Elevated Pre-Transplant Pulmonary Vascular Resistance is Not Associated with Mortality in Children without Congenital Heart Disease: A Multi-Center Study

Marc E. Richmond MD, MS, Yuk M. Law MD, Bibhuti B. Das MD, Melanie D. Everitt MD, Manisha Kukreja MD, MPH, David C. Naftel PhD, Mariska S. Kemna MD, Heather T. Henderson MD, Kimberly Beddows MS, CPNP, F. Jay Fricker MD, William T. Mahle MD, on behalf of the Pediatric Heart Transplant Study Investigators

PII: S1053-2498(14)01119-X
DOI: http://dx.doi.org/10.1016/j.healun.2014.04.021
Reference: HEALUN5766

To appear in: *J Heart Lung Transplant*

Cite this article as: Marc E. Richmond MD, MS, Yuk M. Law MD, Bibhuti B. Das MD, Melanie D. Everitt MD, Manisha Kukreja MD, MPH, David C. Naftel PhD, Mariska S. Kemna MD, Heather T. Henderson MD, Kimberly Beddows MS, CPNP, F. Jay Fricker MD, William T. Mahle MD, on behalf of the Pediatric Heart Transplant Study Investigators, Elevated Pre-Transplant Pulmonary Vascular Resistance is Not Associated with Mortality in Children without Congenital Heart Disease: A Multi-Center Study, *J Heart Lung Transplant,* http://dx.doi.org/10.1016/j.healun.2014.04.021

Elevated Pre-Transplant Pulmonary Vascular Resistance is Not Associated with Mortality in Children without Congenital Heart Disease: A Multi-Center Study

Marc E Richmond, MD, MS[1], Yuk M Law, MD[6], Bibhuti B. Das, MD[2], Melanie D Everitt, MD[3], Manisha Kukreja, MD, MPH[5], David C Naftel, PhD[5], Mariska S. Kemna, MD[6], Heather T. Henderson, MD[7], Kimberly Beddows, MS, CPNP[1], F Jay Fricker, MD[4] and William T. Mahle, MD[8] on behalf of the Pediatric Heart Transplant Study Investigators

[1]Division of Pediatric Cardiology, Columbia University College of Physicians and Surgeons, New York, NY, United States, 10032; [2]Division of Cardiology, Children's Medical Center, UT Southwestern Medical Center, Dallas, TX, United States, 75235; [3]Division of Cardiology, Primary Children's Hospital, Salt Lake City, Utah, United States, 84113; [4]Division of Pediatric Cardiology, University of Florida, Gainsville, FL, United States, 32610; [5]Cardiothoracic Surgery, University of Alabama at Birmingham, Birmingham, AL, United States, 35294; [6]Seattle Children's Hospital, Seattle, WA, United States; [7]Division of Pediatric Cardiology, Duke University School of Medicine, Durham, NC, United States and [88]Children's Healthcare of Atlanta and Emory University School of Medicine, Atlanta, GA, United States.

ABSTRACT

Traditionally, an elevated pulmonary vascular resistance index (PVRI) has been a relative contraindication to pediatric heart transplantation (HT). This study examined the risk of elevated pretransplant PVRI upon early (30-day) and intermediate-term mortality in pediatric HT recipients without congenital heart disease (CHD).