

THORACIC SURGERY DIRECTORS ASSOCIATION
Weekly Curriculum
Year 1: 2011-2013

<u>Year/Week</u>	<u>Week Description</u>	<u>CARDIAC TOPICS</u>
Year 1, Week 1	July 11, 2011	Coronary Artery Disease CABG Techniques
Year 1, Week 2	July 18, 2011	Cardiac Radiological Evaluation
Year 1, Week 3	July 25, 2011	Valve Disease, Aortic Regurgitation
Year 1, Week 4	August 1, 2011	Congenital: Physiology
Year 1, Week 5	August 8, 2011	Thoracoabdominal Aneurysms
Year 1, Week 6	August 15, 2011	Congenital: Heart Surgery Introduction and Palliative Shunts
Year 1, Week 7	August 22, 2011	Tricuspid Valve Repair and Replacement
Year 1, Week 8	August 29, 2011	Adult Cardiac Transplantation
Year 1, Week 9	September 12, 2011	Echocardiography
Year 1, Week 10	September 19, 2011	Congenital: ASD and PAPVR
Year 1, Week 11	September 26, 2011	Decision Making in Prosthetic Valve Choice
Year 1, Week 12	October 3, 2011	Mitral Valve Disease
Year 1, Week 13	October 10, 2011	Valve/CABG
Year 1, Week 14	October 17, 2011	Congenital: TAPVC
Year 1, Week 15	October 24, 2011	Aortic Aneurysmal Disease: Ascending Aortic Aneurysms and Size
Year 1, Week 16	October 31, 2011	Congenital: VSD
Year 1, Week 17	November 7, 2011	HOCM
Year 1, Week 18	November 14, 2011	Descending Aortic Disease: Spinal Cord Injury
Year 1, Week 19	November 28, 2011	Mitral Valve Stenosis
Year 1, Week 20	December 5, 2011	Congenital: Tricuspid Atresia
Year 1, Week 21	December 12, 2011	Off-Pump Coronary Bypass Surgery
Year 1, Week 22	December 19, 2011	Minimally Invasive Heart Surgery
Year 1, Week 23	January 9, 2012	Ischemic Mitral Regurgitation
Year 1, Week 24	January 16, 2012	Ischemic Mitral Disease
Year 1, Week 25	January 23, 2012	Congenital: Transposition
Year 1, Week 26	January 30, 2012	Acquired Valve Disease
Year 1, Week 27	February 6, 2012	Congenital: CPB
Year 1, Week 28	February 13, 2012	Cardiac Tumors
Year 1, Week 29	February 20, 2013	Congenital: Ross Procedure
Year 1, Week 30	February 27, 2012	Aortic Root Aneurysms: Evolving Concepts and Outcomes
Year 1, Week 31	March 5, 2012	Cardiac Trauma
Year 1, Week 32	March 12, 2012	Acute Aortic Dissections, Intramural Hematoma, Penetrating Atherosclerotic Ulcer
Year 1, Week 33	March 19, 2012	Congenital: Tetralogy of Fallot
Year 1, Week 34	March 26, 2012	Mitral Valve Regurgitation: Degenerative
Year 1, Week 35	April 2, 2012	End Stage Heart Disease
Year 1, Week 36	April 9, 2012	Congenital: AV Canal
Year 1, Week 37	April 16, 2012	Critical Care: Pharmacologic Support for Low Cardiac Output
Year 1, Week 38	April 23, 2012	Combined Cardiac and Carotid Vascular Surgery
Year 1, Week 39	April 30, 2012	CPB and Collateral Injury
Year 1, Week 40	May 7, 2012	Congenital: Aortic Stenosis and LVOTO
Year 1, Week 41	May 14, 2012	Pacers and Defibrillators
Year 1, Week 42	May 21, 2012	Endocarditis
Year 1, Week 43	June 11, 2012	Heart Retransplantation: Adult and Pediatric
Year 1, Week 44	June 18, 2012	LV Aneurysm and SVR/Ventricular Tachycardia

<u>THORACIC TOPICS</u>
Lung Cancer: Overview and Staging
Trauma: Diaphragm Injuries
Pulmonary Function Testing
GERD Work-Up and Medical Treatment
Chest Wall and Diaphragmatic Physiology
Surgical Approaches to the Mediastinum
Lung Cancer: Early Detection of Small Malignancies
Corrosive Injuries of the Esophagus
Pulmonary Metastatic Disease
Esophageal Strictures
Esophageal Diverticulum
Esophagus: Paraesophageal Hernia
Lung Cancer: T3 Disease
Esophageal Trauma
Barrett's Esophagus
GERD: Surgical Treatment
Mediastinal Tumors: Neurogenic
Mediastinal Tumors: Thyoma
Esophageal Foreign Bodies
Lung Infections and Massive Hemoptysis
Pleural Disease: Malignant Mesothelioma
Adjuvant Therapy for Stage I & II Lung Cancer
Trachea: Anatomy, Resection and Reconstruction
Lung Infections: Mycotic
Lung Cancer: Stage I Disease (Wedge vs. Lobe)
Chest Wall Tumors: Benign and Malignant
Chest Wall Deformities
Penetrating Chest Trauma
Pediatric: Lung Transplantation
Esophageal Diverticula
Trachea: Resection/Repair for Benign Disease, Iatrogenic Injury, and Trauma
Esophageal Motility Disorders and Surgical Approaches
Staging for Esophageal Cancer
Esophageal Surgery: Esophageal Reconstruction
Esophageal Perforation
Mediastinum Tumors
Thoracoscopic Mediastinal Surgery
Lung Cancer: T4 Disease
Hyperhidrosis
Lung Volume Reduction Surgery, Airway Valve Procedures
Interstitial Lung Disease
Trachea: Subglottic Stenosis and Intubation Injury
The Diaphragm: Congenital Disorders
Congenital Lung Anomalies

THORACIC SURGERY DIRECTORS ASSOCIATION
Weekly Curriculum
Year 2: 2011-2013

<u>Week</u>	<u>Description</u>	<u>CARDIAC TOPICS</u>
Year 2, Week 45	July 16, 2012	Physiology and Anatomy
Year 2, Week 46	July 23, 2012	Critical Care
Year 2, Week 47	July 30, 2012	Coronary Artery Disease
Year 2, Week 48	August 6, 2012	Coronary Artery Disease
Year 2, Week 49	August 13, 2012	Valve Disease: Echocardiography and Minimally Invasive Surgery
Year 2, Week 50	August 20, 2012	Congenital: Cardiac Evaluation, Catheterization
Year 2, Week 51	August 27, 2012	Aortic Root and Valve Repair
Year 2, Week 52	September 10, 2012	Congenital: ICU and Postoperative Care
Year 2, Week 53	September 17, 2012	Congenital: Vascular Rings, Slings and Diverticula
Year 2, Week 54	September 24, 2012	Cardiopulmonary Bypass
Year 2, Week 55	October 1, 2012	Congenital: Coronary Artery Anomalies
Year 2, Week 56	October 8, 2012	Coronary Artery Disease: Clinical Outcomes
Year 2, Week 57	October 15, 2012	Cardiac Transplantation: Adult
Year 2, Week 58	October 22, 2012	VSD and AVSD (Part II)
Year 2, Week 59	October 29, 2012	Mediastinitis
Year 2, Week 60	November 5, 2012	Critical Care: Low Output and Ischemia
Year 2, Week 61	November 12, 2012	CAD: Cardiac Surgery Resources in the Elderly and Extreme Cases
Year 2, Week 62	November 19, 2012	Descending Thoracic Aneurysms and Traumatic Injuries
Year 2, Week 63	December 3, 2012	Congenital: DORV and Truncus Arteriosus
Year 2, Week 64	December 10, 2012	Natural History and Timing of Repair: Descending Thoracic Aortic Aneurysms
Year 2, Week 65	December 17, 2012	Minimally Invasive Valve Surgery
Year 2, Week 66	January 7, 2013	Critical Care: Postoperative Care and Perioperative Neurological Complications
Year 2, Week 67	January 14, 2013	Ischemic Mitral Regurgitation
Year 2, Week 68	January 21, 2013	Congenital: Interrupted Aortic Arch and Coarctation
Year 2, Week 69	January 28, 2013	Reoperative Coronary Artery Bypass Surgery
Year 2, Week 70	February 4, 2013	Acute Pulmonary Embolism and Pulmonary Embolectomy
Year 2, Week 71	February 11, 2013	Chronic Pulmonary Embolism and Pulmonary Thromboendarterectomy
Year 2, Week 72	February 18, 2013	Perfusion Strategies for Aortic Arch Replacement
Year 2, Week 73	February 25, 2013	Complex Mitral Problems (Redo, Annular Calcification, AV Disruption, etc.)
Year 2, Week 74	March 4, 2013	Sinus of Valsalva Aneurysm
Year 2, Week 75	March 11, 2013	Pulmonary Failure, ECMO, PECLA
Year 2, Week 76	March 18, 2013	Aortic Deceleration Injury
Year 2, Week 77	March 25, 2013	Congenital: Cardiac Transplantation
Year 2, Week 78	April 1, 2013	Degenerative Mitral Valve Regurgitation
Year 2, Week 79	April 8, 2013	Aortic Valve Disease: Stenosis and Bicuspid Valve
Year 2, Week 80	April 15, 2013	Aortic Valve Replacement: Choice of Prosthesis
Year 2, Week 81	April 22, 2013	Congenital: Pulmonic Stenosis RVOTO
Year 2, Week 82	April 29, 2013	Surgical Options in Heart Failure
Year 2, Week 83	May 6, 2013	Arrhythmia Surgery
Year 2, Week 84	May 13, 2013	Postinfarction VSD and Ventricular Rupture
Year 2, Week 85	May 20, 2013	Complications of MV Repair and Replacement (SAM, Ventricular Rupture)
Year 2, Week 86	June 4, 2013	Congenital: Hypoplastic Left Heart Syndrome
Year 2, Week 87	June 10, 2013	Chronic Aortic Dissection
Year 2, Week 88	June 17, 2013	Mitral Valve Disease, MVR, A-Fib, Stroke Risk

<u>THORACIC TOPICS</u>
Chest Disease: Radiological Evaluation
Stents and Endoscopy
Lung Neoplasms
Pleural Disease
Esophageal Malignancy and Diagnostic Esophagoscopy
Lung Cancer
Chest Wall Reconstruction After Tumor Resection or Injury
Congenital: Esophageal Anomalies
Endoscopy: Upper Airway
Tracheobronchoplasty and Sleeve Resection for Malignant and Benign Disease
Esophagus: Benign Tumors, Cysts and Duplications
Chest Trauma
Esophageal Malignancy: Treatment Options
Parapneumonic Empyema
Lung Cancer: Paraneoplastic Syndromes
Thoracoscopy: Technical Aspects
Lung Cancer: Preoperative Evaluation and Aggressive Staging
Esophagus: Esophagoscopy
Nuclear Diagnostic and Staging Studies
Critical Care: Ventilator Management and Unique Problems
Postpneumonectomy Syndrome
Bronchopleural Fistula and Postsurgical Empyema
Suppurative Lung Infections and Lung Abscess
Radiological Evaluation of Chest Disease
Interesting Case Conference
Normal Pulmonary Physiology and Evaluation of Pulmonary Function Tests
Palliative Thoracic Stents
Lung Cancer: The Surprise N2 Node at Surgery
Thoracic Outlet Syndrome and Effort Thrombosis
Thoracic Sympathectomy for Hyperhidrosis or Digital Ischemia
Esophageal Replacement: Jejunum
Mediastinal Infections
Pulmonary Metastasis: Part II
Esophageal Replacement: Colon
Barrett's Esophagus: Timing and Technique of Surgery
Diaphragm: Eventration, Porous Syndromes, Catamenial Pneumothorax
Pulmonary Carcinoid Tumors
Thymectomy for Myasthenia Gravis
Risk Stratification for Lung Resection
Esophageal Motility Disorders: Reoperation
Lung Biopsy: Infection and Fibrosis
Lung Transplantation
The Thoracic Duct and Chylothorax
Interesting Case Conference