

THORACIC SURGERY DIRECTORS ASSOCIATION
Weekly Curriculum
Year 1: 2009-2010

<u>Year/Week</u>	<u>Week Description</u>	<u>CARDIAC TOPICS</u>
Year 1, Week 1	July 13, 2009	Coronary Artery Disease CABG Techniques
Year 1, Week 2	July 20, 2009	Cardiac Radiological Evaluation
Year 1, Week 3	July 27, 2009	Valve Disease, Aortic Regurgitation
Year 1, Week 4	August 3, 2009	Congenital: Physiology
Year 1, Week 5	August 10, 2009	Thoracoabdominal Aneurysms
Year 1, Week 6	August 17, 2009	Congenital: Heart Surgery Introduction and Palliative Shunts
Year 1, Week 7	August 24, 2009	Tricuspid Valve Repair and Replacement
Year 1, Week 8	August 31, 2009	Adult Cardiac Transplantation
Year 1, Week 9	September 14, 2009	Echocardiography
Year 1, Week 10	September 21, 2009	Congenital: ASD and PAPVR
Year 1, Week 11	September 28, 2009	Decision Making in Prosthetic Valve Choice
Year 1, Week 12	October 5, 2009	Mitral Valve Disease
Year 1, Week 13	October 12, 2009	Valve/CABG
Year 1, Week 14	October 19, 2009	Congenital: TAPVC
Year 1, Week 15	October 26, 2009	Aortic Aneurysmal Disease: Ascending Aortic Aneurysms and Size
Year 1, Week 16	November 2, 2009	Congenital: VSD
Year 1, Week 17	November 9, 2009	HOCM
Year 1, Week 18	November 16, 2009	Descending Aortic Disease: Spinal Cord Injury
Year 1, Week 19	November 30, 2009	Mitral Valve Stenosis
Year 1, Week 20	December 7, 2009	Congenital: Tricuspid Atresia
Year 1, Week 21	December 14, 2009	Off-Pump Coronary Bypass Surgery
Year 1, Week 22	January 4, 2010	Minimally Invasive Heart Surgery
Year 1, Week 23	January 11, 2010	Ischemic Mitral Regurgitation
Year 1, Week 24	January 18, 2010	Congenital: Transposition
Year 1, Week 25	January 25, 2010	Ischemic Mitral Disease
Year 1, Week 26	February 1, 2010	Acquired Valve Disease
Year 1, Week 27	February 8, 2010	Congenital: CPB
Year 1, Week 28	February 15, 2010	Cardiac Tumors
Year 1, Week 29	February 22, 2010	Congenital: Ross Procedure
Year 1, Week 30	March 1, 2010	Aortic Root Aneurysms: Evolving Concepts and Outcomes
Year 1, Week 31	March 8, 2010	Cardiac Trauma
Year 1, Week 32	March 15, 2010	Acute Aortic Dissections, Intramural Hematoma, Penetrating Atherosclerotic Ulcer
Year 1, Week 33	March 22, 2010	Congenital: Tetralogy of Fallot
Year 1, Week 34	March 29, 2010	Mitral Valve Regurgitation: Degenerative
Year 1, Week 35	April 5, 2010	End Stage Heart Disease
Year 1, Week 36	April 12, 2010	Congenital: AV Canal
Year 1, Week 37	April 19, 2010	Critical Care: Pharmacologic Support for Low Cardiac Output
Year 1, Week 38	April 26, 2010	Combined Cardiac and Carotid Vascular Surgery
Year 1, Week 39	May 3, 2010	CPB and Collateral Injury
Year 1, Week 40	May 10, 2010	Congenital: Aortic Stenosis and LVOTO
Year 1, Week 41	May 17, 2010	Pacers and Defibrillators
Year 1, Week 42	May 24, 2010	Endocarditis
Year 1, Week 43	June 7, 2010	Heart Retransplantation: Adult and Pediatric
Year 1, Week 44	June 14, 2010	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

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Weekly Curriculum

Year 2: 2010-2011

<u>Week</u>	<u>Description</u>	<u>CARDIAC TOPICS</u>
Year 2, Week 45	July 12, 2010	Physiology and Anatomy
Year 2, Week 46	July 19, 2010	Critical Care
Year 2, Week 47	July 26, 2010	Coronary Artery Disease
Year 2, Week 48	August 2, 2010	Coronary Artery Disease
Year 2, Week 49	August 9, 2010	Valve Disease: Echocardiography and Minimally Invasive Surgery
Year 2, Week 50	August 16, 2010	Congenital: Cardiac Evaluation, Catheterization
Year 2, Week 51	August 23, 2010	Aortic Root and Valve Repair
Year 2, Week 52	August 30, 2010	Congenital: ICU and Postoperative Care
Year 2, Week 53	September 13, 2010	Congenital: Vascular Rings, Slings and Diverticula
Year 2, Week 54	September 20, 2010	Cardiopulmonary Bypass
Year 2, Week 55	September 27, 2010	Congenital: Coronary Artery Anomalies
Year 2, Week 56	October 4, 2010	Coronary Artery Disease: Clinical Outcomes
Year 2, Week 57	October 11, 2010	Cardiac Transplantation: Adult
Year 2, Week 58	October 18, 2010	VSD and AVSD (Part II)
Year 2, Week 59	October 25, 2010	Mediastinitis
Year 2, Week 60	November 1, 2010	Critical Care: Low Output and Ischemia
Year 2, Week 61	November 8, 2010	CAD: Cardiac Surgery Resources in the Elderly and Extreme Cases
Year 2, Week 62	November 15, 2010	Descending Thoracic Aneurysms and Traumatic Injuries
Year 2, Week 63	November 29, 2010	Congenital: DORV and Truncus Arteriosus
Year 2, Week 64	December 6, 2010	Natural History and Timing of Repair: Descending Thoracic Aortic Aneurysms
Year 2, Week 65	December 13, 2010	Minimally Invasive Valve Surgery
Year 2, Week 66	January 3, 2011	Critical Care: Postoperative Care and Perioperative Neurological Complications
Year 2, Week 67	January 10, 2011	Ischemic Mitral Regurgitation
Year 2, Week 68	January 17, 2011	Congenital: Interrupted Aortic Arch and Coarctation
Year 2, Week 69	January 24, 2011	Reoperative Coronary Artery Bypass Surgery
Year 2, Week 70	January 31, 2011	Acute Pulmonary Embolism and Pulmonary Embolectomy
Year 2, Week 71	February 7, 2011	Chronic Pulmonary Embolism and Pulmonary Thromboendarterectomy
Year 2, Week 72	February 14, 2011	Perfusion Strategies for Aortic Arch Replacement
Year 2, Week 73	February 21, 2011	Complex Mitral Problems (Redo, Annular Calcification, AV Disruption, etc.)
Year 2, Week 74	February 28, 2011	Sinus of Valsalva Aneurysm
Year 2, Week 75	March 7, 2011	Pulmonary Failure, ECMO, PECLA
Year 2, Week 76	March 14, 2011	Aortic Deceleration Injury
Year 2, Week 77	March 21, 2011	Congenital: Cardiac Transplantation
Year 2, Week 78	March 28, 2011	Degenerative Mitral Valve Regurgitation
Year 2, Week 79	April 4, 2011	Aortic Valve Disease: Stenosis and Bicuspid Valve
Year 2, Week 80	April 11, 2011	Aortic Valve Replacement: Choice of Prosthesis
Year 2, Week 81	April 18, 2011	Congenital: Pulmonic Stenosis RVOTO
Year 2, Week 82	April 25, 2011	Surgical Options in Heart Failure
Year 2, Week 83	May 2, 2011	Arrhythmia Surgery
Year 2, Week 84	May 9, 2011	Postinfarction VSD and Ventricular Rupture
Year 2, Week 85	May 16, 2011	Complications of MV Repair and Replacement (SAM, Ventricular Rupture)
Year 2, Week 86	May 23, 2011	Congenital: Hypoplastic Left Heart Syndrome
Year 2, Week 87	June 6, 2011	Chronic Aortic Dissection
Year 2, Week 88	June 13, 2011	Mitral Valve Disease, MVR, A-Fib, Stroke Risk

THORACIC TOPICS

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