More than 40 years of experience with ePTFE in medical implants
Bioinert

Biocompatible

Minimal tissue attachment

Clear plane of dissection

Long-term flexibility

IDEAL FOR USE WITH LEFT VENTRICULAR ASSIST DEVICE (LVAD) OR TOTAL ARTIFICIAL HEART (TAH)
Reoperative experience and current implantation techniques support placement of the GORE® PRECLUDE® Pericardial Membrane between the epicardial surface of the heart and the pericardium. It is essential that the membrane be tailored to the size of the repair site. If the GORE® PRECLUDE® Pericardial Membrane is too small, impairment of cardiac function may occur, and sutures may pull out.

If the GORE® PRECLUDE® Pericardial Membrane is too large when implanted, excessive wrinkling may occur, possibly resulting in undesired tissue attachment caused by accumulation of blood next to the heart. Tucking the membrane at least 2 cm under the edge of the pericardium can prevent attachment of the pericardial incision to the epicardium. Wrinkling can be minimized by partially closing the sternal retractors prior to completion of the implantation of the GORE® PRECLUDE® Pericardial Membrane.

USE WITH LVAD or TAH

Reconstruction of the pericardium with GORE® PRECLUDE® Pericardial Membrane concurrent with implantation of mechanical circulatory assist devices should be completed utilizing the recommended techniques of handling, sizing, and suturing in the Instructions for Use. If multiple pieces of the GORE® PRECLUDE® Pericardial Membrane are required for the repair, they should be sutured together with non-absorbable monofilament suture. Removal of mechanical circulatory assist devices has been facilitated when the GORE® PRECLUDE® Pericardial Membrane is employed in this manner.

INTERNAL MAMMARY ARTERY (IMA) WRAPPING

When placing the GORE® PRECLUDE® Pericardial Membrane around the IMA pedicle, it is essential that the membrane be tailored to the size of the pedicle. If the width of the membrane is inadequate, the resulting sleeve may compress the pedicle, causing graft occlusion. In addition, sutures or clips may pull out, resulting in incomplete protection. The membrane should be of sufficient length to ensure adequate coverage of the portion of the IMA pedicle at risk during resternotomy and dissection. Anchoring of the membrane to the pedicle or epicardium should be considered.

SUTURING TECHNIQUE

Placing sutures adjacent to the anterior cardiac surface should be minimized, to reduce epicardial fibrosis. Sutures should be placed as lateral as possible and the use of continuous suture lines should be avoided. Non-absorbable, monofilament sutures, such as the GORE-TEX® Suture, have been used to anchor GORE® PRECLUDE® Pericardial Membrane to the pericardium with interrupted stitches. Similar sutures or clips have been used to form the membrane into a sleeve around the IMA pedicle.

USE OF DRAINS

When closure of the pericardial sac is performed, it is common practice to place two drains (in the intrapericardial and extrapericardial cavity) to remove any accumulating fluids and to be able to trace the origin of blood if bleeding occurs.
INDICATIONS FOR USE: Reconstruction or repair of the pericardium.

CONTRAINDICATIONS: Not for reconstruction of CARDIOVASCULAR DEFECTS such as cardiac, great vessel, and peripheral vascular, DURA MATER, HERNIAS. Use of this product in applications other than those indicated has the potential for serious complications, such as suture pullout or failure of the repair (aneurysm formation). Refer to Instructions for Use at goremedical.com for a complete description of all warnings, precautions and adverse events.

SUGGESTED READING


