SickKids | Labatt Family Heart Centre

HOST Bootcamp

Norwood Model Educational Package

Norwood Model Objectives:

1. Develop Procedural Sequence
2. Highlight Anatomical Consideration of Procedure
3. Highlight Pitfalls for Procedure
4. Highlight Variations in Procedural Technique

Reference Articles:

1. O'Donnell AP, Lehenbauer DG. Reprint of: How He Did It - The James S. Tweddell Approach to Single Ventricle Palliation in Patients With Hypoplastic Left Heart Syndrome. J Thorac Cardiovasc Surg. 2024 Jul;168(1):202-240. doi: 10.1016/j.jtcvs.2024.03.032. Epub 2024 May 10. PMID: 38727668.
Real Full Text

2. Aortic Arch Reconstruction in the Norwood Procedure: The "Reimplantation" Technique Barron, David J et al. Operative Techniques in Thoracic and Cardiovascular Surgery, Volume 29, Issue 1, 37 - 53
Real Full Text

Video Links:

- HOST - Norwood Operation (Augmentation-reimplantation technique) on silicone heart model (View on YouTube)
- HOST - Norwood operation (Interdigitating Technique) on a silicone heart model (View on YouTube)
- Surgical video: MMCTS

Self-Assessment