

Write short Notes on:

1. Anatomy of conduction system of heart and its relation to various types of VSDs.
2. Development of diaphragm.
3. Lymphatic drainage of lungs.
4. Dysphagia lusoria.
5. Thoracic outlet syndrome.
6. Multi drug resistant pulmonary tuberculosis.
7. Thoracic duct injury.
8. Achalasia cardia.
9. Azygous lobe of lung.
10. Castleman's disease.

Write short Notes on:

1. Anatomy of the aortic root and techniques of root enlargement.
2. Management of superior sulcus tumor.
3. Indications for IVC filter in deep vein thrombosis.
4. Palliative shunts for cyanotic spells.
5. Classification of tricuspid atresia.
6. Cystic disease of lung and infantile lobar emphysema.
7. Management of aneurysmal ductus arteriosus
8. Management of chylothorax
9. Blood conservation in open heart surgery.
10. Grading and surgery for myasthenia gravis.

Write short Notes on:

1. Gene therapy in ischemic heart disease.
2. Recent options for surgical ablation of atrial fibrillation.
3. Robotic cardiac surgery.
4. Currently available material for bio prosthetic heart valves.
5. Lung volume reduction surgery.
6. Endovascular grafts.
7. Post cardiac transplant medical management.
8. Integrated myocardial protection.
9. Currently available tissue stabilization and allied systems.
10. Management of esophageal atresias.

Write short notes on:

1. Role of pacemakers in cardiac surgery
2. Principle and classification of oxygenates
3. Anatomy of the aortic root and its applied importance
4. Development of diaphragm and classification of diaphragmatic hernias
5. Importance of blood gas analysis in postoperative cardiac surgical management
6. Causes and management of chylothorax
7. Integrated myocardial protection during open heart surgery
8. Classification of ventricular septal defects and their embryological basis
9. Bronchopulmonary segments and their applied importance
10. Causes and management of bleeding after cardiac surgery

Write short notes on:

1. Indication of surgery in pulmonary tuberculosis and steps of left lower lobectomy
2. Management of flail chest
3. Emergency department thoracotomy
4. Management of thoracic outlet syndrome
5. Compare on and off-pump techniques of myocardial revascularization
6. Management of esophageal strictures
7. Management of aortic dissections
8. Discuss left ventricular assist devices
9. Management of myasthenia gravis
10. Management of post myocardial infarction ventricular septal defect

Write short notes on:

1. Surgical management of atrial fibrillation
2. Total arterial coronary artery bypass grafting
3. Cardiac surgery in terms of cosmetic acceptance
4. Video assisted thoracic surgery
5. Cardiac transplant and immunosuppressant
6. Scimitar syndrome
7. Compare aortic valve repair versus newer bioprosthetic replacement
8. Role of cardio vascular surgeon in intravascular interventions in current era
9. Fenestrated Fontan operation
10. Role of bovine tissue in cardiothoracic surgery

Write short notes on:

1. Pancoast syndrome
2. Recent trends in cardioplegia
3. Oesophageal atresias.
4. Non-homograft stentless prosthetic valves
5. Transmyocardial revascularization.
6. Intracardiac space occupying lesions.
7. Endovascular stent grafts.
8. Surgery for pulmonary tuberculosis.
9. Transoesophageal echocardiography.
10. Palliative shunts for tetralogy of Fallot.

Write short notes on:

1. Pectus Excavatum
2. Name premalignant lesions of the esophagus, discuss achalasia cardia.
3. Indications of surgery in Chronic Aortic Incompetence and management of small aortic root.
4. Post infarction ventricular septal defect.
5. Describe surgical intervention required in congenitally corrected transposition of great arteries.
6. Vascular ring and sling.
7. Emergency Department Thoractomy.
8. Chylothorax.
9. Calcified ductus arteriosus.
10. Oxygenator.

Write short notes on:

1. Atrial Isomerism.
2. Total Artificial Heart (TAH).
3. Biventricular Pacing.
4. Recent advances in stented pericardial heart valves.
5. Drug eluting stent.
6. Milrinone.
7. Off pump coronary artery bypass grafting.
8. Recent trends in mitral valve repair.
9. Ross procedure.
10. Obstructed Total Anomalous Pulmonary Venous Connection (TAPVC)