near-infrared spectroscopy indicates developing acute kidney injury in infants undergoing cardiac surgery with cardiopulmonary bypass: a case-control study. <i>Critical Care</i> . 2015;19:11.	43	7.17
22	Sethi SK, Goyal D, Yadav DK, et al. Predictors of acute kidney injury post-cardiopulmonary bypass in children. <i>Clin Exp Nephrol</i> . 2011;15(4):529-534.	39	3.9
23	El-Khuffash A, Barry D, Walsh K, Davis PG, Molloy EJ. Biochemical markers may identify preterm infants with a patent ductus arteriosus at high risk of death or severe intraventricular haemorrhage. <i>Arch Dis Child-Fetal Neonatal Ed</i> . 2008;93(6):1407-1412.	39	3
24	Baggen VJM, van den Bosch AE, Eindhoven JA, et al. Prognostic Value of N-Terminal Pro-B-Type Natriuretic Peptide, Troponin-T, and Growth-Differentiation Factor 15 in Adult Congenital Heart Disease. <i>Circulation</i> . 2017;135(3):264-+.	38	9.5
25	Cooper DS, Claes D, Goldstein SL, et al. Follow-Up Renal Assessment of Injury Long-Term After Acute Kidney Injury (FRAIL-AKI). <i>Clin J Am Soc Nephrol</i> . 2016;11(1):21-29.	38	7.6

26	Sugimoto M, Manabe H, Nakau K, et al. The Role of N-Terminal Pro-B-Type Natriuretic Peptide in the Diagnosis of Congestive Heart Failure in Children - Correlation With the Heart Failure Score and Comparison With B-Type Natriuretic Peptiden. <i>Circ J</i> . 2010;74(5):998-1005.	38	3.45
27	Hsu JH, Keller RL, Chikovani O, et al. B-type natriuretic peptide levels predict outcome after neonatal cardiac surgery. <i>J Thorac Cardiovasc Surg</i> . 2007;134(4):939-945.	38	2.71
28	Norozi K, Buchhorn R, Kaiser C, et al. Plasma N-terminal pro-brain natriuretic peptide as a marker of right ventricular dysfunction in patients with tetralogy of Fallot after surgical repair. <i>Chest</i> . 2005;128(4):2563-2570.	38	2.38
28	Hobbs CA, Cleves MA, Zhao WZ, Melnyk S, James SJ. Congenital heart defects and maternal biomarkers of oxidative stress. <i>American Journal of Clinical Nutrition</i> . 2005;82(3):598-604.	38	2.38
30	Lowenthal A, Camacho BV, Lowenthal S, et al. Usefulness of B-Type Natriuretic Peptide and N-Terminal Pro-B-Type Natriuretic Peptide as Biomarkers for Heart Failure in Young Children With Single Ventricle Congenital Heart Disease. <i>American Journal of Cardiology</i> . 2012;109(6):866-872.	34	3.78
31	Nguyen MT, Dent CL, Ross GF, et al. Urinary aprotinin as a predictor of acute kidney injury after cardiac surgery in children receiving aprotinin therapy. <i>Pediatr Nephrol</i> . 2008;23(8):1317-1326.	34	2.62
32	Hazle MA, Gajarski RJ, Aiyagari R, et al. Urinary biomarkers and renal near-infrared spectroscopy predict intensive care unit outcomes after cardiac surgery in infants younger than 6 months of age. <i>J Thorac Cardiovasc Surg</i> . 2013;146(4):861-+.	32	4
33	Carmona F, Manso PH, Vicente WVA, Castro M, Carlotti A. Risk stratification in neonates and infants submitted to cardiac surgery with cardiopulmonary bypass: A multimarker approach combining inflammatory mediators, N-terminal pro-B-type natriuretic peptide and troponin I. <i>Cytokine</i> . 2008;42(3):317-324.	31	2.31
34	Greenberg JH, Whitlock R, Zhang WR, et al. Interleukin-6 and interleukin-10 as acute kidney injury biomarkers in pediatric cardiac surgery. <i>Pediatr Nephrol</i> . 2015;30(9):1519-1527.	30	5.17
35	Tutarel O, Dangwal S, Bretthauer J, et al. Circulating miR-423_5p fails as a biomarker for systemic ventricular function in adults after atrial repair for transposition of the great arteries. <i>Int J Cardiol</i> . 2013;167(1):63-66.	30	3.75
36	Obermann-Borst SA, van Driel L, Helbing WA, et al. Congenital heart defects and biomarkers of methylation in children: a case-control study. <i>Eur J Clin Invest</i> . 2011;41(2):143-150.	30	3
37	Giannakoulas G, Mouratoglou SA, Gatzoulis MA, Karvounis H. Blood biomarkers and their potential role in pulmonary arterial hypertension associated with congenital heart disease. A systematic review. <i>Int J Cardiol</i> . 2014;174(3):618-623.	29	4.14
38	Sugimoto M, Ota K, Kajihama A, Nakau K, Manabe H, Kajino H. Volume Overload and Pressure Overload due to Left-to-Right Shunt-Induced	29	2.9

	Myocardial Injury - Evaluation Using a Highly Sensitive Cardiac Troponin-I Assay in Children With Congenital Heart Disease. <i>Circ J.</i> 2011;75(9):2213-2219.		
39	Giuliano JS, Lahni PM, Bigham MT, et al. Plasma angiotensin-2 levels increase in children following cardiopulmonary bypass. <i>Intensive Care Med.</i> 2008;34(10):1851-1857.	29	2.23
40	Nath AK, Krauthammer M, Li PY, et al. Proteomic-Based Detection of a Protein Cluster Dysregulated during Cardiovascular Development Identifies Biomarkers of Congenital Heart Defects. <i>PLoS One.</i> 2009;4(1):14.	28	2.33
40	Smedts HPM, de Vries JH, Rakhshandehroo M, et al. High maternal vitamin E intake by diet or supplements is associated with congenital heart defects in the offspring. <i>BJOG.</i> 2009;116(3):416-423.	28	2.33
42	Dos L, Pujadas S, Estruch M, et al. Eplerenone in systemic right ventricle: Double blind randomized clinical trial. The evedes study. <i>Int J Cardiol.</i> 2013;168(6):5167-5173.	27	3.38
43	Tian J, An XJ, Niu L. Role of microRNAs in cardiac development and disease. <i>Exp Ther Med.</i> 2017;13(1):3-8.	26	6.5
44	Caputo M, Mokhtari A, Miceli A, et al. Controlled reoxygenation during cardiopulmonary bypass decreases markers of organ damage, inflammation, and oxidative stress in single-ventricle patients undergoing pediatric heart surgery. <i>J Thorac Cardiovasc Surg.</i> 2014;148(3):792-800.	26	3.71
45	Seitz S, Rauh M, Gloeckler M, Cesnjevar R, Dittrich S, Koch AME. Cystatin C and neutrophil gelatinase-associated lipocalin: biomarkers for acute kidney injury after congenital heart surgery. <i>Swiss Med Wkly.</i> 2013;143:10.	25	3.13
46	Sanli C, Oguz D, Olgunturk R, et al. Elevated Homocysteine and Asymmetric Dimethyl Arginine Levels in Pulmonary Hypertension Associated With Congenital Heart Disease. <i>Pediatr Cardiol.</i> 2012;33(8):1323-1331.	25	2.78
46	Evans N. Diagnosis of the Preterm Patent Ductus Arteriosus: Clinical Signs, Biomarkers, or Ultrasound? <i>Semin Perinatol.</i> 2012;36(2):114-122.	25	2.78
48	Garg R, Raman SV, Hoffman TM, Hayes J, Daniels CJ. Serum markers of systemic right ventricular function and exercise performance. <i>Pediatr Cardiol.</i> 2008;29(3):641-648.	25	1.92
49	Martinez-Micaelo N, Beltran-Debon R, Baiges I, Faiges M, Alegret JM. Specific circulating microRNA signature of bicuspid aortic valve disease. <i>J Transl Med.</i> 2017;15:12.	24	6
50	Gu M, Zheng AB, Tu WJ, et al. Circulating lncRNAs as Novel, Non-Invasive Biomarkers for Prenatal Detection of Fetal Congenital Heart Defects. <i>Cell Physiol Biochem.</i> 2016;38(4):1459-1471.	24	4.8
51	Liu Z, Yu Y, Li XH, et al. Maternal lead exposure and risk of congenital heart defects occurrence in offspring. <i>Reprod Toxicol.</i> 2015;51:1-6.	24	4
52	Bahado-Singh RO, Ertl R, Mandal R, et al. Metabolomic prediction of fetal congenital heart defect in the first trimester. <i>Am J Obstet Gynecol.</i> 2014;211(3):14.	24	3.43
53	Marino BS. New concepts in predicting, evaluating, and managing neurodevelopmental outcomes in children with congenital heart disease.	24	3

*Current Opinion in Pediatrics*. 2013;25(5):574-584.

54	Chow PC, Cheung EWY, Chong CY, et al. Brain natriuretic peptide as a biomarker of systemic right ventricular function in patients with transposition of great arteries after atrial switch operation. <i>Int J Cardiol</i> . 2008;127(2):192-197.	24	1.85
55	Schuuring MJ, van Riel A, Vis JC, et al. High-sensitivity Troponin T Is Associated with Poor Outcome in Adults with Pulmonary Arterial Hypertension due to Congenital Heart Disease. <i>Congenit Heart Dis</i> . 2013;8(6):520-526.	23	2.88
56	han s, A., Feraco AM, Harmon C, Tacy T, Fineman JR, Bernstein HS. Usefulness of Various Plasma Biomarkers for Diagnosis of Heart Failure in Children With Single Ventricle Physiology. <i>American Journal of Cardiology</i> . 2009;104(9):1280-1284.	23	1.92
57	Davis GK, Barnforth F, Sarpal A, Dicke F, Rabi Y, Lyon ME. CVD-B-type natriuretic peptide in pediatrics. <i>Clin Biochem</i> . 2006;39(6):600-605.	23	1.53
58	Bokesch PM, Appachi E, Cavaglia M, Mossad E, Mee RBB. A glial-derived protein, S100B, in neonates and infants with congenital heart disease: Evidence for preexisting neurologic injury. <i>Anesthesia and Analgesia</i> . 2002;95(4):889-892.	23	1.21
59	Bruse JL, McLeod K, Biglino G, et al. A statistical shape modelling framework to extract 3D shape biomarkers from medical imaging data: assessing arch morphology of repaired coarctation of the aorta. <i>BMC Med Imag</i> . 2016;16:19.	22	4.4
59	Garcia RU, Walters HL, Delius RE, Aggarwal S. Vasoactive Inotropic Score (VIS) as Biomarker of Short-Term Outcomes in Adolescents after Cardiothoracic Surgery. <i>Pediatr Cardiol</i> . 2016;37(2):271-277.	22	4.4
59	Jin X, Tian XX, Liu Z, et al. Maternal exposure to arsenic and cadmium and the risk of congenital heart defects in offspring. <i>Reprod Toxicol</i> . 2016;59:109-116.	22	4.4
59	Wang YS, Wu BT, Dong LL, Wang CS, Wang XL, Shu XH. Circulating matrix metalloproteinase patterns in association with aortic dilatation in bicuspid aortic valve patients with isolated severe aortic stenosis. <i>Heart Vessels</i> . 2016;31(2):189-197.	22	4.4
63	Grewal N, Gittenberger-de Groot AC, DeRuiter MC, et al. Bicuspid aortic valve: phosphorylation of c-Kit and downstream targets are prognostic for future aortopathy. <i>Eur J Cardio-Thorac Surg</i> . 2014;46(5):831-839.	22	3.14
64	Tosse V, Pillekamp F, Verde P, et al. Urinary NT-proBNP, NGAL, and H-FABP May Predict Hemodynamic Relevance of Patent Ductus Arteriosus in Very Low Birth Weight Infants. <i>Neonatology</i> . 2012;101(4):260-266.	22	2.44
64	Tutarel O, Denecke A, Bode-Boger SM, et al. Asymmetrical Dimethylarginine - More Sensitive than NT-proBNP to Diagnose Heart Failure in Adults with Congenital Heart Disease. <i>PLoS One</i> . 2012;7(3):6.	22	2.44
66	Yu ZB, Han SP, Hu P, et al. Potential role of maternal serum microRNAs as a biomarker for fetal congenital heart defects. <i>Med Hypotheses</i> . 2011;76(3):424-426.	22	2.2
67	Das BB. Plasma B-Type Natriuretic Peptides in Children With Cardiovascular Diseases. <i>Pediatr Cardiol</i> . 2010;31(8):1135-1145.	22	2
68	Opotowsky AR, Baraona FR, Mc Causland FR, et al. Estimated glomerular filtration rate and urine biomarkers in patients with single-ventricle Fontan	21	5.25

	circulation. <i>Heart</i> . 2017;103(6):434-442.		
69	Jones BO, Pepe S, Sheeran FL, et al. Remote ischemic preconditioning in cyanosed neonates undergoing cardiopulmonary bypass: A randomized controlled trial. <i>J Thorac Cardiovasc Surg</i> . 2013;146(6):1334-1340.	21	2.63
69	Sciacca S, Pilato M, Mazzoccoli G, Paziienza V, Vinciguerra M. Anti-correlation between longevity gene SirT1 and Notch signaling in ascending aorta biopsies from patients with bicuspid aortic valve disease. <i>Heart Vessels</i> . 2013;28(2):268-275.	21	2.63
71	Lardner D, Davidson A, McKenzie I, Cochrane A. Delayed rises in serum S100B levels and adverse neurological outcome in infants and children undergoing cardiopulmonary bypass. <i>Pediatr Anesth</i> . 2004;14(6):495-500.	21	1.24
72	Lai CTM, Ng EKO, Chow PC, Kwong A, Cheung YF. Circulating microRNA expression profile and systemic right ventricular function in adults after atrial switch operation for complete transposition of the great arteries. <i>BMC Cardiovasc Disord</i> . 2013;13:9.	20	2.5
73	Cantinotti M, Storti S, Lorenzoni V, et al. The combined use of neutrophil gelatinase-associated lipocalin and brain natriuretic peptide improves risk stratification in pediatric cardiac surgery. <i>Clinical Chemistry and Laboratory Medicine</i> . 2012;50(11):2009-2017.	20	2.22
74	Chowdhury S, Cleves MA, MacLeod SL, James SJ, Zhao WZ, Hobbs CA. Maternal DNA Hypomethylation and Congenital Heart Defects. <i>Birth Defects Research Part a-Clinical and Molecular Teratology</i> . 2011;91(2):69-76.	20	2
75	Rasmussen LS, Sztuk F, Christiansen M, Elliott MJ. Normothermic versus hypothermic cardiopulmonary bypass during repair of congenital heart disease. <i>J Cardiothorac Vasc Anesth</i> . 2001;15(5):563-566.	20	1
76	Correia GDS, Ng KW, Wijeyesekera A, et al. Metabolic Profiling of Children Undergoing Surgery for Congenital Heart Disease. <i>Crit Care Med</i> . 2015;43(7):1467-1476.	19	3.17
77	Smadja DM, Gaussem P, Mauge L, et al. Comparison of Endothelial Biomarkers According to Reversibility of Pulmonary Hypertension Secondary to Congenital Heart Disease. <i>Pediatr Cardiol</i> . 2010;31(5):657-662.	19	1.73
78	Murtuza B, Hermuzi A, Crossland DS, et al. Impact of mode of failure and end-organ dysfunction on the survival of adult Fontan patients undergoing cardiac transplantation. <i>Eur J Cardio-Thorac Surg</i> . 2017;51(1):135-141.	18	4.5
79	Typpo KV, Larmonier CB, Deschenes L, Redford D, Kiela PR, Ghishan FK. Clinical Characteristics Associated With Postoperative Intestinal Epithelial Barrier Dysfunction in Children With Congenital Heart Disease. <i>Pediatr Crit Care Med</i> . 2015;16(1):37-44.	18	3
79	Bucholz EM, Whitlock RP, Zappitelli M, et al. Cardiac Biomarkers and Acute Kidney Injury After Cardiac Surgery. <i>Pediatrics</i> . 2015;135(4):E945-E956.	18	3
81	Lukasz A, Beutel G, Kumpers P, et al. Angiotensin-2 in Adults with Congenital Heart Disease and Heart Failure. <i>PLoS One</i> . 2013;8(6):7.	18	2.25

82	Buelow MW, Dall A, Regner K, et al. Urinary Interleukin-18 and Urinary Neutrophil Gelatinase-associated Lipocalin Predict Acute Kidney Injury Following Pulmonary Valve Replacement Prior to Serum Creatinine. <i>Congenit Heart Dis.</i> 2012;7(5):441-447.	18	2
83	Hobbs CA, MacLeod SL, James SJ, Cleves MA. Congenital Heart Defects and Maternal Genetic, Metabolic, and Lifestyle Factors. <i>Birth Defects Research Part a-Clinical and Molecular Teratology.</i> 2011;91(4):195-203.	18	1.8
83	Cantinotti M, Passino C, Storti S, Ripoli A, Zyw L, Clerico A. Clinical relevance of time course of BNP levels in neonates with congenital heart diseases. <i>Clin Chim Acta.</i> 2011;412(23-24):2300-2304.	18	1.8
85	Miyamoto K, Inai K, Takeuchi D, Shinohara T, Nakanishi T. Relationships Among Red Cell Distribution Width, Anemia,	17	2.83
85	Cantinotti M, Walters HL, Crocetti M, Marotta M, Murzi B, Clerico A. BNP in children with congenital cardiac disease: is there now sufficient evidence for its routine use? <i>Cardiol Young.</i> 2015;25(3):424-437.	17	2.83
87	Tzanetos DRT, Yu C, Hernanz-Schulman M, Barr FE, Brown NJ. Prospective study of the incidence and predictors of thrombus in children undergoing palliative surgery for single ventricle physiology. <i>Intensive Care Med.</i> 2012;38(1):105-112.	17	1.89
87	Pirincioglu AG, Alyan O, Kizil G, Kangin M, Beyazit N. Evaluation of oxidative stress in children with congenital heart defects. <i>Pediatr Int.</i> 2012;54(1):94-98.	17	1.89
89	Chen WD, Li SJ. Circulating microRNA as a Novel Biomarker for Pulmonary Arterial Hypertension Due to Congenital Heart Disease. <i>Pediatr Cardiol.</i> 2017;38(1):86-94.	16	4
90	Xuan C, Gao G, Yang Q, et al. Proteomic Study Reveals Plasma Protein Changes in Congenital Heart Diseases. <i>Annals of Thoracic Surgery.</i> 2014;97(4):1414-1419.	16	2.29
91	Letzner J, Berger F, Schwabe S, et al. Plasma C-Terminal Pro-Endothelin-1 and the Natriuretic Pro-Peptides NT-proBNP and MR-proANP in Very Preterm Infants with Patent Ductus Arteriosus. <i>Neonatology.</i> 2012;101(2):116-124.	16	1.78
92	Cantinotti M, Storti S, Ripoli A, et al. Diagnostic accuracy of B-type natriuretic hormone for congenital heart disease in the first month of life. <i>Clinical Chemistry and Laboratory Medicine.</i> 2010;48(9):1333-1338.	16	1.45
93	Forte A, Bancone C, Cobellis G, et al. A Possible Early Biomarker for Bicuspid Aortopathy Circulating Transforming Growth Factor beta-1 to Soluble Endoglin Ratio. <i>Circulation Research</i> 15862. 2017;120(11):1800-+.	15	3.75
94	Sanchez-de-Toledo J, Chrysostomou C, Munoz R, et al. Cerebral Regional Oxygen Saturation and Serum Neuromarkers for the Prediction of Adverse Neurologic Outcome in Pediatric Cardiac Surgery. <i>Neurocrit Care.</i> 2014;21(1):133-139.	15	2.14
94	Wang F, Yang XY, Zhao JY, et al. MiR-10a and MiR-10b Target the 3'-Untranslated Region of TBX5 to Repress Its Expression. <i>Pediatr Cardiol.</i> 2014;35(6):1072-1079.	15	2.14
96	Heck PB, Muller J, Weber R, Hager A. Value of N-terminal pro brain natriuretic	15	1.88

	peptide levels in different types of Fontan circulation. <i>Eur J Heart Fail.</i> 2013;15(6):644-649.		
96	Chen CA, Tseng WYI, Wang JK, et al. Circulating biomarkers of collagen type I metabolism mark the right ventricular fibrosis and adverse markers of clinical outcome in adults with repaired tetralogy of Fallot. <i>Int J Cardiol.</i> 2013;167(6):2963-2968.	15	1.88
96	Mine K, Ohashi A, Tsuji S, Nakashima J, Hirabayashi M, Kaneko K. B-type natriuretic peptide for assessment of haemodynamically significant patent ductus arteriosus in premature infants. <i>Acta Paediatr.</i> 2013;102(8):e347-e352.	15	1.88
99	Sasi A, Deorari A. Patent Ductus Arteriosus in Preterm Infants. <i>Indian Pediatrics.</i> 2011;48(4):301-308.	15	1.5
100	Hovels-Gurich HH, Kunz D, Seghaye MC, Miskova M, Messmer BJ, von Bernuth G. Results of exercise testing at a mean age of 10 years after neonatal arterial switch operation. <i>Acta Paediatr.</i> 2003;92(2):190-196.	15	0.83

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**Note:** Citation rate was determined by dividing the number of citations by the number of years since publication.