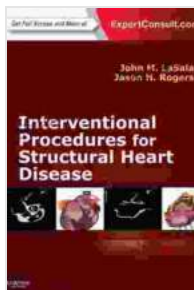


Interventional Procedures for Adult Structural Heart Disease: A Comprehensive Guide

Structural heart disease (SHD) is a group of conditions that affect the structure of the heart. These conditions can range from mild to severe, and can cause a variety of symptoms, including chest pain, shortness of breath, and fatigue. In some cases, SHD can lead to heart failure or death.

Interventional procedures are minimally invasive procedures that can be used to treat SHD. These procedures are typically performed through a small incision in the groin or arm, and do not require open heart surgery. Interventional procedures can be used to repair or replace damaged heart valves, close holes in the heart, and widen narrowed arteries.



Interventional Procedures for Adult Structural Heart Disease: Expert Consult - Online by Jason H. Rogers

★★★★☆ 4.8 out of 5

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Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 368 pages



Patient Selection and Pre-Operative Planning

The decision of whether or not to perform an interventional procedure for SHD is made on a case-by-case basis. The patient's age, overall health,

and the severity of their condition will all be taken into consideration.

Before an interventional procedure is performed, the patient will undergo a thorough evaluation. This evaluation will include a physical examination, blood tests, and imaging tests, such as an echocardiogram or a cardiac catheterization. The evaluation will help the doctor to determine the best course of treatment for the patient.

Types of Interventional Procedures

There are a variety of different interventional procedures that can be used to treat SHD. The most common types of procedures include:

* **Balloon valvuloplasty:** This procedure is used to widen narrowed heart valves. A small balloon is inserted into the heart valve and inflated, which helps to stretch the valve and make it easier for blood to flow through. *

* **Valve replacement:** This procedure is used to replace damaged heart valves. A new valve is inserted into the heart through a small incision in the chest. *

* **Atrial septal defect (ASD) closure:** This procedure is used to close holes in the heart. A small device is inserted into the heart through a small incision in the groin or arm and used to close the hole. *

* **Ventricular septal defect (VSD) closure:** This procedure is used to close holes in the heart. A small device is inserted into the heart through a small incision in the groin or arm and used to close the hole. *

* **Percutaneous coronary intervention (PCI):** This procedure is used to widen narrowed arteries in the heart. A small balloon is inserted into the artery and inflated, which helps to stretch the artery and make it easier for blood to flow through.

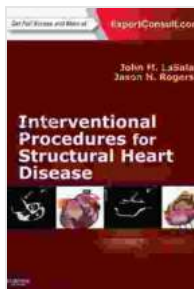
Post-Operative Care and Follow-Up

After an interventional procedure, the patient will be monitored closely for any complications. The patient will also be given instructions on how to care for themselves at home, including how to take medications and how to avoid activities that could put strain on the heart.

The patient will also be scheduled for follow-up appointments with their doctor. These appointments will allow the doctor to monitor the patient's progress and make sure that the procedure was successful.

Interventional procedures are a safe and effective way to treat SHD. These procedures can help to improve the patient's quality of life and lifespan.

If you have been diagnosed with SHD, talk to your doctor about whether or not an interventional procedure is right for you.



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