**KD background papers**

Burns JC, Shike H, Gordon JB, Malhotra A, Schoenweiter M, Kawasaki T. Sequelae of Kawasaki disease in adolescents and young adults. *J Am Coll Cardiol*. 1996;28(1):253-257. Doi:10.1016/0735-1097(96)00099-X

Burns JC. Kawasaki Disease update. *Indian J Pediatr*. 2009;76(1):71-76. Doi:http://dx.doi.org/10.1007/s12098-009-003103.

Fujiwara H, Hamashima Y. Pathology of the Heart in Kawasaki Disease. 1978;61(1).

Kato H, Sugimura T, Akagi T, Sato N, Hashino K, Maeno Y, Kazue T, Eto G, Yamakawa R. Long-term consequences of Kawasaki disease A 10- to 21-year follow up study of 594 patients. *Circulation*. 1996;94:1379-1385.

McCrindle BW, Rowley AH, Newburger JW, Burns JC, Bolger AF, Gewitz M, Baker AL, Jackson MA, Takahashi M, Shah PB, Kobayashki T, Wu MH, Saji TT, Pahl E, American Heart Association Rheumatic Fever Ed, and Kawasaki Disease Committee of the Council on Cardiovascular Disease in the Young, Nursing CoCaS, Anesthesia CoCSa, Prevention aCoEa. Diagnosis, treatment, and long-term management of Kawasaki disease: A scientific statement for health professionals from the American Heart Association. *Circulation*. 2017; 135:e927-e999.

Ohkubo T, Fukazawa R, Ikegami E, Ogawa S. Reduced shear stress and disturbed flow may lead to coronary aneurysm and thrombus formation. *Pediatr Int.* 2007;49:1-7.

Rizk SRY, El Said G, Daniels LB, et al. Acute myocardial ischemia in adults secondary to missed Kawasaki disease in childhood. *Am J Cardiol*. 2015;115(4)423-427. Doi:10.1016/j.amjcard.2014.11.024

Senzaki H. Long-term outcome of Kawasaki disease. *Circulation*. 2008;118(25):2763-2772. Doi:10.1161/CIRCULATIONAHA.107.749515.

Tsuda E, Hirata T, Matsuo O, Abe T, Sugiyama H, Yamada O. The 30-year outcome of patients after myocardial infarction due to coronary artery lesions caused by Kawasaki disease. *Pediatr Cardiol*. 2011;32(2):176-182. doi:10.1007/s00246-010-9838-y.

**Previous work from our group:**

Esmaily Moghadam M, Hsia T-Y, Marsden AL. A non-discrete method for computation of residence time in fluid mechanics simulations. *Phys Fluids (1994)*. 2013;25(11);110802. doi:10.1063/1.4819142

Grande Gutierrez N, Matthew M, MicCrindle BW, et al. Hemodynamic variables in aneurysms are associated with thrombotic risk in children with Kawasaki disease. *International Journal of Cardiology*, 2019;281:15-21. Doi:10.1016/J.IJCARD.2019.01.092.

Grande Gutierrez N, Kahn A, Burns JC, Marsden AL. Computational blood flow simulations in Kawasaki disease patients: Insight into coronary artery aneurysm hemodynamics. *Global Cardiology Science & Practice*. 2017:29

Sengupta D, Kahn AM, Burns JC, Sankaran S, Shadden SC, Marsden AL. Image-based modeling of hemodynamics in coronary artery aneurysms caused by Kawasaki disease. *Biomech Model Mechanobiol.* 2012;11:915-932.

Sengupta D, Kahn AM, Kung E, Esmaily Moghadam M, Shirinsky O, Lyskina GA, Burns JC, Marsden AL. Thrombotic risk stratification using computational modeling in patients with coronary artery aneurysms following Kawasaki disease. *Biomech Model Mechanobiol*. 2014;13:1261-1276.

**Z-score paper**

Dallaire F, Dahdah N. New equations and a critical appraisal of coronary artery Z scores in healthy children. *J Am Soc Echocardiography*. 2011;24(1):60-74. doi:10.1016/j.echo.2010.10.004

**Software citations:**

Simvascular

Updegrove A, Wilson NM, Merkow J, Lan H, Marsden AL, Shadden SC. Simvascular: An open source pipeline for cardiovascular simulation. *Ann Biome Eng.* 2017; 45:525-541.

Tetgen

H. Si. TetGen, a Delaunay-Based Quality Tetrahedral Mesh Generator. ACM Trans. On Math. Software. 2015;41(11).

Paraview? VTK?