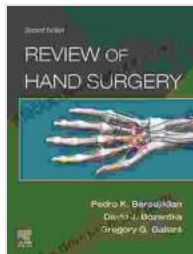


A Comprehensive Review of Hand Surgery: Indications, Techniques, and Outcomes



Review of Hand Surgery, E-Book by Pedro K. Beredjikian

★★★★★ 5 out of 5

Language : English
File size : 65120 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 325 pages

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Hand surgery is a specialized field of surgery that deals with the diagnosis and treatment of disorders of the hand, wrist, and forearm. Hand surgeons

are trained to perform a variety of surgical procedures, including carpal tunnel release, tendon repair, and fracture fixation. In this article, we will provide a comprehensive review of hand surgery, including the indications for surgery, the different types of surgical procedures, and the expected outcomes.

Indications for Hand Surgery

There are a number of different conditions that may require hand surgery. These include:

* **Carpal tunnel syndrome** is a condition that occurs when the median nerve is compressed within the carpal tunnel, a narrow passageway in the wrist. This can cause pain, numbness, and tingling in the hand and fingers.

* **Tendon injuries** can occur due to a variety of factors, such as trauma, overuse, or aging. These injuries can affect the tendons that control movement of the fingers, thumb, and wrist.

* **Fractures** of the hand, wrist, and forearm can occur due to trauma, such as a fall or a sports injury. These fractures can range from simple to complex, and may require surgery to repair.

* **Dupuytren's contracture** is a condition that causes the fingers to curl inward due to the thickening of the palmar fascia, a layer of tissue in the palm of the hand.

* **Ganglion cysts** are fluid-filled sacs that can develop on the tendons or joints of the hand and wrist. These cysts can cause pain and discomfort.

* **Tumors** of the hand, wrist, and forearm can be benign or malignant. Surgery may be necessary to remove the tumor and prevent its spread.

Types of Hand Surgery Procedures

The type of hand surgery procedure that is performed will depend on the underlying condition. Some of the most common types of hand surgery

procedures include:

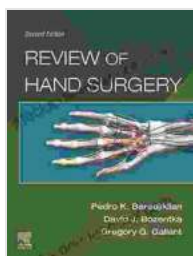
* **Carpal tunnel release** is a procedure that involves cutting the transverse carpal ligament, which is the ligament that forms the roof of the carpal tunnel. This can relieve the pressure on the median nerve and improve symptoms. * **Tendon repair** involves repairing damaged tendons. This can be done through a variety of techniques, such as suturing or grafting. * **Fracture fixation** involves repairing broken bones. This can be done through a variety of techniques, such as casting, splinting, or surgery. * **Dupuytren's contracture release** involves cutting the thickened palmar fascia to allow the fingers to straighten. * **Ganglion cyst removal** involves removing the fluid-filled sac. * **Tumor removal** involves removing the tumor and surrounding tissue.

Expected Outcomes of Hand Surgery

The expected outcomes of hand surgery will vary depending on the underlying condition and the type of procedure that is performed. In general, most people who undergo hand surgery experience significant improvement in their symptoms.

* **Carpal tunnel release** can relieve pain, numbness, and tingling in the hand and fingers. * **Tendon repair** can restore movement and strength to the affected tendons. * **Fracture fixation** can help to heal broken bones and restore function to the hand, wrist, or forearm. * **Dupuytren's contracture release** can allow the fingers to straighten and improve hand function. * **Ganglion cyst removal** can relieve pain and discomfort. * **Tumor removal** can prevent the spread of the tumor and improve overall health.

Hand surgery is a specialized field of surgery that can be used to treat a variety of conditions affecting the hand, wrist, and forearm. The type of procedure that is performed will depend on the underlying condition, and the expected outcomes will vary depending on the procedure. In general, most people who undergo hand surgery experience significant improvement in their symptoms.



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