5.1
1. Obstructions Form In The Chest Tube

6.1
1. Chest Tube Free Of Obstructions
2. Proximal End
3. When Finished, Return Shuttle Guide To Proximal End And "Click" Into Position
4. Shuttle Guide Fully Withdrawn
5. Drainage Material Flows To Drainage Canister
1. Clearance Loop Is Advanced To The Tip When Not In Use

2. Shuttle Guide Is In The Parked Position

1. Proximal
2. PleuraFlow Chest Tube
3. Distal
4. Proximal End Connects To PleuraFlow Chest Tube
5. PleuraFlow Guide Tube
6. Distal End (Away From Patient)

1. Must Cut On Cut-Line

1. PleuraFlow Chest Tube
2. Proximal End
3. PleuraFlow Clearance Apparatus
4. Distal End
5. Drainage Canister
6. Drainage Tubing

1. Clearance Loop Is Advanced To The Tip When Not In Use
2. Shuttle Guide Is In The Parked Position
The PleuraFlow system is designed for use during cardiothoracic surgical procedures and chest drains. It is a technology-based system that enables continuous evacuation of air, blood, and fluid from the thoracic cavity. The PleuraFlow Chest Tube is connected directly to the drainage tubing. The chest tube can then be left in place until removal is indicated. When indicated, the Clearance Wire and Loop in the proximal end of the PleuraFlow Chest Tube can be used to remove any tube obstructions or clogging to keep the tube patent. Components of the PleuraFlow System are not compatible with other chest drainage systems. The PleuraFlow System is compatible with any chest tube in the anterior mediastinum as the majority of postoperative bleeding occurs in this location.

PRECAUTIONS

- Do not reuse. Discard after one use.
- CAUTION: Care should be taken during chest tube removal from the patient to avoid damaging the Chest Tube material. An occlusive dressing should be applied after removal.
- Apply occlusive dressing after removal.
- Do not move Clearance Wire and Loop against resistance without careful assessment of cause.
- Never move Clearance Wire and Loop against resistance without careful assessment of cause.
- Dressing Changes: Assess the dressing in the first 24 hours for accumulation of blood, fluid, or moisture beneath the dressing.
- Ensure the occlusive dressing is in place.

DURATION OF USE

- Maximum for PleuraFlow Chest Tube Use is 2 weeks.
- Maximum for Clearance Apparatus is 7 days.
- Maximum for disposable items is 7 days.
- The PleuraFlow Chest Tube and Clearance Apparatus may be used together if the Clearance Apparatus is not needed.
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TROUBLE SHOOTING

- If a flotation marker appears on the Clearance Wire and Loop, steps should be taken to dilute the10 mlNaCl
- If the PleuraFlow Chest Tube is withdrawn with the Clearance Apparatus, it may result in damage to the thoracic cavity. The chest tube should be left in place until removal is indicated.
- If the pleural cavity is still needed, but the Clearance Apparatus is not, the Clearance Apparatus can continue to be used with the chest tube in situ.
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WARNINGs

- Do not move Clearance Wire and Loop against resistance without careful assessment of cause.
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ENGLISH Instructions for Use

DESCRIPTION:

The PleuraFlow System with FlowGlide® incorporates a Clearance Apparatus intended to deobstruct and deair chest tubes used for pleural and mediastinal drainage after cardiothoracic surgery and trauma.

The primary components of the System are the PleuraFlow Chest Tube and the PleuraFlow Chest Drainage Apparatus (FIG. 1). The PleuraFlow Chest Drainage Apparatus is a disposable chest tube with FlowGlide®. It consists of a Guide Tube, a Shuttle Guide, and a Clearance Apparatus. It is composed of the PleuraFlow Chest Tubing, which is connected to the Drainage Tubing. The PleuraFlow Chest Tube is used with the PleuraFlow Chest Drainage Apparatus using a mural guidewire. The Shuttle Guide includes the magnetic wire, the shuttle guide housing, the Shuttle Guide Housing, and the Global Guide Housing. The clearance wire and Loop is advanced through the Shuttle Guide Housing by the clearance wire and Loop housing. The clearance wire and Loop is advanced through the Shuttle Guide Housing by the clearance wire and Loop housing. The clearance wire and Loop is advanced through the Shuttle Guide Housing by the clearance wire and Loop housing. The clearance wire and Loop is advanced through the Shuttle Guide Housing by the clearance wire and Loop housing. The clearance wire and Loop is advanced through the Shuttle Guide Housing by the clearance wire and Loop housing.

Inserting the PleuraFlow System

1. Inspect the PleuraFlow Chest Tube to ensure that it is not damaged and that the indicator stripe is visible. The indicator stripe is radiopaque and will aid in visualizing the chest tube intraoperatively.
2. Connect the chest tube to the chest barb, advance tubing all the way onto barb.
3. Secure the PleuraFlow Chest Tube according to standard methods.
4. Confirm tip position of the PleuraFlow Chest Tube according to institution protocol. Although the PleuraFlow Chest Tube is designed to provide a supplemental air and fluid evacuation, the Chest Tube may be directed to the appropriate position as per the institution’s protocol.
5. Connect the chest tube to the chest barb, advance tubing all the way onto barb.
6. Secure the PleuraFlow Chest Tube according to standard methods.
7. Confirm tip position of the PleuraFlow Chest Tube according to institution protocol. Although the PleuraFlow Chest Tube is designed to provide a supplemental air and fluid evacuation, the Chest Tube may be directed to the appropriate position as per the institution’s protocol.

Clearance Apparatus

- The PleuraFlow System is intended for use with PleuraFlow Chest Tubes. It is not compatible with other chest drainage systems.
- Components of the PleuraFlow System are not compatible with other chest drainage systems. The PleuraFlow System is compatible with any chest tube in the anterior mediastinum as the majority of postoperative bleeding occurs in this location.
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Troubleshooting

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- If the PleuraFlow Chest Tube is withdrawn with the Clearance Apparatus, it may result in damage to the thoracic cavity. The chest tube should be left in place until removal is indicated.
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