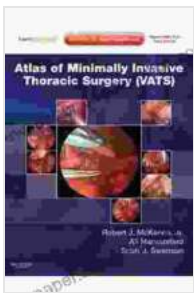


Atlas of Minimally Invasive Thoracic Surgery: VATS

Minimally invasive thoracic surgery (VATS) is a surgical technique that uses small incisions and a video camera to perform operations on the lungs, mediastinum, and other thoracic structures. VATS is less invasive than traditional open surgery, and it offers several advantages, including:



Atlas of Minimally Invasive Thoracic Surgery (VATS): Expert Consult by Violeta Mihailovic-Vucinic

★★★★☆ 4.4 out of 5

Language : English
File size : 34716 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 333 pages
Screen Reader : Supported
X-Ray for textbooks : Enabled



* Less pain * Shorter recovery time * Smaller scars * Reduced risk of complications

VATS is used to treat a variety of thoracic conditions, including:

* Lung cancer * Mediastinal tumors * Esophageal cancer * Thymoma *
Diaphragmatic hernia * Pneumothorax

The Atlas of Minimally Invasive Thoracic Surgery: VATS is a comprehensive guide to this surgical technique. It provides a detailed overview of the history, indications, techniques, and outcomes of VATS. The atlas is written by a team of experienced thoracic surgeons, and it is illustrated with high-quality photographs and diagrams.

History of VATS

VATS was first developed in the early 1990s. The first VATS procedures were performed on patients with lung cancer. Since then, VATS has been used to treat a variety of other thoracic conditions. VATS is now the standard of care for many thoracic surgeries.

Indications for VATS

VATS is indicated for a variety of thoracic conditions, including:

* Lung cancer * Mediastinal tumors * Esophageal cancer * Thymoma *
Diaphragmatic hernia * Pneumothorax

VATS may also be used for other thoracic procedures, such as:

* Lung biopsy * Pleural biopsy * Mediastinoscopy * Thoracoscopy

Techniques of VATS

VATS is typically performed using three small incisions. One incision is made in the chest wall, and two incisions are made in the axilla (armpit). The surgeon inserts a video camera and surgical instruments through the incisions. The video camera allows the surgeon to see the thoracic structures in real time. The surgical instruments are used to perform the operation.

The techniques of VATS vary depending on the specific procedure being performed. However, the general steps of VATS are as follows:

1. The patient is placed under general anesthesia.
2. The surgeon makes three small incisions in the chest wall and axilla.
3. The surgeon inserts a video camera and surgical instruments through the incisions.
4. The surgeon performs the operation using the video camera and surgical instruments.
5. The surgeon closes the incisions with sutures.

Outcomes of VATS

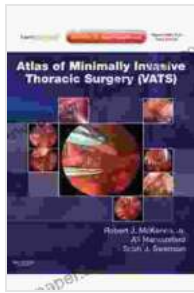
VATS is a safe and effective surgical technique. The outcomes of VATS are generally good. Most patients experience less pain, a shorter recovery time, and smaller scars after VATS than after traditional open surgery.

The risks of VATS are similar to the risks of any surgical procedure. These risks include:

- * Bleeding
- * Infection
- * Pneumothorax
- * Damage to the lung or other thoracic structures

The mortality rate for VATS is low. The mortality rate for lung cancer surgery performed using VATS is approximately 2%.

The Atlas of Minimally Invasive Thoracic Surgery: VATS is a comprehensive guide to this surgical technique. It provides a detailed overview of the history, indications, techniques, and outcomes of VATS. The atlas is written by a team of experienced thoracic surgeons, and it is illustrated with high-quality photographs and diagrams. The atlas is an essential resource for surgeons, residents, and students alike.



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