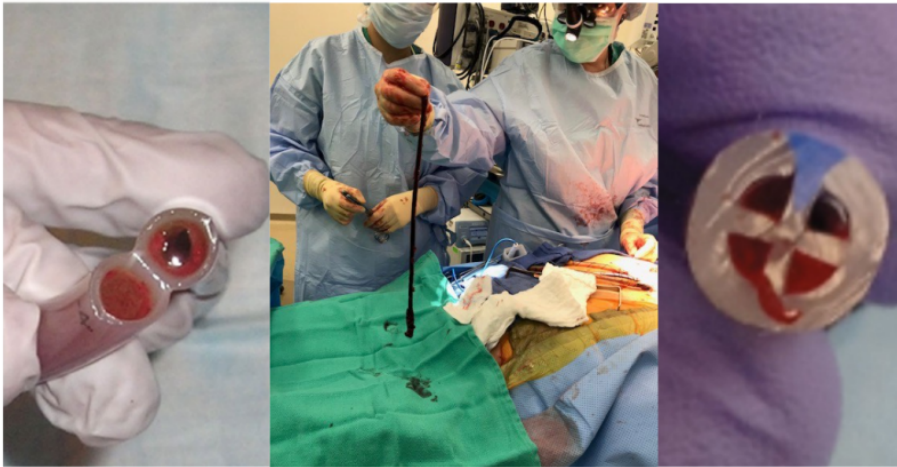


# RECOVERY IS BEAUTIFUL<sup>®</sup>

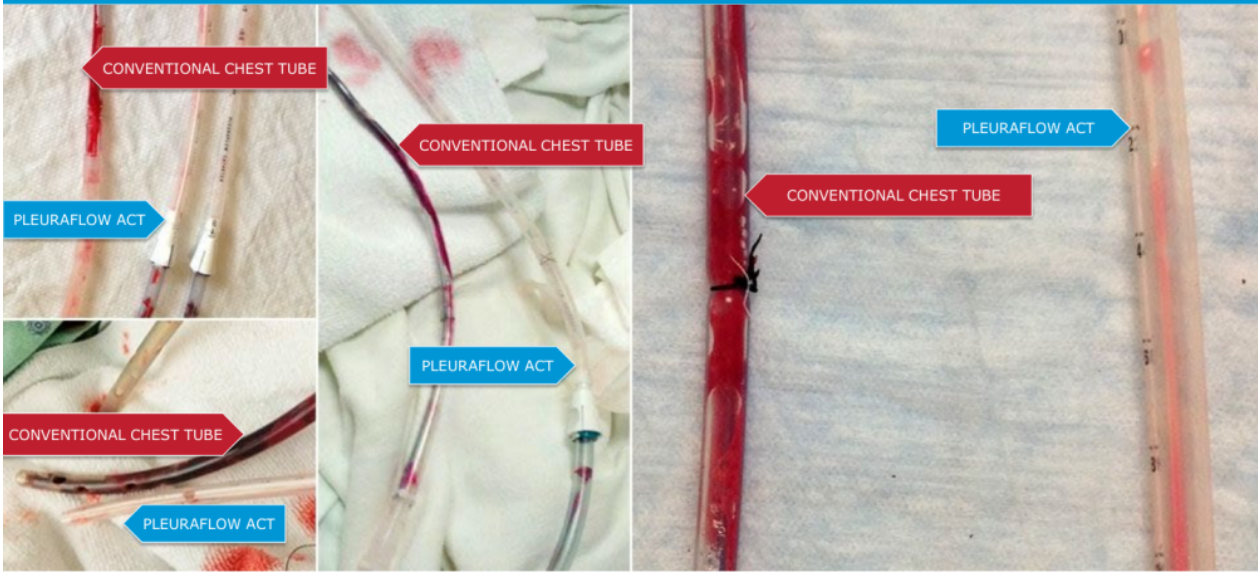
PleuraFlow Active Clearance Technology (ACT)  
OR Training

TN116-A

## CHEST TUBES CLOGGING – A FAMILIAR PROBLEM



# PLEURAFLOW ACT MAINTAINS CHEST TUBE PATENCY



Find a partner & locate training materials

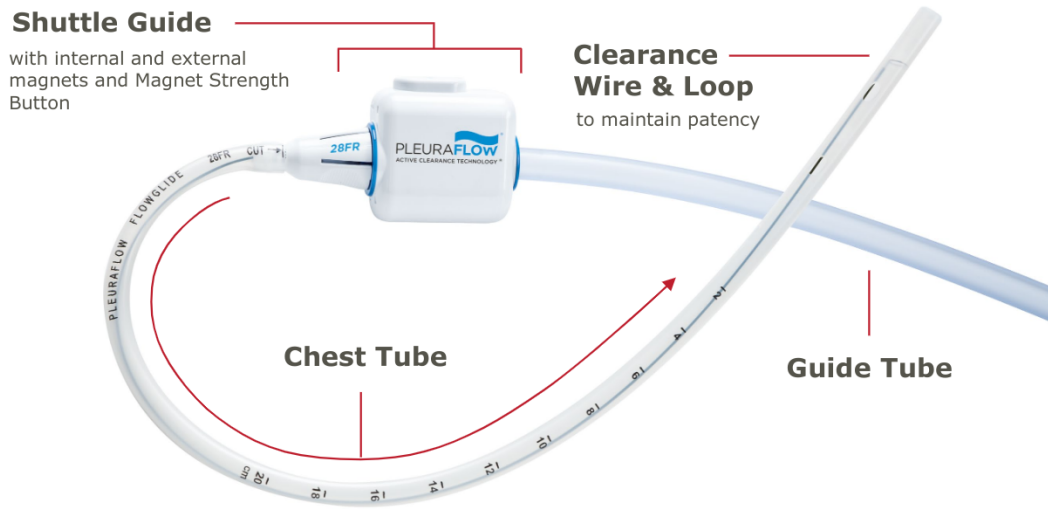


# SYSTEM & COMPONENTS



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## THE PLEURAFLOW ACTIVE CLEARANCE SYSTEM

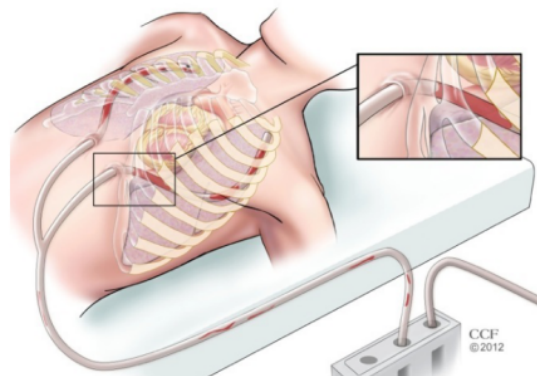


# PleuraFlow System Overview

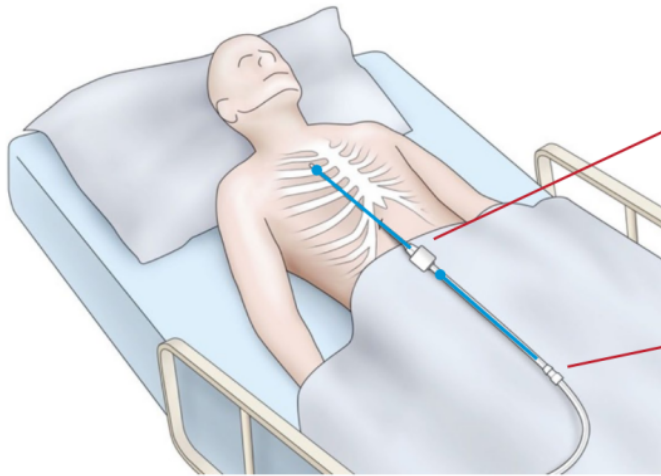


## STANDARD CHEST TUBE PLACEMENT METHODS

Pleural or mediastinal placement is performed according to standard methods



# PLEURAFLOW SYSTEM IN USE

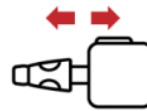


## Proximal End – Parked Position



Closest to **P**atient  
Clearance **W**ire & **L**oop  
are inside **C**hest **T**ube

## Distal End – Withdrawn Position



Farthest from Patient  
Clearance **W**ire & **L**oop  
are inside **G**uide **T**ube

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# AVAILABLE IN VARIOUS SIZES & CONFIGURATIONS



## Straight

20, 24, 28, 32 FR



## Right Angle (RA)

24, 28, 32 FR



## Long (XDL)





20, 24 FR

As with selection and placement of any chest tube, care must be taken to ensure that the tube drainage eyelets remain contained within the chest cavity for the duration of application.

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## IMPORTANT TO KNOW!

-  The PleuraFlow System is **ONLY** compatible with the PleuraFlow Chest Tube (included in package)
-  The PleuraFlow Guide Tube and Chest Tube cannot be mismatched
-  The system connects to any drainage canister
-  The system is **NOT** MRI compatible

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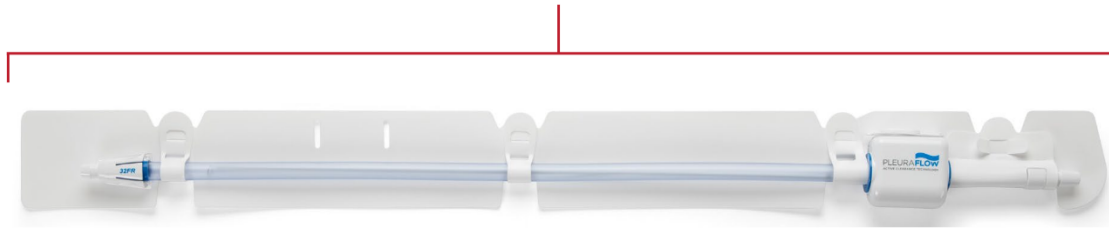


## SYSTEM FUNCTION & USE

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PleuraFlow Active Clearance **Guide Tube**



PleuraFlow **Chest Tube**

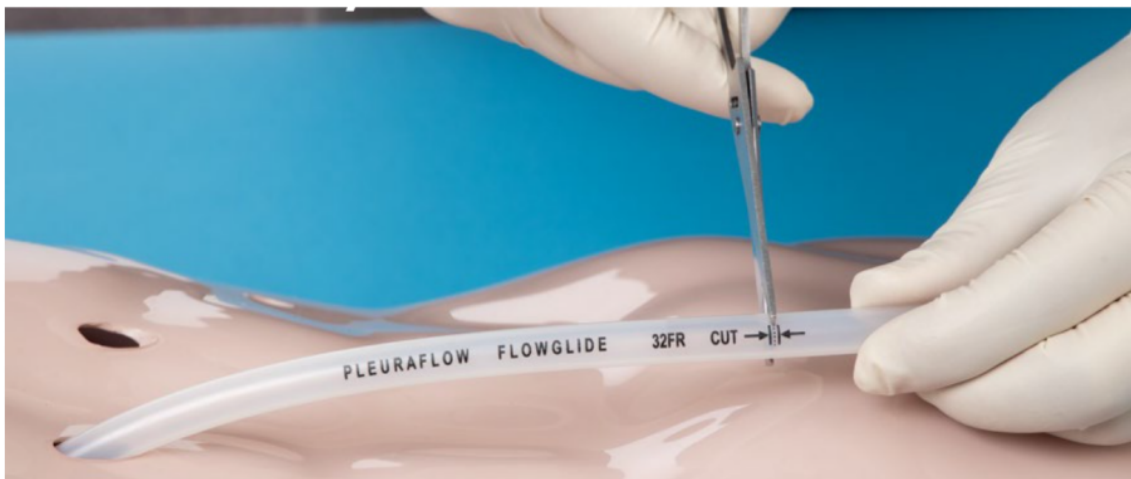


**Initial Magnet Engagement**



## EXERCISE

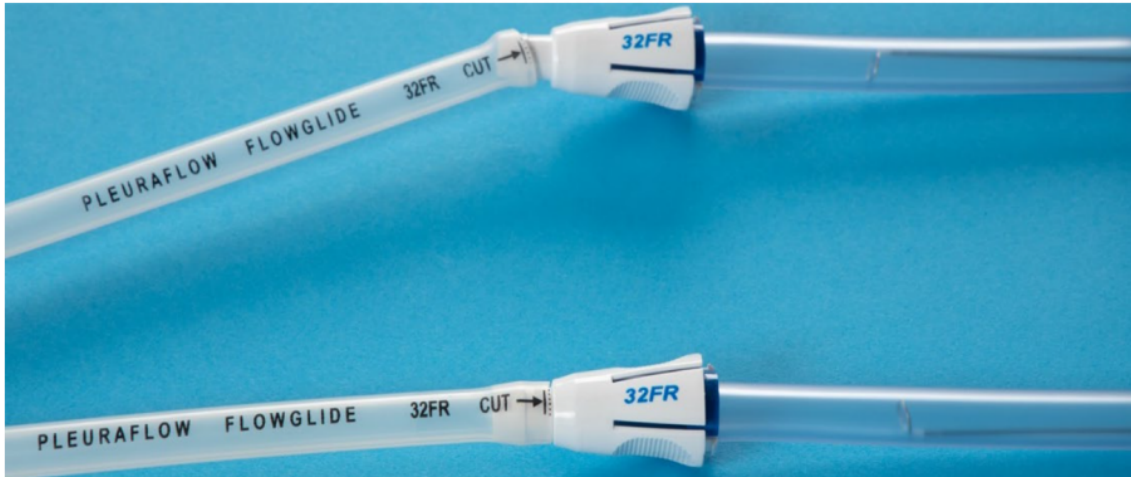
# ASSEMBLE THE SYSTEM



Once the Chest Tube has been placed, cut the Chest Tube.  
**ALWAYS** cut at the **cut line**. Never shorter.







Next, connect Chest Tube to proximal end of Guide Tube.  
Ensure **straight & flush connection**.

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Move Clearance Wire & Loop into Parked Position.  
Ensure **a slow and steady motion**.

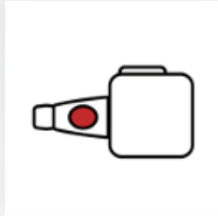
18



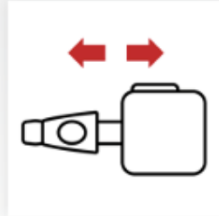
# S-W-A-P



**S**queeze



**W**ithdraw



**A**ssess



**P**ark



**EXERCISE**

## ACTUATE THE DEVICE





### Magnetic Safety Release – Decoupling

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## Magnetic Safety Release - Decoupling



EXERCISE

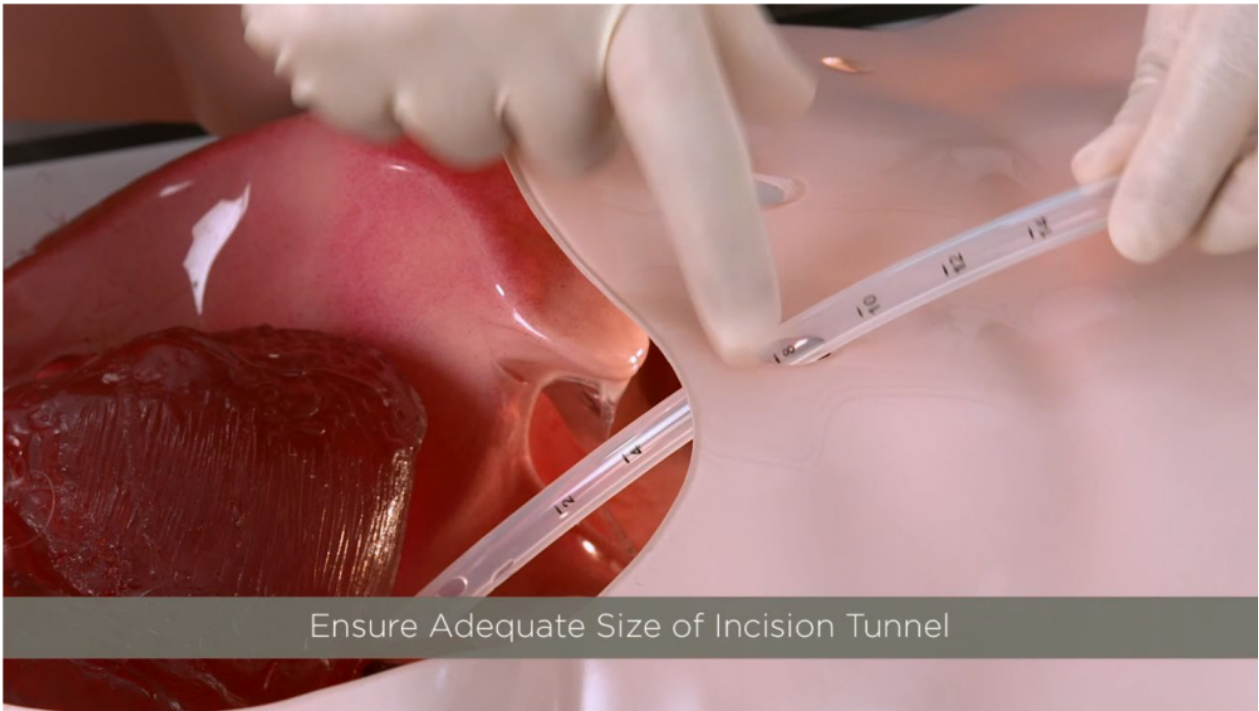
# MAGNETIC SAFETY RELEASE - DECOUPLING



## MAGNETIC SAFETY RELEASE - DECOUPLING COMMON CAUSES IN THE OR

- |   |  |  |
|---|--|--|
| 1 |  | <b>Incision site too small</b> - constricting the chest tube |
| 2 |  | <b>Suture is too tight</b> - constricting the chest tube     |
| 3 |  | <b>Kinks or bends</b> - obstructing Clearance Wire movement  |
| 4 |  | <b>Actuating too rapidly (most common cause)</b>             |





# Testing an Actuation in the OR



## OR RECOMMENDED ACTUATION SCHEDULE

Phase	Recommended Timing
Prior to chest closure	Confirm initial advancement into Parked Position
Prior to ICU transfer <small>once PleuraFlow System is connected to drainage canister and suction</small>	Every 15 minutes
	Once prior to leaving the OR

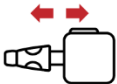



\* This should be repeated as necessary to keep the tube patent and free of any occlusions.



# Magnet Strength Button






## BEFORE LEAVING THE OPERATING ROOM

-  Actuate one last time
-  Leave Shuttle Guide in **Parked Position**
-  Alert ICU about PleuraFlow placement and last actuation time
-  Communicate any Magnetic Safety Release – Decoupling issues



## ADDITIONAL CONSIDERATIONS


 <p><b>SILICONE INTOLERANT</b></p>	<p>Contraindicated for patients with a history of intolerance to implantable silicone materials</p>		<p>Do not place the Shuttle Guide within 15 cm (6 inches) of an implanted pulse generator such as pacemakers or implanted defibrillators</p>
	<p>The PleuraFlow System is <b>NOT</b> MRI Compatible</p>	<p><b>LATEX FREE</b></p>	<p>The PleuraFlow System is Latex Free</p>

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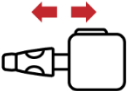


## PLEURAFLOW SYSTEM – OR KEY TAKEAWAYS


- 1




Always cut on the Cut Line
- 2



Confirm advancement of Clearance Wire & Loop and actuate every 15 minutes
- 3



Leave in Parked Position prior to leaving OR
- 4



Inform the ICU about PleuraFlow placement

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