



AWARD RECIPIENTS

Matthew A. Crystal, M.D.

*Assistant Professor of Clinical Pediatrics
Columbia University College of Physicians & Surgeons*

Dr. Matthew A. Crystal attended York University as an undergraduate student and completed medical school at the University of Western Ontario. His Pediatrics residency, Pediatric Cardiology fellowship and Pediatric Interventional Catheterization fellowship were all completed at the Hospital for Sick Children – University of Toronto in Toronto, Canada. He was a Pediatric Cardiologist at Texas Children's Hospital, Baylor College of Medicine prior to moving to New York to join the Division of Pediatric Cardiology in 2012.

Dr. Crystal is a member of the Pediatric Interventional Cardiac Catheterization Team at Columbia University Medical Center. His expertise is in performing diagnostic and interventional procedures on children and adults with congenital heart defects.



He greatly appreciates the support from Colin's Kids, Inc. The Colin Molloy Research Award will help optimize outcomes for children undergoing cardiac catheterization and intervention with device implantation. Specifically, this award will be used to support the establishment and creation of a non-surgical animal model of pulmonary vein stenosis. This model will allow experimental, novel and innovative devices to be tested in the hopes of improving clinical outcomes for children with pulmonary vein stenosis. If successful, these modalities will improve outcomes for children undergoing surgical and catheterization procedures to increase pulmonary vein size, reduce the incidence of secondary pulmonary hypertension and decrease overall mortality.



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Dina J. Ferdman, M.D.

Postdoctoral Clinical Fellow

Columbia University College of Physicians & Surgeons

Dr. Dina J. Ferdman is a second year fellow in Pediatric Cardiology at Columbia University Medical Center. Her current research is on the assessment of cardiac function in the fetus from fetal echocardiograms.

Dr. Ferdman graduated magna cum laude from Barnard College, Columbia University with a degree in Biology. She completed her medical training at the University of Massachusetts Medical School. She then finished her residency training in Pediatrics at Columbia University Medical Center, followed by a year as Chief Resident.

She is grateful for the award from Colin's Kids, Inc., which will be used to support her ongoing research on validation of a measurement of fetal cardiac function. It is her hope that these studies will help illuminate detection of normal and abnormal cardiac function in various forms of congenital heart disease so that we can manage these patients from an earlier age and better predict their outcomes.



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