

Pediatric Thoracic Surgery: A Comprehensive Guide by Arthur Bohart

Pediatric thoracic surgery is a specialized field of surgery that focuses on the surgical treatment of congenital and acquired disorders of the chest in children. These disorders can include congenital heart defects, chest wall deformities, lung disease, tracheal anomalies, esophageal atresia, congenital diaphragmatic hernia, pectus excavatum, pectus carinatum, scoliosis, kyphosis, and lordosis.

Pediatric thoracic surgeons are highly trained and experienced surgeons who have undergone specialized training in the diagnosis and treatment of these disorders. They work closely with other members of the healthcare team, including pediatricians, cardiologists, pulmonologists, and neonatologists, to provide the best possible care for their patients.



Pediatric Thoracic Surgery by Arthur C. Bohart

★★★★☆ 4.6 out of 5

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History of Pediatric Thoracic Surgery

The history of pediatric thoracic surgery can be traced back to the early 1900s, when surgeons began to perform open heart surgery on children. In the 1950s, the development of the heart-lung machine made it possible to perform more complex heart surgeries, and the field of pediatric thoracic surgery began to grow rapidly.

Over the past few decades, there have been significant advances in the field of pediatric thoracic surgery. These advances include the development of new surgical techniques, the use of new technologies, and the development of new medications. As a result, the outcomes of pediatric thoracic surgery have improved dramatically, and children with these disorders are now able to live longer, healthier lives.

Indications for Pediatric Thoracic Surgery

There are a variety of indications for pediatric thoracic surgery, including:

- Congenital heart defects
- Chest wall deformities
- Lung disease
- Tracheal anomalies
- Esophageal atresia
- Congenital diaphragmatic hernia
- Pectus excavatum
- Pectus carinatum
- Scoliosis

- Kyphosis
- Lordosis

Techniques of Pediatric Thoracic Surgery

There are a variety of surgical techniques that can be used to treat pediatric thoracic disorders. The specific technique that is used will depend on the type of disorder, the age of the child, and the overall health of the child.

Some of the most common surgical techniques used in pediatric thoracic surgery include:

- Open heart surgery
- Minimally invasive heart surgery
- Chest wall reconstruction
- Lung resection
- Tracheal reconstruction
- Esophageal atresia repair
- Congenital diaphragmatic hernia repair
- Pectus excavatum repair
- Pectus carinatum repair
- Scoliosis surgery
- Kyphosis surgery
- Lordosis surgery

Outcomes of Pediatric Thoracic Surgery

The outcomes of pediatric thoracic surgery have improved dramatically over the past few decades. This is due to a number of factors, including the development of new surgical techniques, the use of new technologies, and the development of new medications.

Today, the majority of children who undergo pediatric thoracic surgery have excellent outcomes. They are able to live long, healthy lives, and they are able to participate in all of the activities that their peers enjoy.

Pediatric thoracic surgery is a complex and challenging field, but it is also a rewarding one. Pediatric thoracic surgeons are able to make a real difference in the lives



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