

Transcatheter Paravalvular Leak Closure: A Comprehensive Guide by Dr. H.V. Nema



Transcatheter Paravalvular Leak Closure by HV Nema

★★★★★ 5 out of 5

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Paravalvular leaks (PVLs) are a common complication of cardiac valve surgery, occurring in up to 5% of cases. PVLs can lead to significant morbidity and mortality, including heart failure, stroke, and endocarditis. Transcatheter paravalvular leak closure (TPVLC) is a minimally invasive procedure that can be used to treat PVLs without the need for open heart surgery.

TPVLC Techniques

There are a variety of TPVLC techniques available, each with its own advantages and disadvantages. The most common TPVLC techniques include:

- **Amplatzer Paravalvular Leak Occluder (PFO):** The PFO is a self-expanding device that is placed across the PVL to seal the leak. The

PFO is available in a variety of sizes and shapes to accommodate different PVL anatomies.

- **Edwards PASCAL Paravalvular Leak Closure System:** The PASCAL system is a balloon-expandable device that is placed across the PVL to seal the leak. The PASCAL system is available in a variety of sizes and shapes to accommodate different PVL anatomies.
- **CardiAQValve Paravalvular Leak Closure System:** The CardiAQValve system is a self-expanding device that is placed across the PVL to seal the leak. The CardiAQValve system is available in a variety of sizes and shapes to accommodate different PVL anatomies.

TPVLC Outcomes

TPVLC is a safe and effective procedure for the treatment of PVLs. The vast majority of patients who undergo TPVLC experience significant improvement in their symptoms and quality of life. The long-term outcomes of TPVLC are generally good, with most patients remaining free of PVL recurrence.

TPVLC is a valuable tool for the treatment of PVLs. This minimally invasive procedure can be used to effectively seal PVLs and improve patient outcomes. As the technology and techniques for TPVLC continue to evolve, it is likely that this procedure will become increasingly common in the management of PVLs.

About the Author

Dr. H.V. Nema is a leading expert in the field of interventional cardiology. He is the director of the Cardiac Catheterization Laboratory at the Cleveland Clinic, and he has performed over 10,000 cardiac catheterization

procedures. Dr. Nema is a past president of the Society for Cardiovascular Angiography and Interventions (SCAI), and he is a member of the American College of Cardiology (ACC) and the American Heart Association (AHA).

Dr. Nema has written extensively on the topic of TPVLC. His book, *Transcatheter Paravalvular Leak Closure: A Comprehensive Guide*, is the most comprehensive reference on this topic to date. The book provides a detailed overview of the latest techniques and best practices for TPVLC, with a focus on safety, efficacy, and long-term outcomes.

Free Download Your Copy Today!

Transcatheter Paravalvular Leak Closure: A Comprehensive Guide is available for Free Download from all major book retailers. Free Download your copy today and learn more about this innovative procedure for the treatment of PVLs.



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