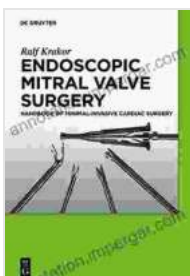


Unveiling the Revolutionary Endoscopic Mitral Valve Surgery: A Comprehensive Exploration

Amidst the ever-evolving landscape of cardiovascular medicine, Endoscopic Mitral Valve Surgery (EMVS) stands as a transformative innovation that is revolutionizing the treatment of mitral valve disease. As the first and most comprehensive text dedicated solely to this groundbreaking technique, "Endoscopic Mitral Valve Surgery" provides an invaluable resource for surgeons and practitioners seeking to master this paradigm-shifting approach.

Chapter 1: Historical Background and Evolution of EMVS

This chapter delves into the historical roots of EMVS, tracing its origins from pioneering concepts to the present-day state-of-the-art technology. Readers will gain insights into the challenges and advancements that have shaped the development of this surgical modality, culminating in its widespread adoption.



Endoscopic Mitral Valve Surgery: Handbook of Minimal-invasive Cardiac Surgery by Ralf Krakor

★★★★★ 5 out of 5

Language : English

File size : 17196 KB

Print length : 145 pages



Chapter 2: Surgical Anatomy and Instrumentation

A comprehensive understanding of the surgical anatomy of the mitral valve is essential for successful EMVS outcomes. This chapter provides detailed descriptions of the anatomy, as well as the specialized instruments and devices utilized in EMVS procedures. Clear illustrations and high-quality images facilitate a thorough grasp of the surgical field and the intricacies of the techniques.

Chapter 3: Patient Selection and Preoperative Planning

Careful patient selection and meticulous preoperative planning are crucial for optimizing EMVS outcomes. This chapter guides surgeons through the evaluation process, including patient history, physical examination, and advanced imaging techniques. It provides evidence-based guidelines for patient selection, risk stratification, and preoperative optimization.

Chapter 4: Surgical Technique

The centerpiece of this book, Chapter 4, presents a step-by-step description of the EMVS technique. With unparalleled clarity and precision, the authors walk surgeons through the entire procedural workflow, from anesthesia considerations to meticulous dissection, careful valve repair, and meticulous closure. Numerous high-quality images, diagrams, and videos illustrate each step, enabling readers to visualize and comprehend the intricate maneuvers involved.

Chapter 5: Periprocedural Management and Monitoring

Periprocedural management is critical to ensuring optimal patient outcomes. This chapter covers the monitoring techniques, anesthetic considerations, and postoperative care strategies specific to EMVS. It

provides practical guidance on managing potential complications and optimizing recovery.

Chapter 6: Long-Term Outcomes and Follow-Up

Long-term outcomes are paramount in assessing the efficacy and durability of EMVS. This chapter presents comprehensive data on the long-term outcomes of EMVS, including survival rates, valve durability, and functional improvement. It discusses the factors that influence long-term outcomes and provides recommendations for optimal follow-up strategies.

Chapter 7: Special Considerations and Advanced Techniques

EMVS has expanded its application to encompass a wide range of complex mitral valve pathologies. Chapter 7 addresses special considerations and advanced techniques for managing complex valve anatomy, such as flail leaflets, ruptured chordae tendineae, and concomitant cardiac anomalies. It also discusses emerging technologies and innovative approaches in EMVS.

"Endoscopic Mitral Valve Surgery" is an indispensable resource for surgeons seeking to enhance their skills in this rapidly evolving field. Through its comprehensive coverage of all aspects of EMVS, from historical perspectives to advanced techniques, this book empowers surgeons to achieve optimal outcomes and improve the lives of patients with mitral valve disease.

Alt Attributes

**Anterolateral
Commissure**

**Leaflet
(Anterior)**

**Annulus
(Anterior)**

**Left
Atrial
Wall**

**Leaflet
(Posterior)**

**Posterolateral
Commissure**

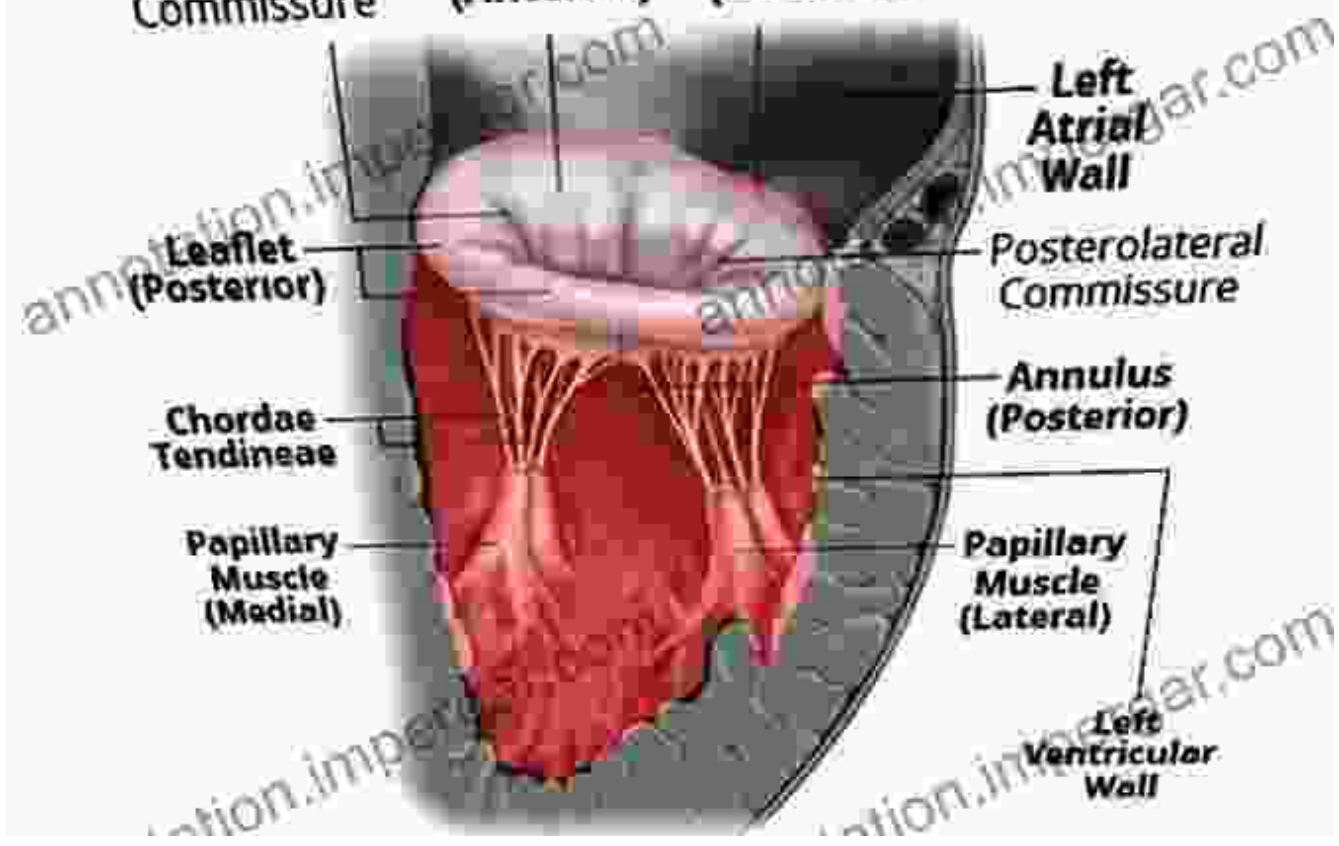
**Chordae
Tendineae**

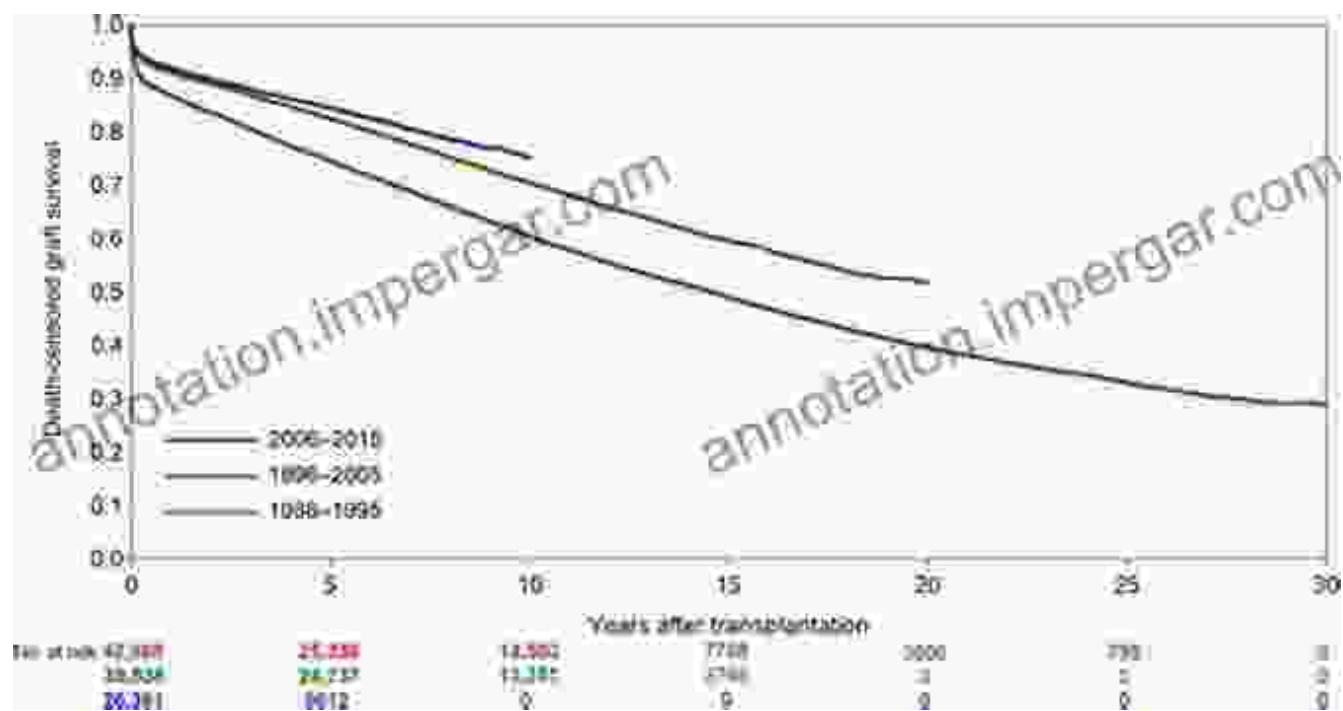
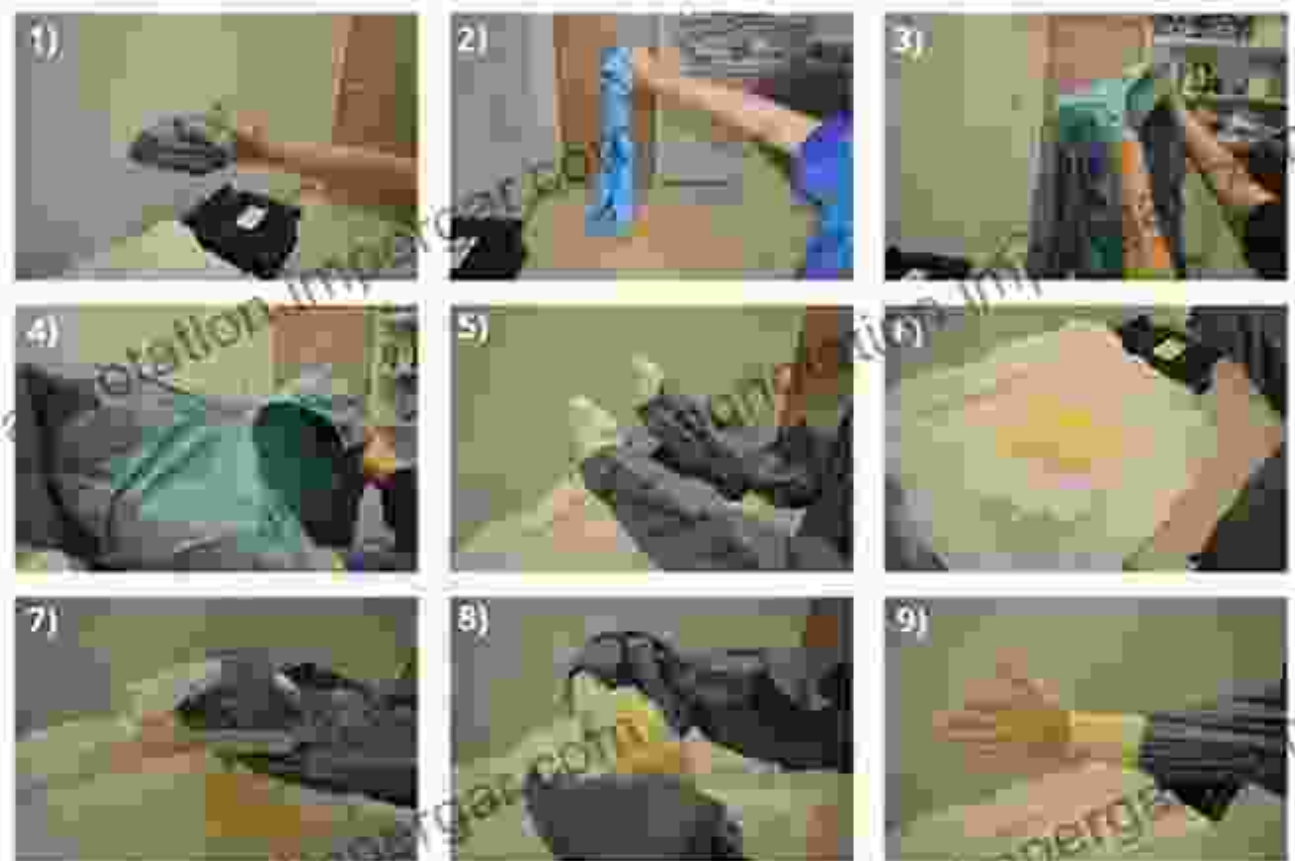
**Annulus
(Posterior)**

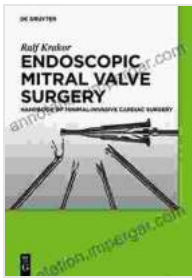
**Papillary
Muscle
(Medial)**

**Papillary
Muscle
(Lateral)**

**Left
Ventricular
Wall**







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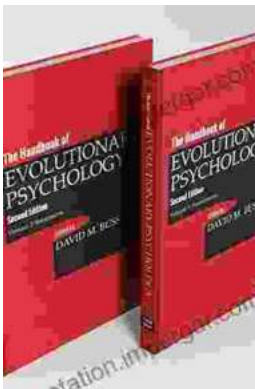
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