



TSDA Congenital Curricula

Thoracic Surgery Directors Association

TSDA Congenital Curricula for the Week of **August 13, 2012**

Week 5 of 32

To ensure you continue to receive timely TSDA news, or to provide another e-mail address for the TSDA Congenital Curricula, please forward contact information to tsda@tsda.org.

[Forward this message to a colleague.](#)

To assist TSDA in tracking this message, please red click to download pictures when viewing this message.

Welcome to Week 5 of the TSDA Congenital Curricula. The Congenital Curricula is based on an 32-week lesson plan, and you can expect to receive e-mail messages every Thursday for the upcoming week, with the exception of holiday weekends. The weekly assignments are a supplement to your program curriculum and include basic readings for congenital fellows, faculty, and others interested in congenital heart surgery. TSDA hopes the Congenital Curricula expands your current knowledge base and enhances your learning experience.

TOPIC: Aortopulmonary Window

Outline

- I. Morphology
 - a. Aortopulmonary Window Morphology
 - i. Mori Type I (Proximal to PA bifurcation)
 - ii. Mori Type II (PA bifurcation)
 - iii. Mori Type III (Proximal to and including PA bifurcation)
 - b. Associated lesions
 - i. Interrupted Aortic arch
 - ii. Anomalous Coronary Artery Origin
- II. Pathophysiology/Natural History
 - a. Left-to-right shunt
 - b. Coronary Perfusion
 - c. Pulmonary Vascular Disease
 - d. Eisenmenger's syndrome
 - e. Diagnosis/Determination of operability
 - i. Echocardiogram
 - ii. Cardiac Catheterization
 - 1. Qp:Qs calculation
 - 2. PVR calculation
 - 3. Pulmonary vasoreactivity
- III. Surgical repair
 - a. Indications/Timing
 - b. Conduct of Operation (Including Cannulation, CPB, Myocardial Protection)
 - i. 2 Patch Closure of AP Window

- ii. Sandwich Patch Closure of AP Window
- iii. Repair of AP Window with Interrupted aortic Arch
- c. Post-operative management
- d. Outcomes
- IV. Controversies
 - a. ?

Talk

- [Patent Ductus Arteriosus, Aortopulmonary Window, and Aortic Origin of the Pulmonary Artery](#) – Joseph Turek, MD (University of Iowa Children's Hospital)

Readings

- Aortopulmonary Window, Chapter 59, pp 1113-1121, by Azakie A, Brook MM, Karl TR, in [The Johns Hopkins Manual of Cardiothoracic Surgery](#), New York, McGraw-Hill, 2007.
- [Congenital Heart Surgery Nomenclature and Database Project: aortopulmonary window](#), by Jacobs JP, Quintessenza JA, Gaynor JW, Burke RP, Mavroudis C, in *The Annals of Thoracic Surgery*, April 2000 69:S44-S49.
- [Aortopulmonary Window](#), by Barnes ME, Mitchell ME, and Tweddell JS, in *Seminars in Thoracic and Cardiovascular Surgery: Pediatric Cardiac Surgery Annual*, 2011;14(1):67-74.
- [Surgical Repair of Aortopulmonary Window Associated With Interrupted Aortic Arch: Long-term Outcomes](#), by Konstantinov IE, Oka N, d'Udekem Y, Brizard CP, in the *Journal of Thoracic and Cardiovascular Surgery*, August 2010;140:483-4.
- [Outcomes for patients with an aortopulmonary window, and the impact of associated cardiovascular lesions](#), by Bagtharia R, Trivedi KR, Burkhart HM, Williams WG, Freedom RM, Van Arsdell GS, McCrindle BW, in *Cardiology in the Young*, October 2004;14:473-80.
- [Anterior Translocation of the Right Pulmonary Artery for Relief of Airway Compression in the Repair of Distal Aortopulmonary Window and Interrupted Aortic Arch](#), by Chang YH, Sung SC, Kim H, Lee HD, in *The Annals of Thoracic Surgery*, 2012;93(6):e159-61.

ADDITIONAL TSDA RESOURCES

- The [TSRA Review of Cardiothoracic Surgery](#) is available as a free PDF, e-Book, or as a print book. The textbook, edited by the Thoracic Surgery Residents Association and authored by more than 50 residents, is a valuable resource for CT surgery residents, faculty, and others interested in CT surgery education.
- The McGraw-Hill Companies, Inc., publishers of *The Johns Hopkins Manual of Cardiothoracic Surgery*, has graciously made available sections of this important textbook to TSDA Weekly Curricula subscribers. TSDA will post three chapters for a three month period over the course of one year. Check back frequently for new postings. [The Johns Hopkins Manual of Cardiothoracic Surgery](#) can be ordered at Amazon.com.
- New congenital, cardiac, and general thoracic talk pdf files now posted on TSDA.org. Visit the [New Talks page](#) to view new talks and download the pdf file.
- Attention program directors, faculty, residents, and fellows: If you know of a congenital curriculum topic for which you would like to create a talk, the TSDA Curriculum Committee encourages such contributions. Instructions for creating a talk can be found on [TSDA.org](#).

NEWS & INFORMATION

- Contact Megan Wright Drumm at mdrumm@sts.org if you have comments or suggestions for the TSDA Congenital Curricula.

The next message will be sent on August 16 for the week of August 20.

Thoracic Surgery Directors Association • 633 North St. Clair Street • Ste 2320 • Chicago IL 60611
Phone: 312.202.5854 | Fax: 312.202.5829 | tsda@tsda.org | www.tsda.org

[Unsubscribe here.](#)

633 N Saint Clair Street, Suite 2320, Chicago, IL 60611

Platforms: ASP.NET Web Forms, Products: ASPxScheduler Suite, Type: Question, Subject: Adding resources to scheduler. I was looking at the demo below, and wondering how the additional resources are actually added when you click the "plus" button. <http://demos.devexpress.com/ASPxSchedulerDemos/Miscellaneous/ResourceSharing.aspx>. TSDA offers various resources for Program Directors, Associate Program Directors, Program Coordinators, residents, and others interested in the work of TSDA. Useful forms, and helpful and informative books, pamphlets, manuals, and important links can be found in this section.