

Effect of Right Pulmonary Artery Banding on Perioperative Hemodynamics and Left Pulmonary Artery Growth after Stage I Palliation in Infants with Hypoplastic Left Heart Syndrome

- Banding of the RPA during Stage I palliation is a relatively new modification, performed here at Vanderbilt Children's Hospital since 2007. To our knowledge, this use of RPA banding in this setting has not been described in the literature. A formal evaluation of this surgical technique is required, not only to assess its effectiveness within our institution, but also to share these results with other centers who perform staged surgical palliation for infants with HLHS and its variants.

Specific Aim 1: To evaluate the effect of RPA banding on surgical outcomes in infants undergoing Stage I surgical palliation for single ventricle physiology.

Specific Aim 2: To evaluate the effect of RPA banding on LPA growth after Stage I surgical palliation for single ventricle physiology.