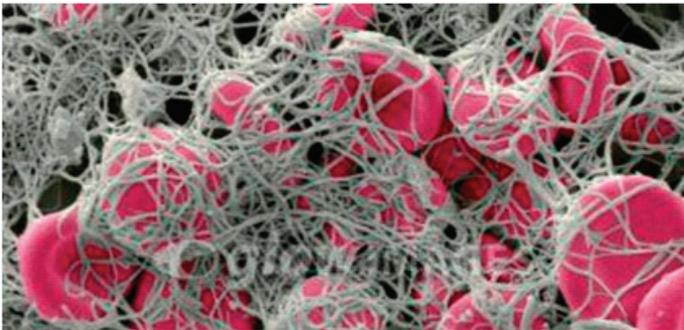


## Two Clinical Scenarios\*

# PleuraFlow<sup>®</sup> Active Tube Clearance<sup>®</sup> System

Preventing clogging in chest tubes after heart surgery

### SCENARIO #1 Post-Operative Coagulopathy



## 32 Fr PleuraFlow

For patients Prone to post-operative bleeding

### THE SITUATION

Patients referred for heart surgery are increasingly prone to post operative coagulopathic bleeding due to:

- Pre existing underlying coagulation disorders from drugs like Plavix
- Chronic advanced medical problems
- The need for more complex procedures

### THE DILEMMA

Standard chest tubes are prone to clog despite nursing attempts to keep them open with chest tube stripping/ milking. This can be problematic in the setting of on going bleeding and can increase the potential for failure to drain (FTD) in the early ICU recovery period. FTD can contribute to complications, mortality and increased hospital costs of care.

### THE SOLUTION:

The 32 Fr PleuraFlow is ideal for patients where there is expected or observed intra or post-operative bleeding due to:

#### Pre-Operative Antiplatelet therapy

Clopidogrel (Plavix), Prasugrel (Effient), Ticagrelor (Brilinta), Ticlopidine (Ticlid), Abciximab (ReoPro), Eptifibatid (Integrilin), Tirofiban (Aggrastat), Aspirin

#### Pre-Operative Anticoagulants

Coumadin/Warfarin, Low Molecular Weight Heparin, Dabigatran (Pradaxa), Rivaroxaban, Hirudin and other direct thrombin inhibitors

#### Coagulopathy following complex procedures:

Reoperative procedures, VADs, aneurysms, aortic dissections, combined procedures

#### Other contributors to coagulopathy:

Patients who have been in shock, requirements for long cardiopulmonary bypass runs, hypothermia, acidosis

### ADVANTAGE:

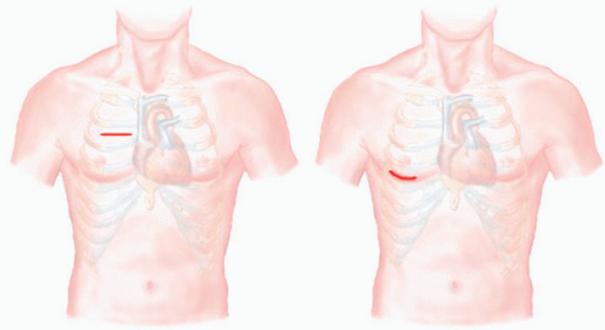
Active Tube Clearance helps keep the tubes open (KTO) during the management of early postoperative bleeding while the coagulation defect is addressed and the patient recovered in the ICU.

\* Post-op bleeding in these scenarios may be eligible for additional reimbursement.

# Clearing the Pathway to Recovery



## SCENARIO #2 Minimally-Invasive Heart Surgery



### 20 Fr PleuraFlow

For minimally invasive heart surgery

#### THE SITUATION

There is an increasing demand for minimally-invasive heart surgery procedures.

#### THE DILEMMA

Large diameter chest tubes are more painful and invasive, and small diameter chest tubes and drains are more prone to clogging.

#### THE SOLUTION:

The 20 Fr PleuraFlow is ideal when surgeons want to select smaller diameter chest tubes for cases such as:

- Ministernotomy and minithoracotomy valve replacements and repairs,
- Off pump and endoscopic CABG procedures
- Robotic Assisted Procedures
- Thoracoscopic Atrial Fibrillation Procedures
- Minimally-invasive ASD repairs
- Transapical TAVI

#### ADVANTAGE:

Active Tube Clearance helps keep small diameter chest tubes open during the early post operative period.

## About PleuraFlow®

### ACTIVE TUBE CLEARANCE® SYSTEM

The PleuraFlow® Active Tube Clearance® System addresses the problem of chest tube clogging in the ICU. PleuraFlow® was developed to keep chest tubes free of clot in order to maximize drainage and minimize drainage-related complications. PleuraFlow® is an award-winning, FDA-cleared system that aims to reduce costs associated with post-surgical complications and improve patient outcomes. For more information about PleuraFlow®, or to schedule a demonstration, please visit [www.ClearCatheter.com](http://www.ClearCatheter.com) or call (541) 382-2533.



Version 3.26.2012