

Signature Annotated Congenital References

1. Kotani Y, Van Arsdell GS et al, "Is Indexed Preoperative Superior Vena Cava Blood Flow a Risk Factor in Patients Undergoing Bidirectional Cavopulmonary Shunt?," Ann Thorac Surg. 2012. (Transonic Reference # 9735AH) *A new indicator-low SVC flow, may be a marker for BCPS failure or death, suggesting that the SVC flow vs size is more important in predicting successful BCPS.*
2. Kotani Y, Van Arsdell GS et al, "The Utility of Aortic Blood Flow Measurements in the Prediction of Pulmonary Artery Banding Outcome," Ann Thorac Surg. 2015 Apr 15. (Transonic Reference: 10278AH) *Study identifies the change in the aortic blood flow as a new, physiologically based parameter to help predict pulmonary artery banding outcome.*
3. Dean DA et al, "Validation Study of a New Transit Time Ultrasonic FlowProbe for Continuous Great Vessel Measurements," ASAIO Journal 1996; 42: M671-676. (Transonic Reference # 29V) *Aortic Flowprobes showed a highly linear correlation with RP. During laminar flow states, Aortic Flowprobes are accurate and insensitive to position on the great vessels.*
4. Mavroudis C et al, "Fenestrated Fontan with Delayed Catheter Closure, Effects of Volume Loading and Baffle Fenestration on Cardiac Index and Oxygen Delivery," Circulation 1992; 86 II: 85-92. (Transonic Reference # 261A) *Intraoperative hemodynamic measurements (n = 8) included cardiac index (by aortic flow probe)*
5. Mavroudis C et al, "Bidirectional Glenn Shunt in Association with Congenital Heart Repairs: The 1-1/2 Hour Ventricular Repair," Ann Thoracic Surg 1999; 68: 976-982. (Transonic Reference # 1305AH) *Intraoperative hemodynamic assessment was done in 2 patients in group A by selective use of inflow occlusion and flow probes.*
6. Sharp MK et al, "Aortic Input Impedance in Infants and Children," J Appl Physiol. 2000; 88(6): 2227-39. (Transonic Reference # 2590AH) *Flow and pressure measurements were performed in the ascending aortas of six pediatric patients ranging in age from 1 to 4 yr and in weight from 7.2 to 16.4 kg*
7. Pantalos GM et al, "Estimation of Timing Errors for Intraaortic Balloon Pump Use in Pediatric Patients," ASAIO Journal, 1999; 45(3): 166-171. (aortic, pediatric, A probes) (Transonic Reference # 1073AH) *aortic root flow waveforms were used to estimate timing errors with intraaortic balloon pump use in pediatric patients.*