



## Gurpreet Singh Dhillon

Clinical Associate Professor, Pediatrics - Cardiology

### CLINICAL OFFICE (PRIMARY)

- **Pediatric Cardiology**

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### Bio

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#### BIO

Research interest in pediatric resuscitation science, with the goal of improving outcomes for children with heart disease experiencing cardiac arrest.

#### CLINICAL FOCUS

- Pediatric Cardiac Critical Care
- Pediatric Cardiology
- Pediatric Critical Care Medicine

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Cardiology
- Member, Maternal & Child Health Research Institute (MCHRI)

#### PROFESSIONAL EDUCATION

- Board Certification, American Board of Pediatrics , Pediatric Critical Care Medicine (2020)
- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2018)
- Board Certification: Pediatrics, American Board of Pediatrics (2015)
- Fellowship, Harvard Medical School Pediatric Critical Care Medicine Fellowship at Boston Children's Hospital , MA (2020)
- Fellowship: Baylor College Dept of Pediatric Cardiology (2018) TX
- Fellowship, Baylor College of Medicine Pediatric Cardiology Fellowship at Texas Children's Hospital , TX (2018)
- Residency, Baylor College of Medicine Pediatrics Residency at Texas Children's Hospital , TX (2015)
- Medical Education, Texas A&M College of Medicine , TX (2012)

## Publications

### PUBLICATIONS

- **Part 8: Pediatric Advanced Life Support: 2025 American Heart Association and American Academy of Pediatrics Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care** *CIRCULATION*  
Lasa, J. J., Dhillon, G. S., Duff, J. P., Hayes, J., Kamath-Rayne, B. D., Levy, A., Mahgoub, M., Morgan, R. W., McCormick, T., Roberts, J. S., Ross, C. E., Schexnayder, S. M., Sweberg, et al  
2025; 152 (16): S479-S537
- **IV Calcium Use and Outcome After Congenital Heart Surgery in Infants Under 6 Months Old: Three-Center Retrospective Cohort, 2020-2022.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
Dhillon, G. S., Valencia, E., Calamaro, J., Gauvreau, K., Fundora, M. P., Schroeder, A. R., Berg, M. D., Hupp, S. R., Axelrod, D. M., Thiagarajan, R. R., Kwiatkowski, D. M.  
2025
- **Extracorporeal cardiopulmonary resuscitation for pediatric in-hospital cardiac arrest in single ventricle patients: a systematic review and meta-analysis** *RESUSCITATION PLUS*  
Raymond, T. T., Guerguerian, A., Lasa, J. J., Moga, M., Dhillon, G. S., Acworth, J., Atkins, D. L., Scholefield, B. R., Paediatric Life Support Task Force Int Liaison Comm Resuscitation ILCOR  
2025; 25: 100997
- **Near-Infrared Spectroscopy in Pediatric Cardiac Arrest: A Piece of the Clinical Picture.** *Critical care medicine*  
Dhillon, G. S., Berg, M. D.  
2024; 52 (5): 856-859
- **WAVES - The Lucile Packard Children's Hospital Pediatric Physiological Waveforms Dataset.** *Scientific data*  
Miller, D. R., Dhillon, G. S., Bambos, N., Shin, A. Y., Scheinker, D.  
2023; 10 (1): 124
- **Calcium Administration During Cardiopulmonary Resuscitation for In-Hospital Cardiac Arrest in Children With Heart Disease Is Associated With Worse Survival-A Report From the American Heart Association's Get With The Guidelines-Resuscitation (GTWT-R) Registry.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
Dhillon, G. S., Kleinman, M. E., Staffa, S. J., Teele, S. A., Thiagarajan, R. R., American Heart Associations Get With The Guidelines - Resuscitation (GTWT-R) Investigators  
2022
- **Invited Commentary: An Ounce of Prevention Is Worth a Pound of Cure: Advancing the Search for Modifiable Factors Associated With Cardiac Arrest.** *World journal for pediatric & congenital heart surgery*  
Dhillon, G. S., Lasa, J. J.  
2022; 13 (4): 482-484
- **Left Subclavian Artery Isolation with Right Aortic Arch and D-Transposition of the Great Arteries.** *CASE (Philadelphia, Pa.)*  
Hansen, K., Dhillon, G., Ma, M., Maskatia, S. A., Su, L., Vasanaawala, S., Punn, R.  
1800; 5 (6): 392-398
- **An Analysis of Hospital Mortality After Cardiac Operations in Children With Down Syndrome.** *Seminars in thoracic and cardiovascular surgery*  
Dhillon, G. S., Ghanayem, N. S., Broda, C. R., Lalani, S. R., Mery, C. M., Shekerdeman, L. S., Staffa, S. J., Morris, S. A.  
2020
- **Drug-Eluting Stents Compared With Bare Metal Stents for Stenting the Ductus Arteriosus in Infants With Ductal-Dependent Pulmonary Blood Flow.** *The American journal of cardiology*  
Aggarwal, V., Dhillon, G. S., Penny, D. J., Gowda, S. T., Qureshi, A. M.  
2019; 124 (6): 952-959
- **Cardiac Arrest in the Pediatric Cardiac ICU: Is Medical Congenital Heart Disease a Predictor of Survival?** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*  
Dhillon, G. S., Lasa, J. J., Aggarwal, V., Checchia, P. A., Bavare, A. C.  
2019; 20 (3): 233-242

- **A Population-Based Analysis of Hospital Mortality After Congenital Heart Disease Surgery in Children With Down Syndrome.**  
Dhillon, G. S., Ghanayem, N. S., Broda, C. R., Lalani, S. R., Mery, C. M., Shekerdemian, L. S., Morris, S. A.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Transposition of the great arteries: When echocardiography does not match the clinical picture.** *Journal of clinical ultrasound : JCU*  
Dhillon, G. S., Fernandes, C. J., Khan, A., Heinle, J. S., Lopez, K. N.  
2018; 46 (9): 617-622
- **The impact of fetal endoscopic tracheal occlusion in isolated left-sided congenital diaphragmatic hernia on left-sided cardiac dimensions** *PRENATAL DIAGNOSIS*  
Dhillon, G. S., Maskatia, S. A., Loar, R. W., Colquitt, J. L., Mehollin-Ray, A. R., Ruano, R., Belfort, M. A., Olutoye, O. O., Kailin, J. A.  
2018; 38 (11): 812–20
- **Predictive value of oxygenation index for outcomes in left-sided congenital diaphragmatic hernia.** *Journal of pediatric surgery*  
Bruns, A. S., Lau, P. E., Dhillon, G. S., Hagan, J., Kailin, J. A., Mallory, G. B., Lohmann, P., Olutoye, O. O., Ruano, R., Fernandes, C. J.  
2018; 53 (9): 1675-1680
- **Heart in a Heart.** *JACC. Cardiovascular interventions*  
Dhillon, G. S., Qureshi, A. M.  
2017; 10 (13): 1372-1373
- **Fetal left-sided cardiac structural dimensions in left-sided congenital diaphragmatic hernia - association with severity and impact on postnatal outcomes** *PRENATAL DIAGNOSIS*  
Kailin, J. A., Dhillon, G. S., Maskatia, S. A., Cass, D. L., Shamshirsaz, A. A., Mehollin-Ray, A. R., Cassady, C. I., Ayres, N. A., Wang, Y., Belfort, M. A., Olutoye, O. O., Ruano, R.  
2017; 37 (5): 502-509
- **HIGHEST OXYGENATION INDEX IN FIRST 48 HOURS PREDICTS OUTCOME IN LEFT-SIDED CONGENITAL DIAPHRAGMATIC HERNIA**  
Bruns, A. S., Lau, P., Dhillon, G., Kailin, J. A., Mallory, G. B., Lohmann, P., Olutoye, O., Ruano, R., Fernandes, C. J.  
BMJ PUBLISHING GROUP.2017: 538