SickKids | Labatt Family Heart Centre

HOST Bootcamp

TOF Model Educational Package

TOF 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. Valve-Sparing Options in Tetralogy of Fallot Surgery. Bacha, Emile Operative Techniques in Thoracic and Cardiovascular Surgery, Volume 18, Issue 4, 316 – 327
Real Full Text

2. Kwon MH, Bacha EA. Pulmonary Valve-Sparing Techniques for Tetralogy of Fallot: A Systematic Approach for Maximizing Success and Minimizing Risk. Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu. 2020;23:24-28. doi: 10.1053/j.pcsu.2020.02.005. PMID: 32354543.
Real Full Text

3. Expert Consensus P, Miller JR, Stephens EH, et al. The American Association for Thoracic Surgery (AATS) 2022 Expert Consensus Document: management of infants and neonates with tetralogy of Fallot. J Thorac Cardiovasc Surg. 2023;165:221e250.
Read Full Text

3. Optimal Surgical Management of Tetralogy of Fallot Vanderlaan, Rachel D. et al. CJC Pediatric and Congenital Heart Disease, Volume 2, Issue 6, 352 - 360
Read Full Text

Video Links:

- HOST video: HOST - TOF Repair (Transannular patch) on a Silicone Model
  (View on YouTube)
- Surgical video: TOF-AVSD: MMCTS
- Surgical video: Tetralogy of Fallot Repair Using the RAA and Autologous Pericardium | CTSNet

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Self Assessment