

3M PICC/CVC Dressing



Application and FAQs in CCTC

How is this dressing different from our standard CHG dressing?

- Each dressing package includes both a transparent dressing AND securement device
- The dressing and securement device must be used together
- The new dressing is Tegaderm IV Advanced™ versus standard Tegaderm™

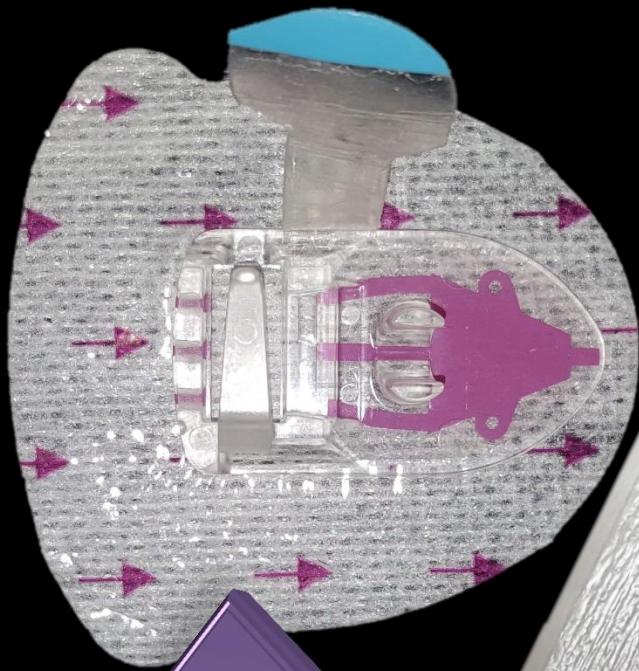
Package contains both the CGH dressing AND
securement device



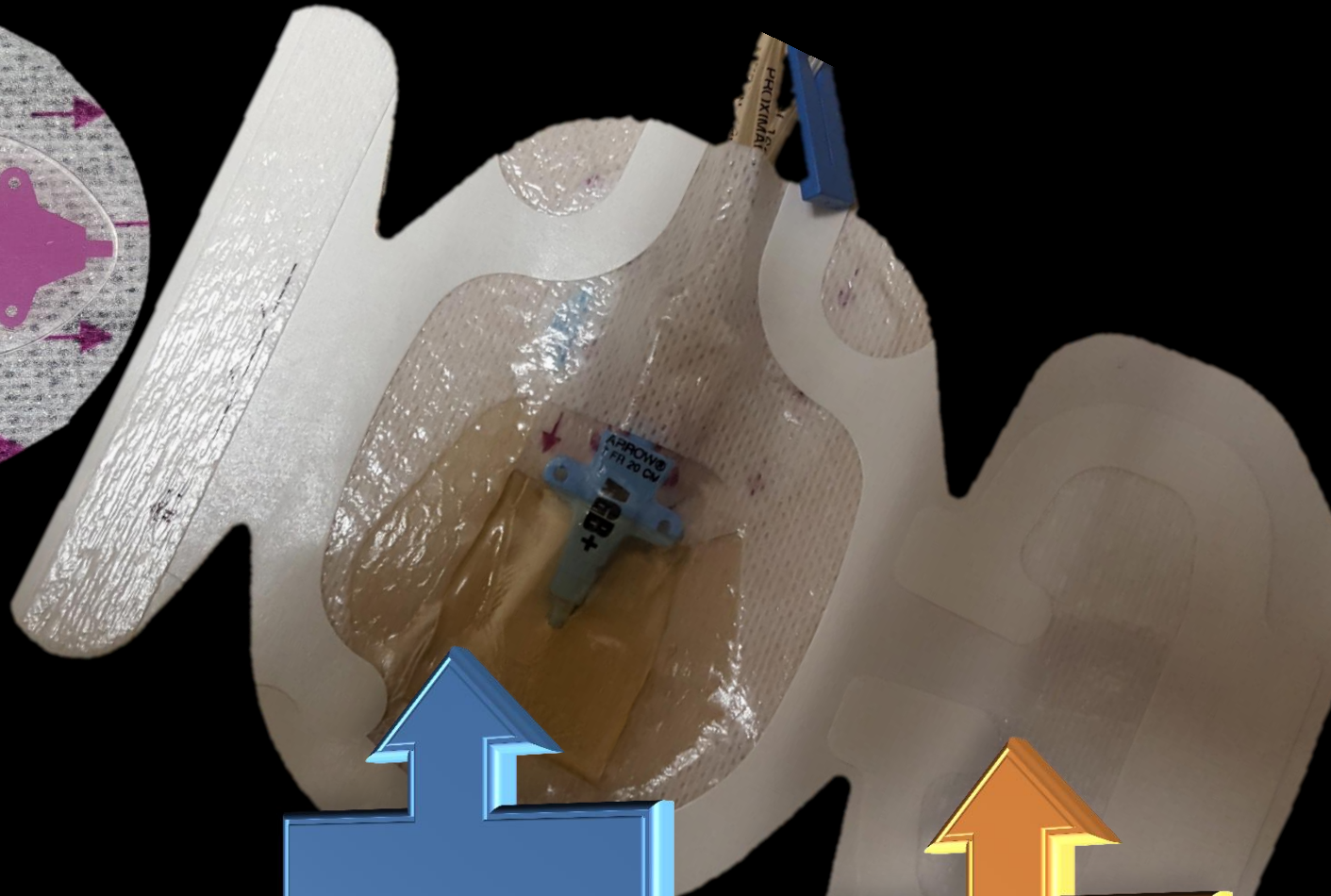
What holds the catheter in place?

There are 3 components that hold the catheter in place; all 3 must be used:

1. Securement device
2. Tegaderm IV Advanced Dressing TM
3. Notched “U-shaped” securement strip



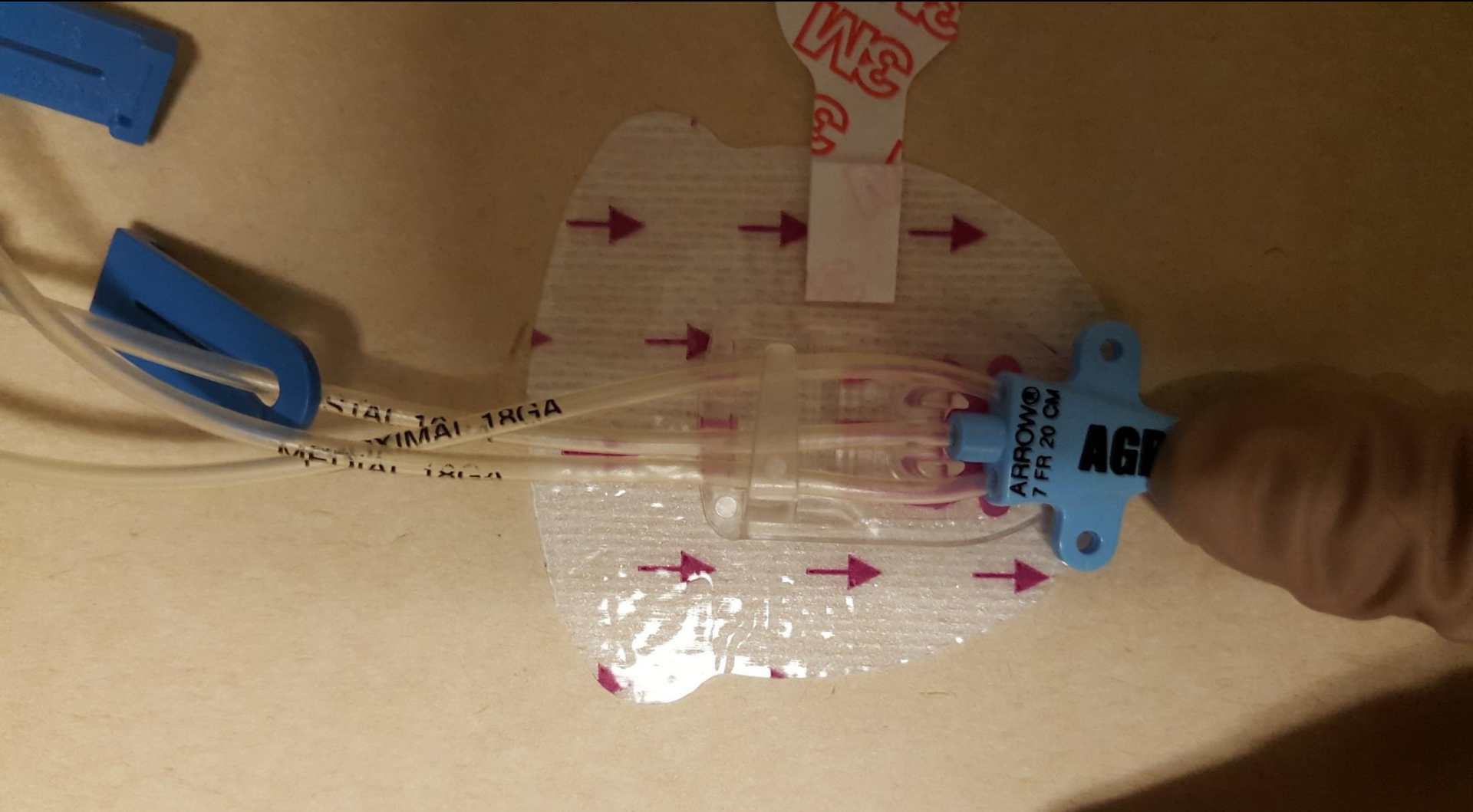
**Securement
Device**



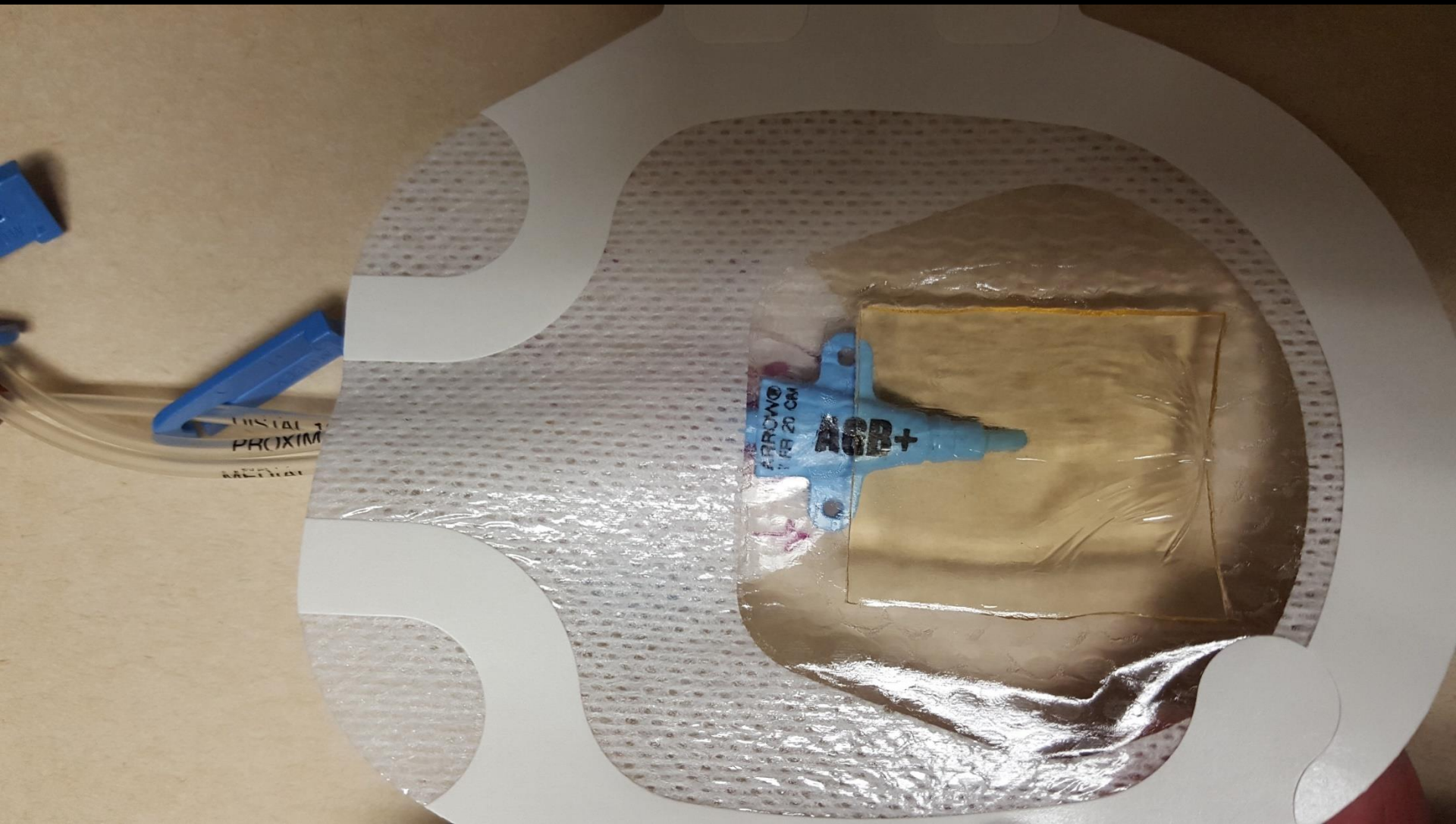
Dressing

**U-Shaped
Securement
Tape**

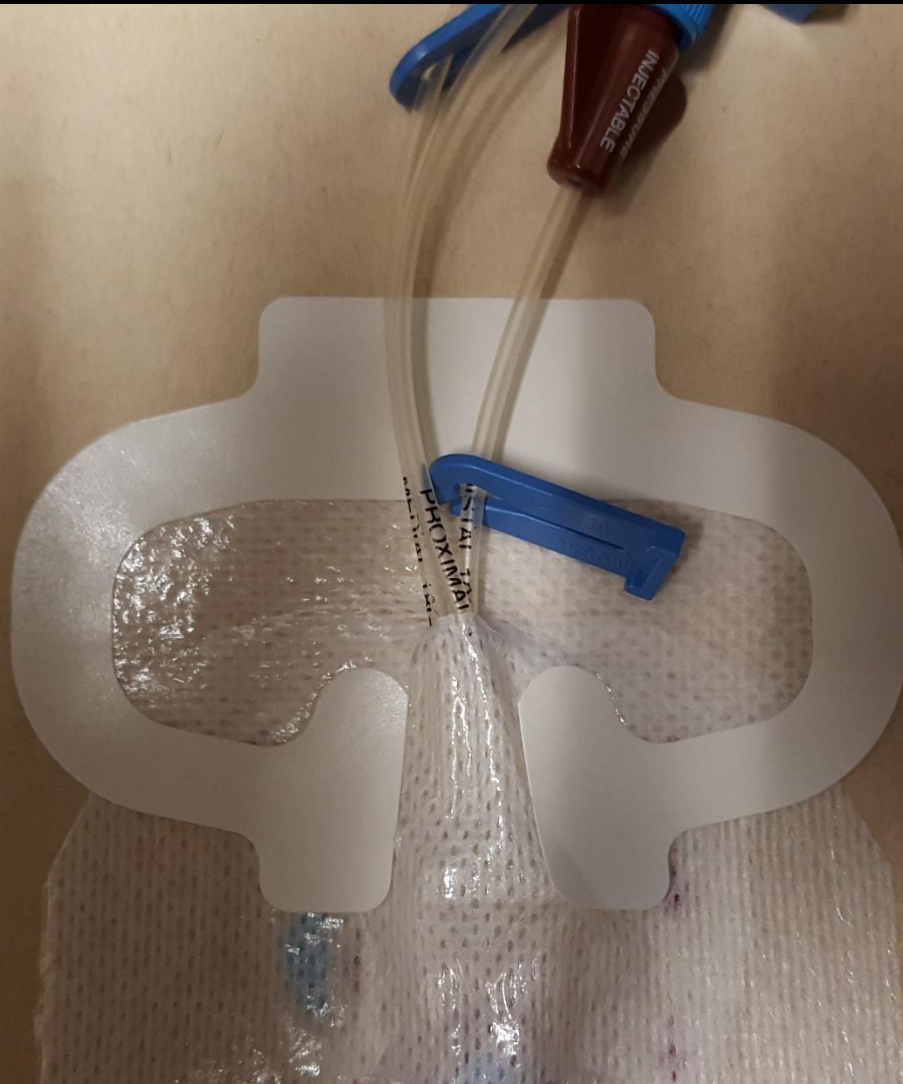
1. Securement device anchors catheter hub and IV lumens



2. Tegaderm IV Advanced™ is placed over catheter insertion site and securement device



3. U-shaped securement tape augments catheter adhesion to securement device.



How is Tegaderm IV Advanced™ CHG different than Tegaderm CHG?

- Both have CHG gel pad
- Tegaderm IV Advanced™ is reported to have better adhesive properties and improved breathability over standard Tegaderm

Upon close inspection the film has a different appearance

Standard Tegaderm™

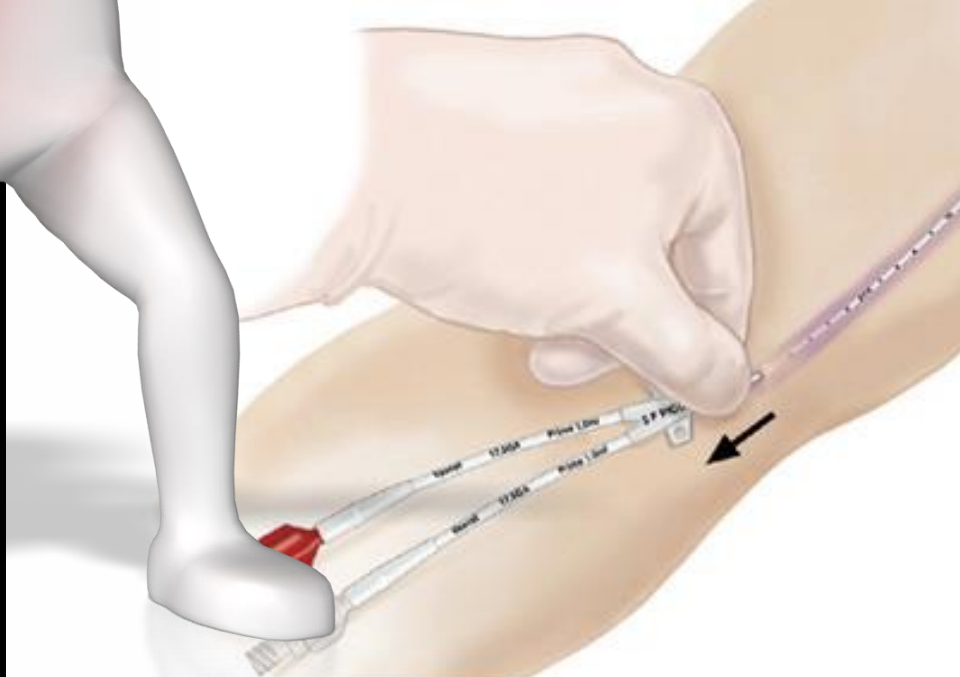
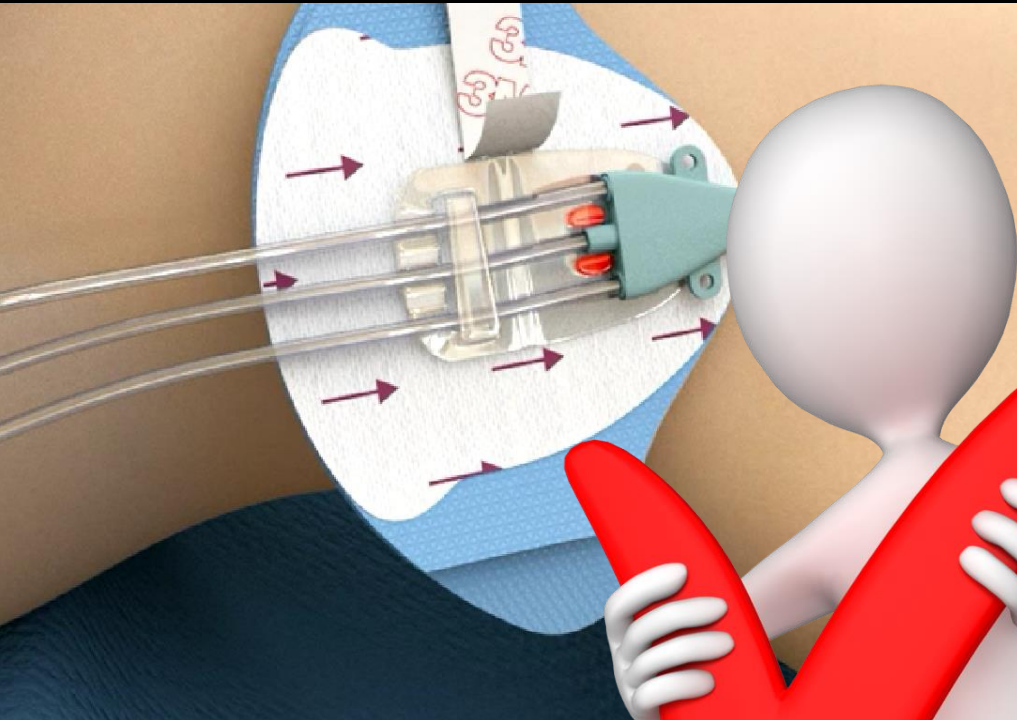


Tegaderm IV Advanced™



On what lines can this dressing be used?

1. PICC lines (in place of current securement device)
2. Any **UNSUTURED** double or triple lumen Central Venous Catheter (IJ, SC or femoral)



On what type of line is this dressing contraindicated?

- Catheters too large to fit into securement device (such as hemodialysis and introducer catheters)
- Devices that do not fit design of securement device (arterial and peripheral lines)

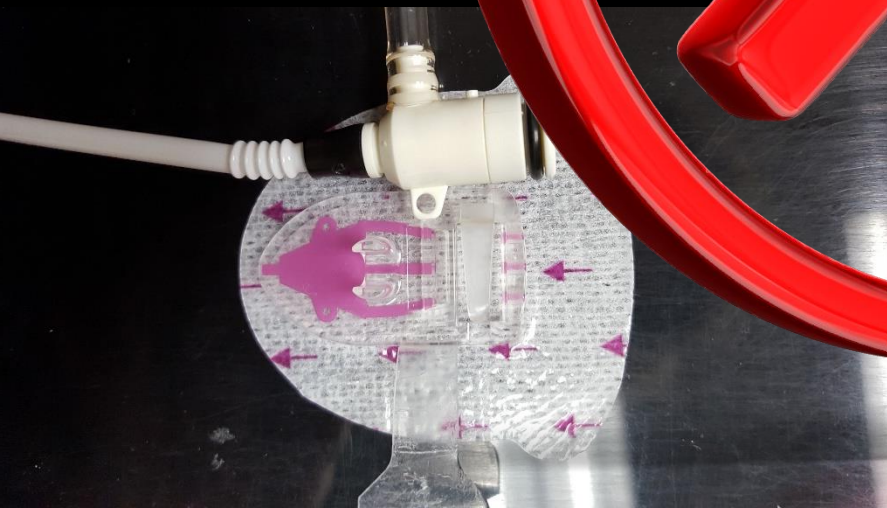
Arterial Line



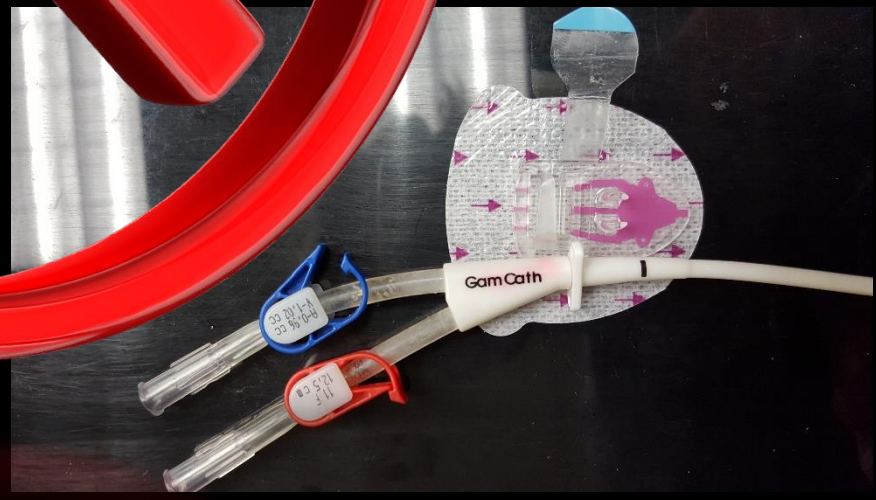
Peripheral Line



Introducer Catheter

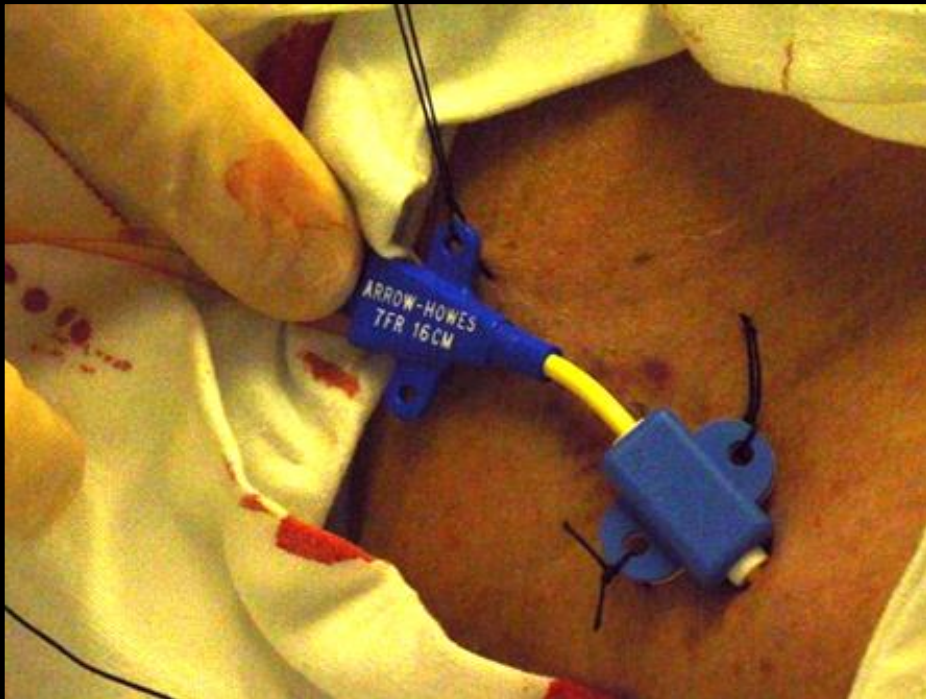


Hemodialysis Line



Why are we trying this dressing?

1. There is some research evidence and significant expert opinion that suture-less line securement may reduce central line infection
2. Securement devices may reduce catheter movement, an important risk factor for CLI
3. Catheter dislodgement appears to be more difficult with securement devices vs sutures
4. CHG containing dressings reduce the incidence of CLI in clinical trials



Sutures may not prevent catheter movement or maintain catheter alignment. Sutures can be dislodged with less tensile strength than required to disrupt a securement device.

Catheter movement can lead to inflammation at the insertion site. Bacteria can be drawn into the insertion tract during catheter movement.

Sutures can be uncomfortable for the patient.

Sutures may become inflamed or infected.



How to apply Tegaderm IV Advanced™ Securement Device and Dressing

Assess your patient's ability to remain calm and tolerate positioning prior to starting.

Determine need for analgesia/sedation or whether an assistant is needed for safety (to maintain sterile field and/or catheter placement if patient behaviour is unpredictable or catheter is in an awkward location).

Reminder of LHSC Procedure for Arterial and Central Venous Dressing Change

Collect supplies:

- Arterial and Central Venous Dressing Change tray

PLUS

- Sterile gloves
- CHG Dressing (IV Advanced Securement Dressing)
- Cavilon™ skin prep
- Syringe filled with sterile saline to facilitate removal of old dressing or extra CHG swabstick
- Tape to temporarily secure catheter lumens during securement device exchange



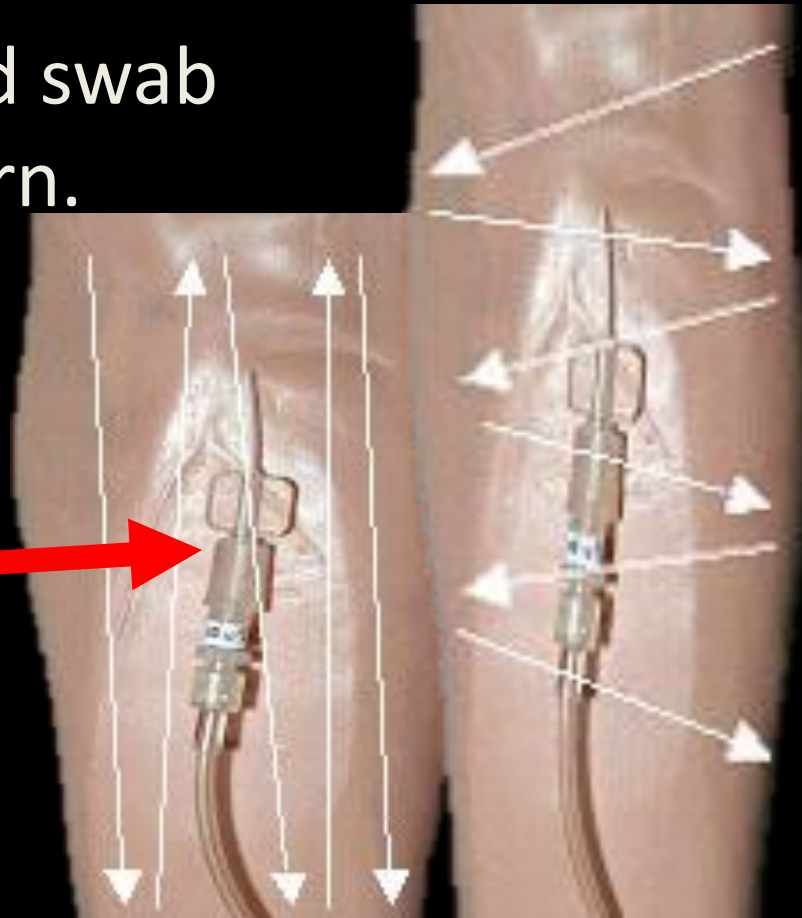
Follow LHSC Procedure for Arterial and Central Line Dressing Changes

- Apply 4 moments of hand hygiene
- Don cap, gown and mask with face shield (included in dressing tray)
- Prepare tray aseptically. Use transfer forceps to add sterile supplies
- Wear non-sterile gloves to remove old dressing
- Perform hand hygiene, then don sterile gloves for dressing change

Prep Skin



1. Scrub using an up and down pattern with one 2% chlorhexidine and alcohol 70% swabstick.
2. Repeat scrub with second swab using a side to side pattern.
3. Scrub top and under-surface of exposed catheter and catheter hub.





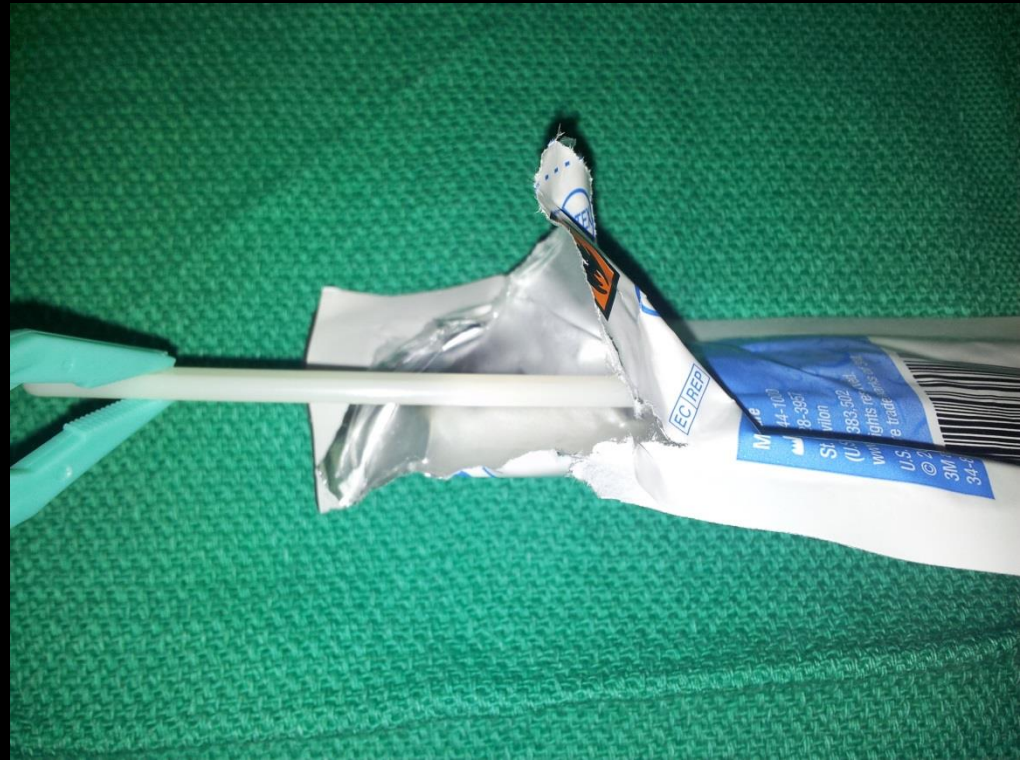
Inadequate dry time is the most common cause for skin irritation or dermatitis.

Inadequate dry time impairs dressing adhesion.

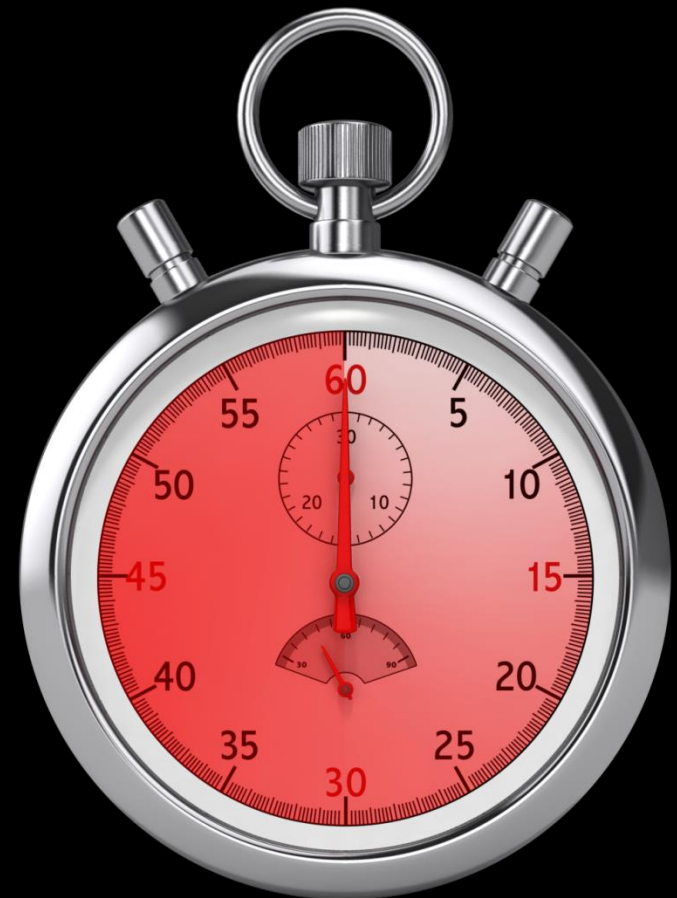
- Cavilon™ is not included in the dressing change tray; it is located in the bottom left hand box of the end of Bay HMMS cart
- Use for all central venous and arterial line dressings to protect the skin and to enhance adhesion
- Remind resident to use for initial dressing; these will be added to the line cart next week
- The few extra minutes can save you a lot of frustration later on



- When preparing sterile tray, open the top of the package and partially remove the Cavilon™ from the package using the transfer forceps
- Position to the Cavilon™ package to the edge of your tray so that you can access the swab without contaminating your sterile field
- Keep the swab end in the package till ready to use as it dries out quickly



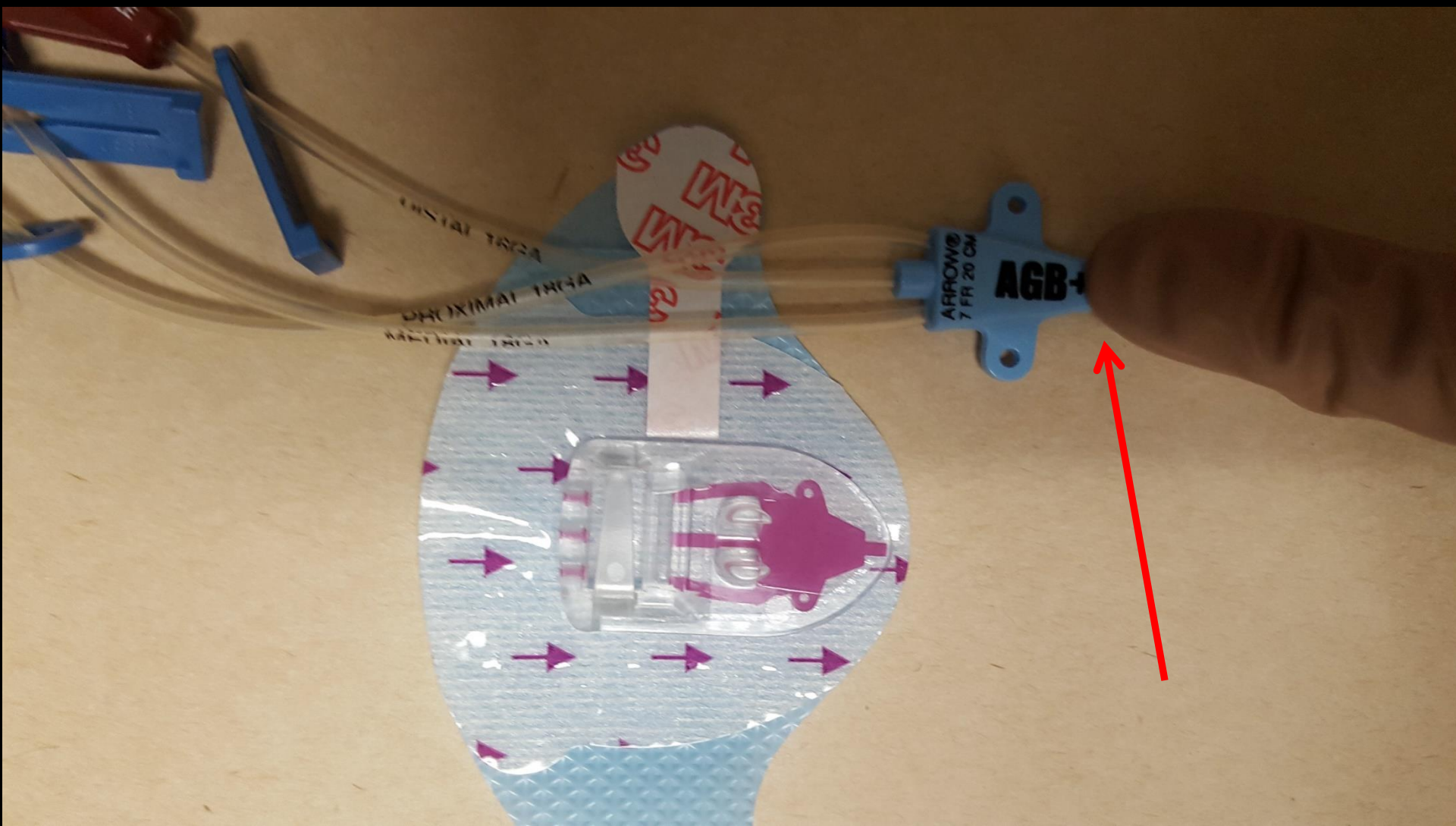
- Prep entire area under dressing zone with Cavilon™ to protect skin/enhance adhesion
- Include area where securement device and securement adhesive strip will go
- **Avoid** area where CHG gel pad will be applied (may cause skin burn)
- Allow ONE minute dry time



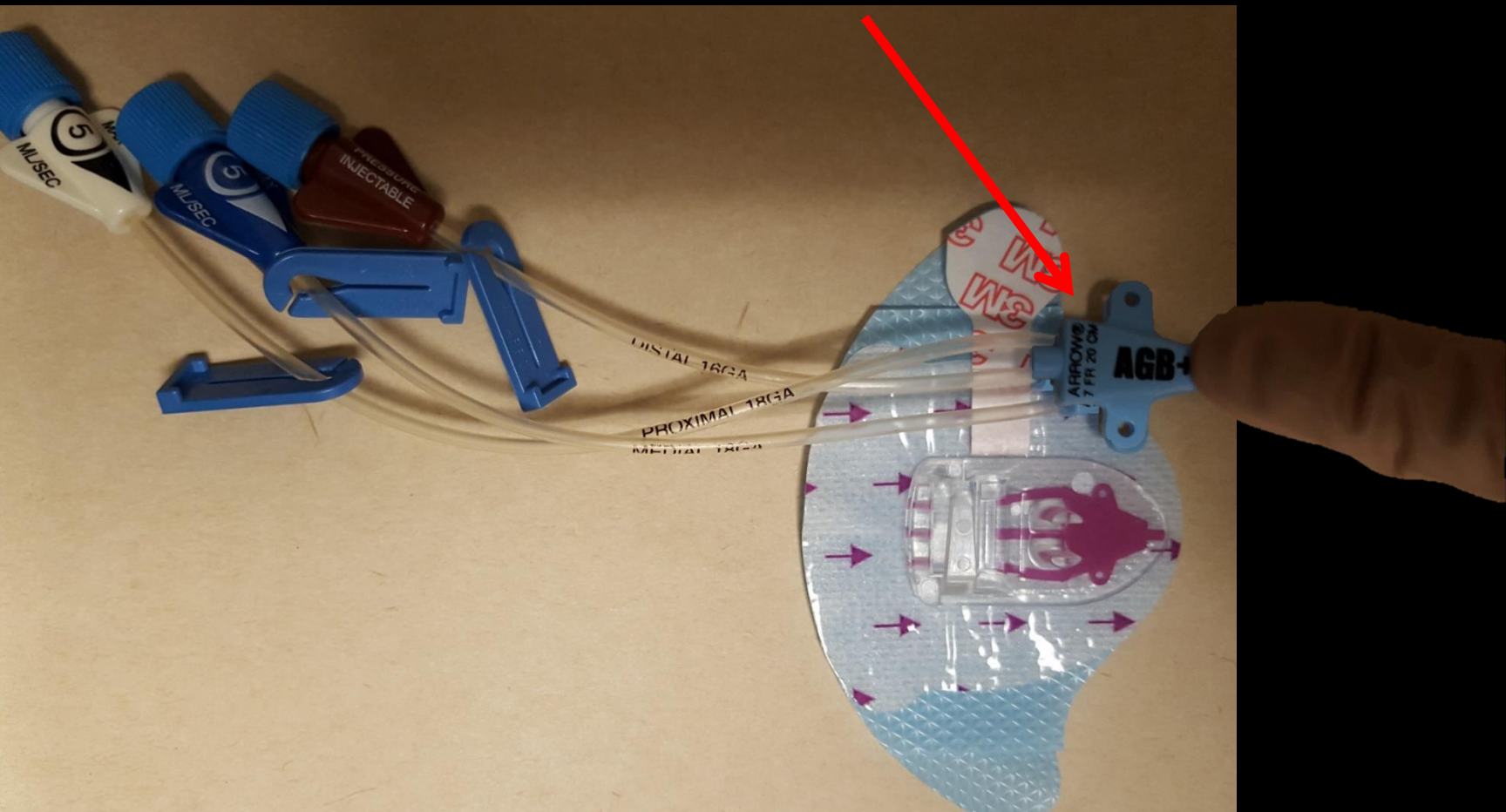
How to apply Tegaderm IV Advanced™ Securement Device and Dressing

(what is different from the usual
dressing)

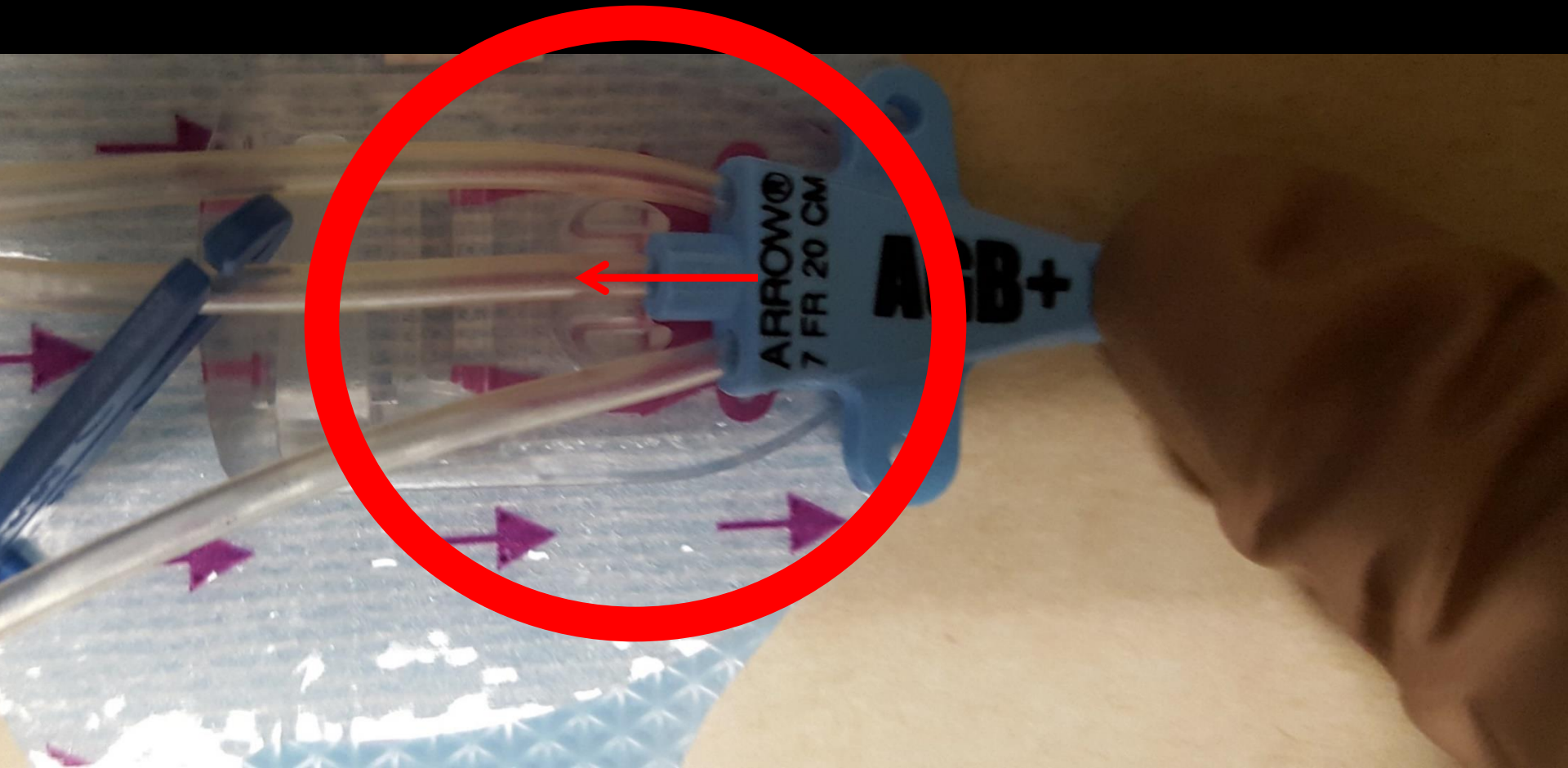
1. Firmly secure the catheter at the insertion site with a sterile gloved finger until securement device has been applied.



2. Position securement device under catheter hub to match direction of purple template. Arrows point toward insertion site. You will need to lift the hub up to make sure the securement device is positioned high enough for proper positioning.



3. Place single, double or triple lumen catheter ($\leq 10F$ diameter) into device track. Position hub of middle lumen (or one hub of double lumen PICC) through clear plastic edges of tract. Arrange other lumens along the outside as shown.



Position the securement device so that the printed information is facing up.

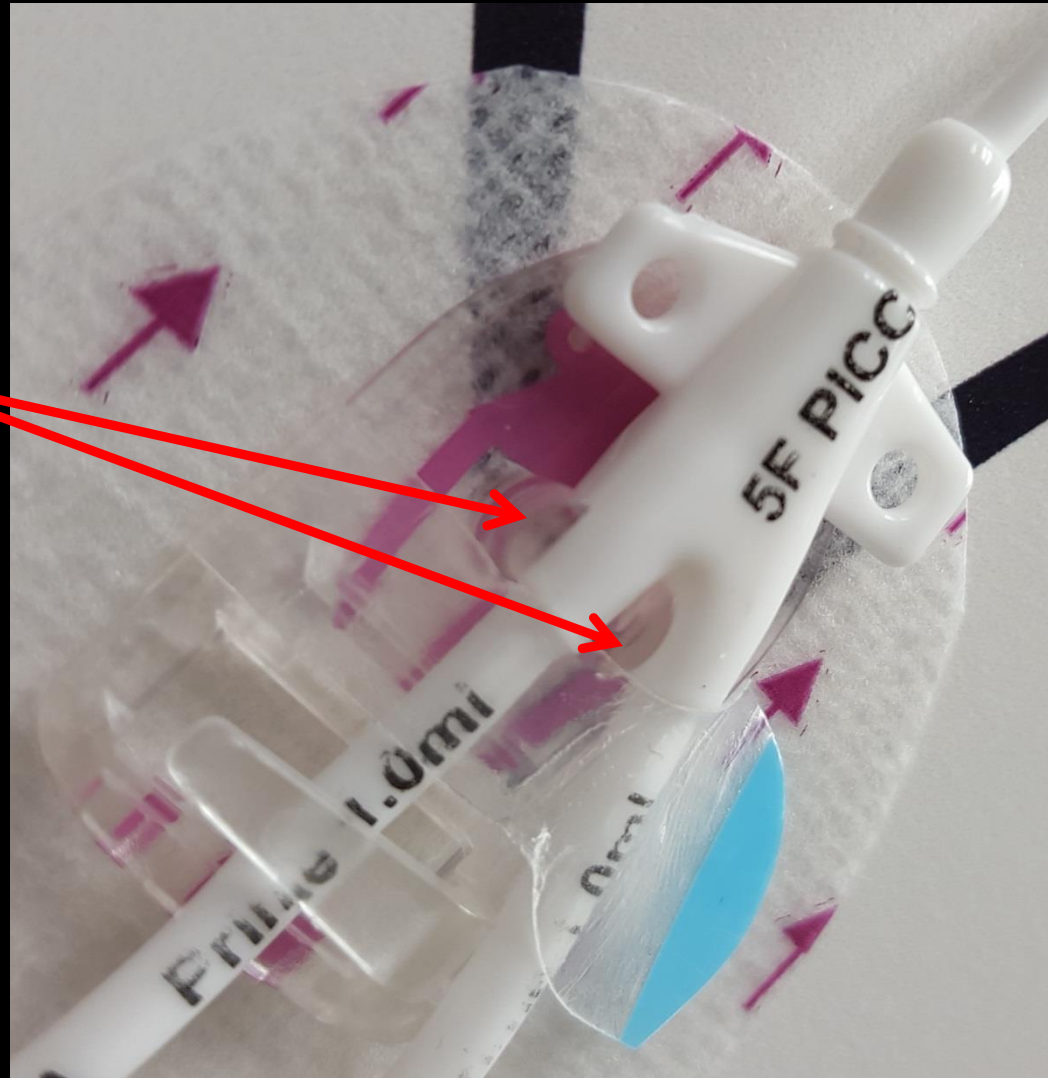
Ensure that the blue plastic hub of the centre lumen is firmly seated into the tract as shown here (not just the lumen tubing). The remaining lumens are positioned to the outside.

Position the blue hub in between the clear plastic edges of the tract.

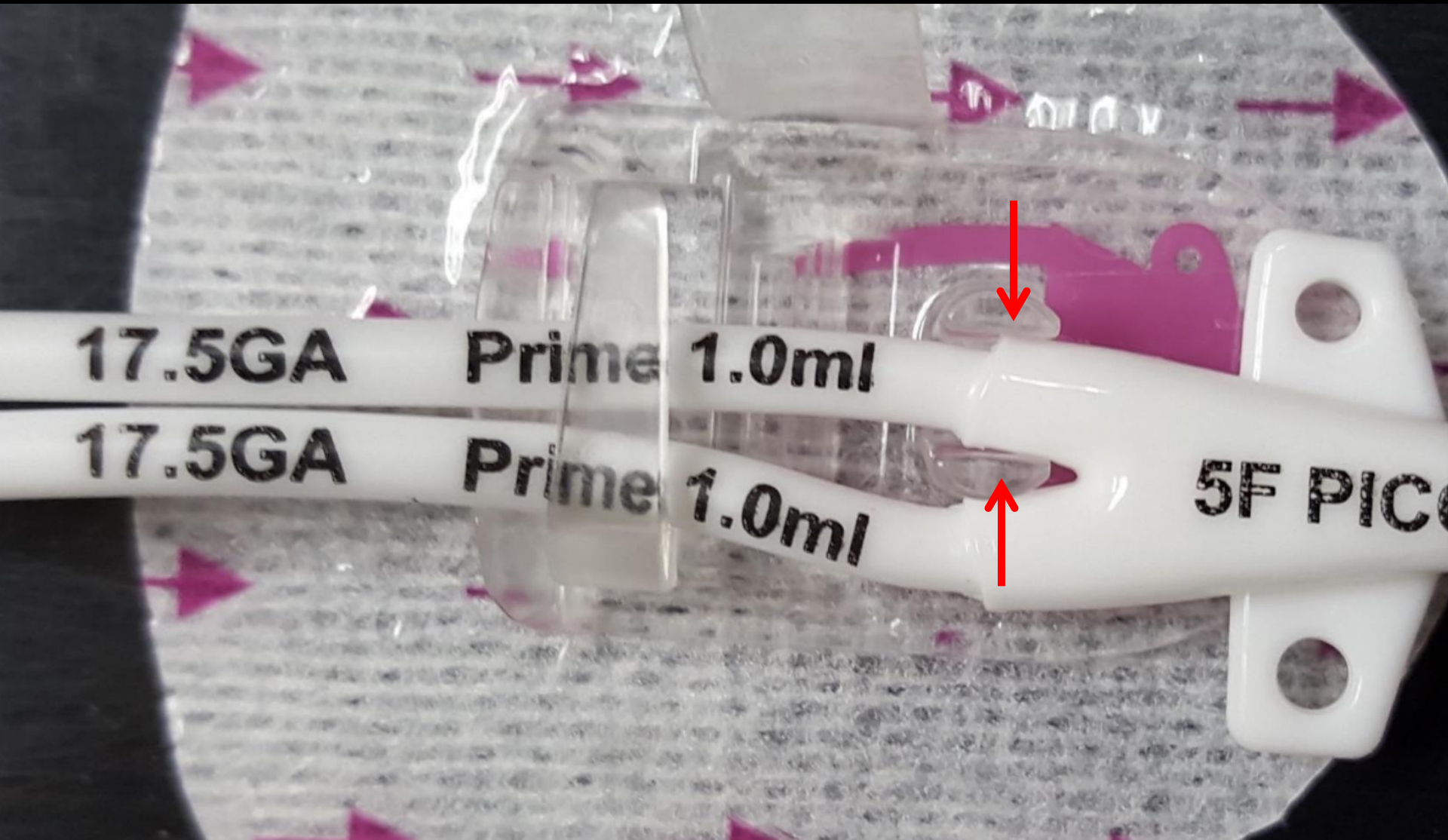


For a PICC line, place the hub for one lumen into the tract and arrange the other lumen(s) to the outside.

Position one hub (the wider part before the lumen begins) in between the clear plastic edges of the tract.



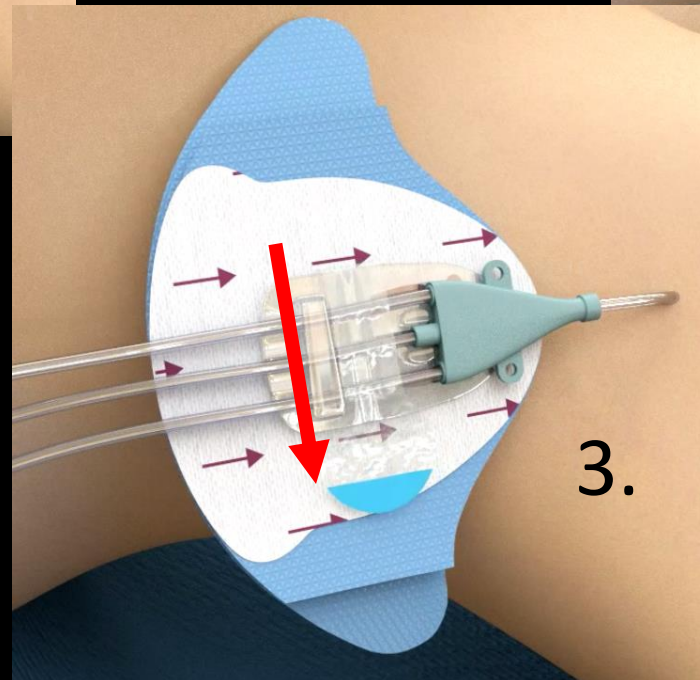
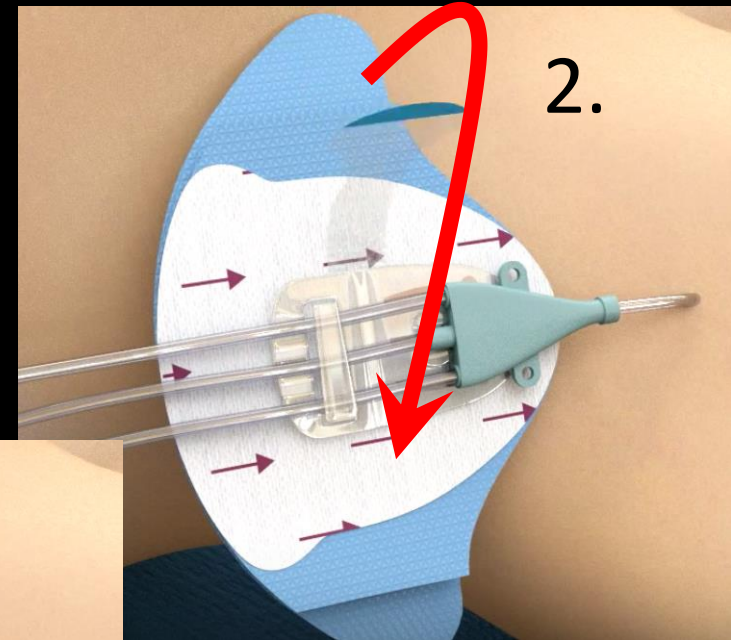
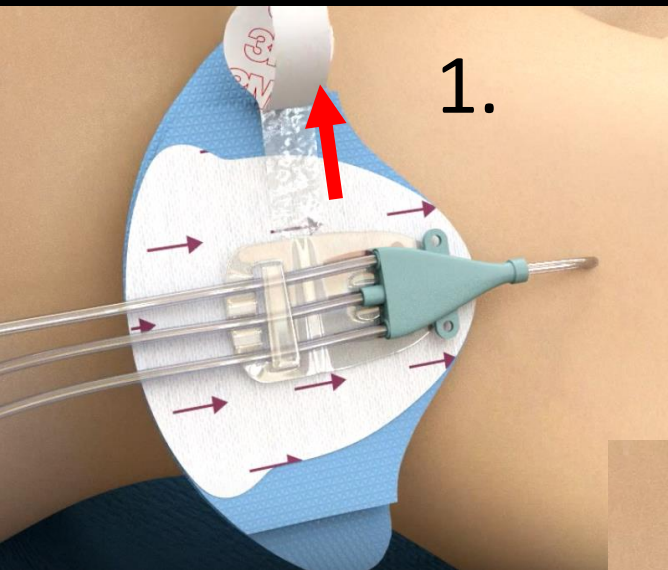
Example of PICC placement with one lumen in centre and one along side of track.



4. Weave catheter lumens through plastic arms as shown.



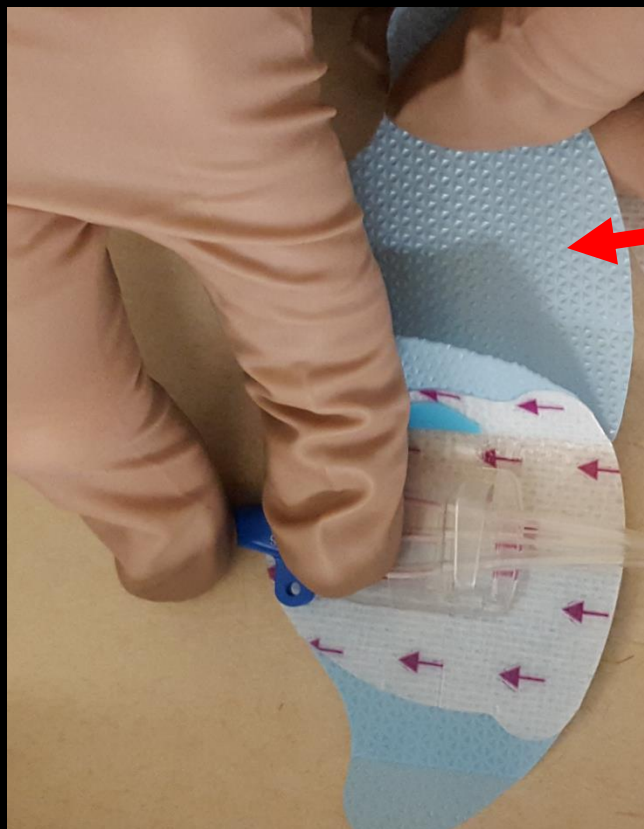
5. Peel off backing of tape strip and secure lumens as shown.



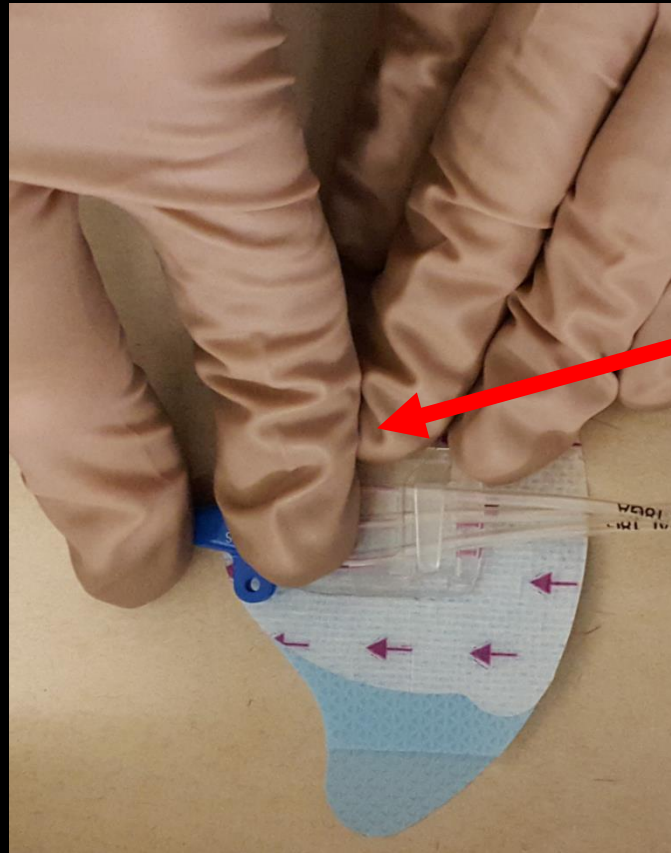
Adhesive strip secured in place



6. While securing insertion site, remove adhesive backing one side at a time.



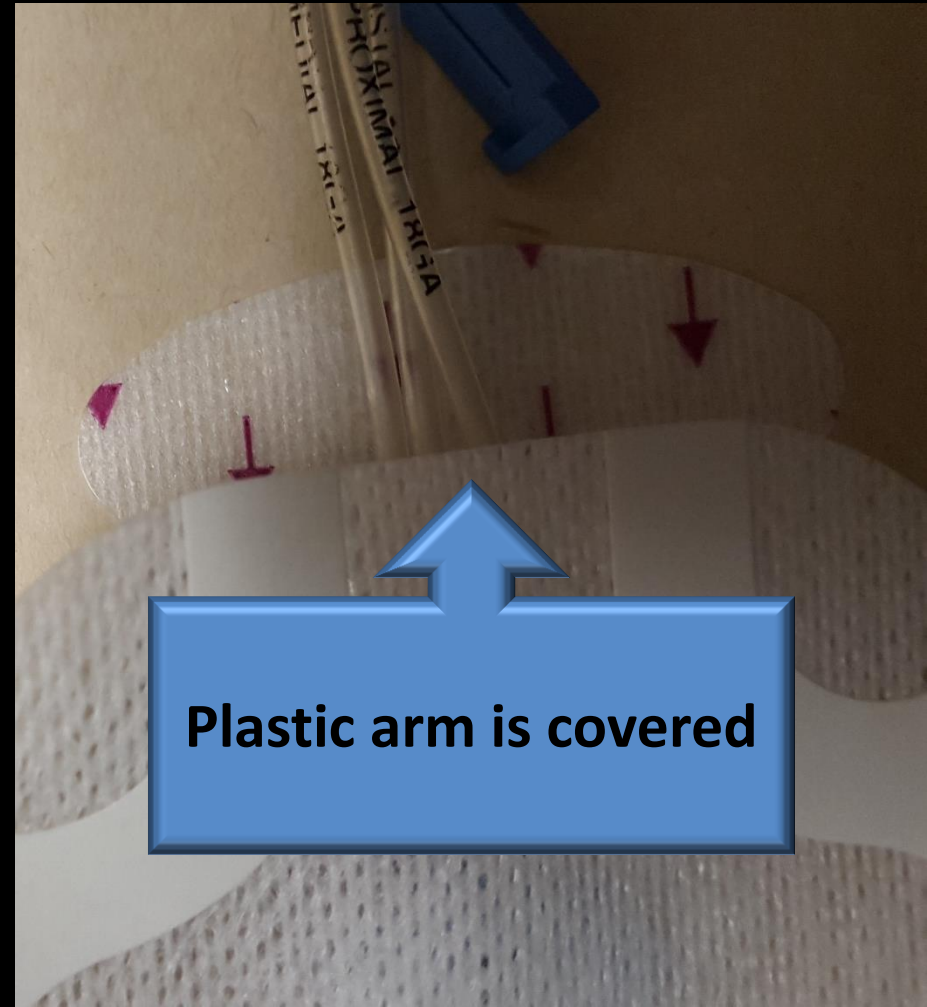
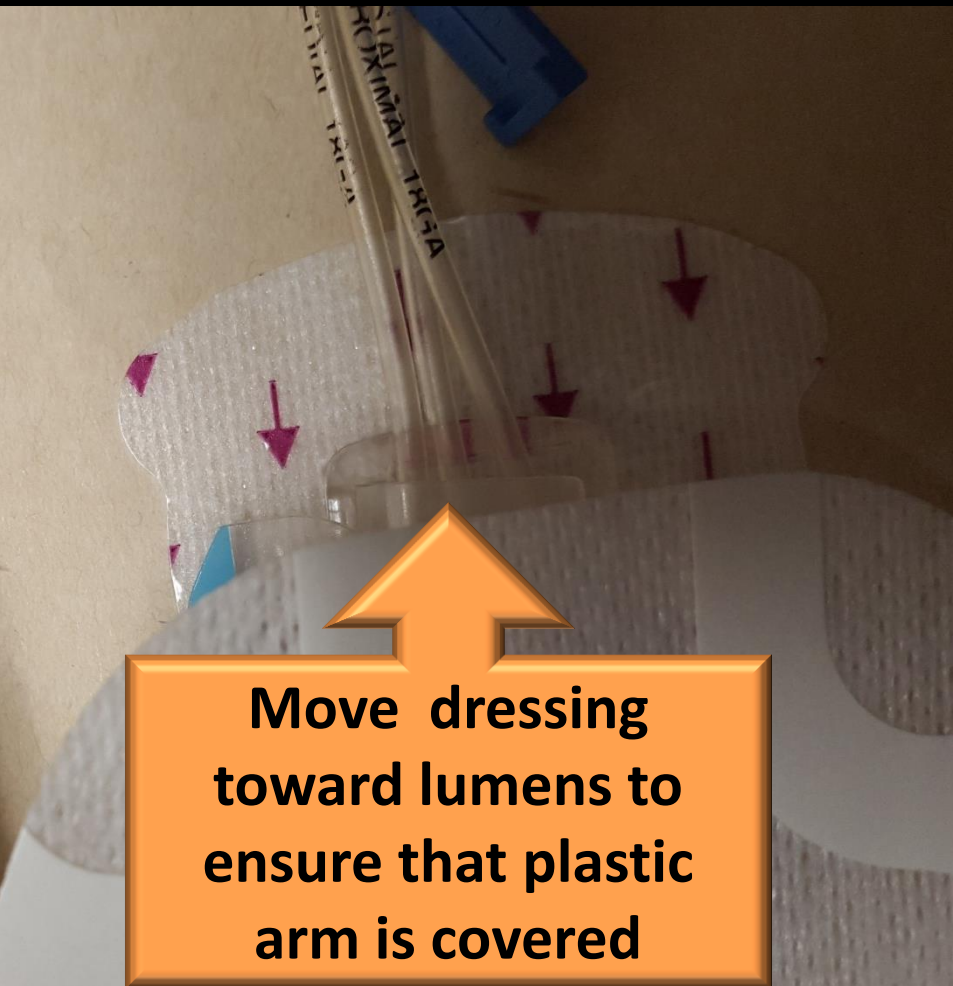
Press and smooth out to ensure adhesive sticks firmly.



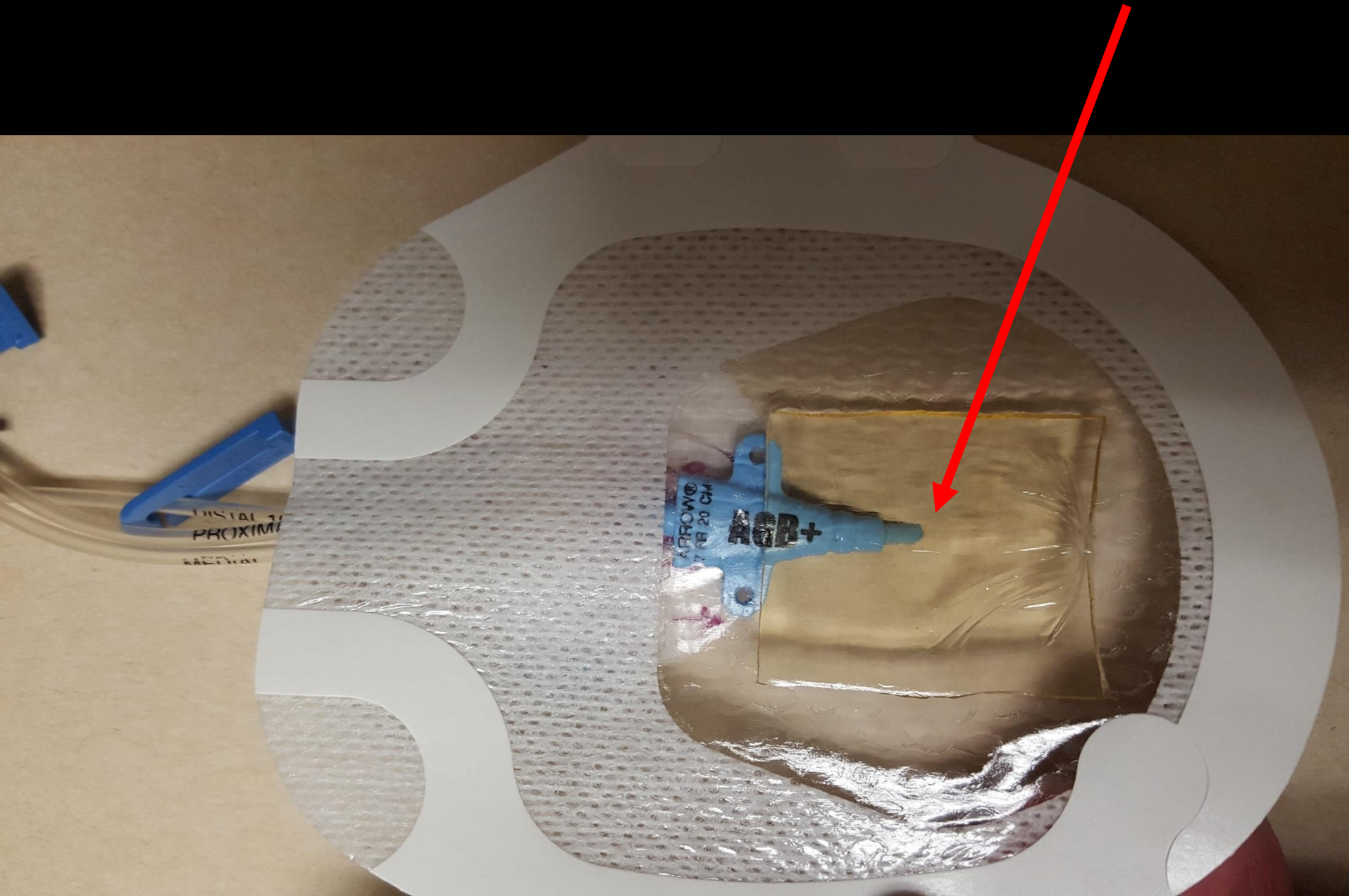
Remove opposite strip. Press and smooth again.



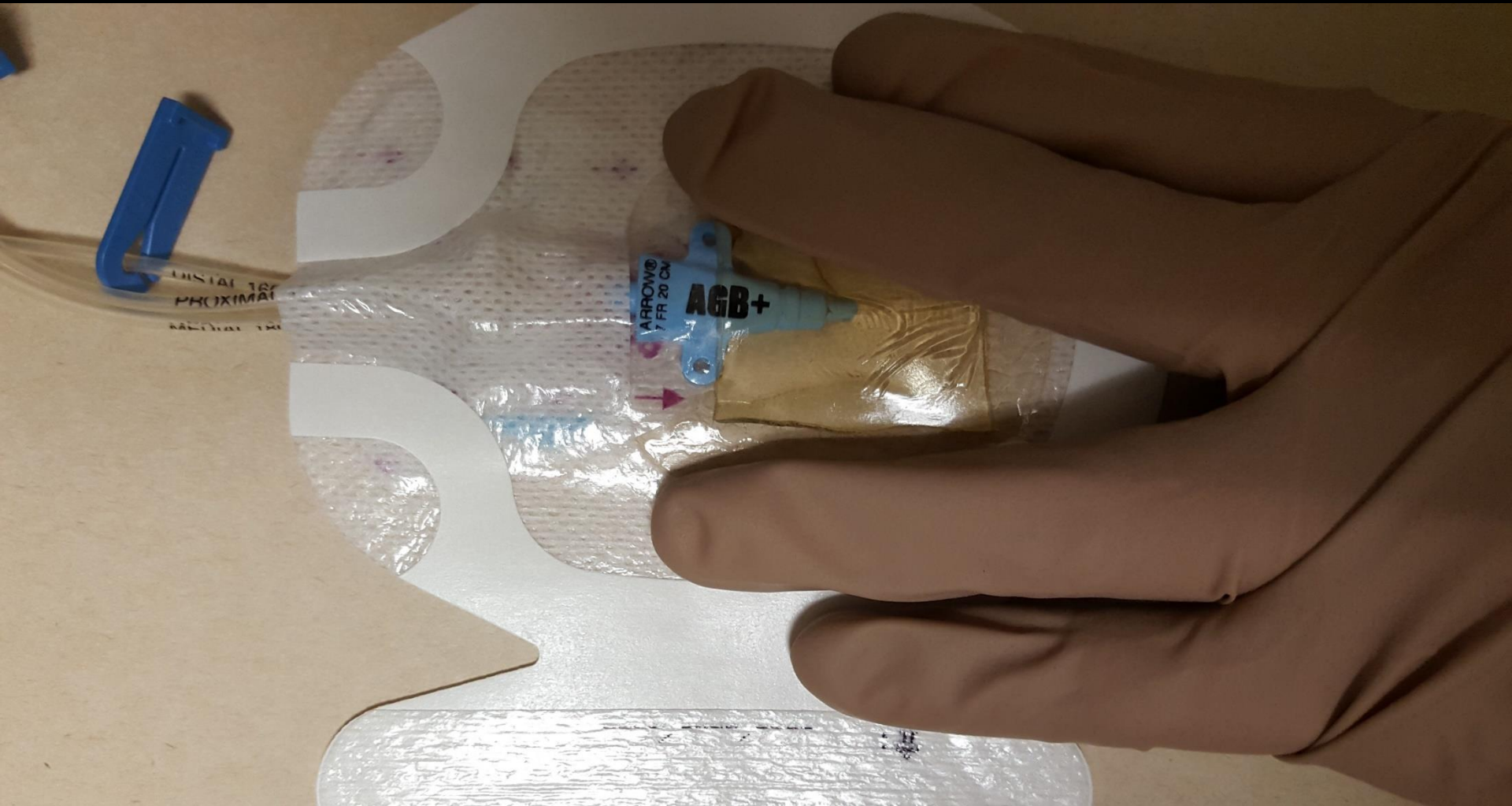
7. Remove backing from dressing and position flat end so that it covers the plastic arm.



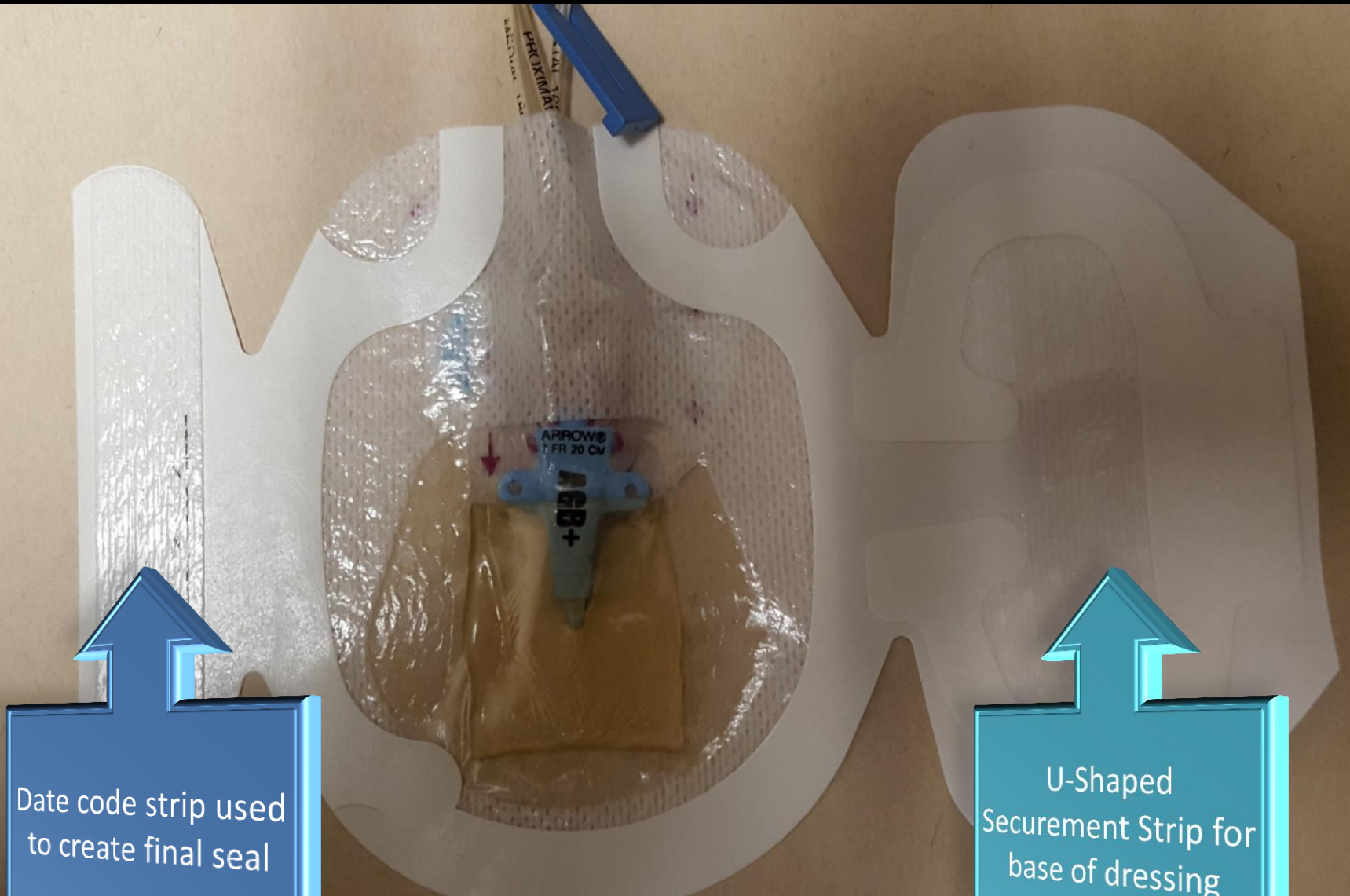
8. Ensure CHG pad is positioned over insertion site.



9. Press dressing in place. **DO NOT STRETCH** (this causes skin breakdown). Apply firm pressure to entire dressing, pressing out toward edges to ensure adhesion.

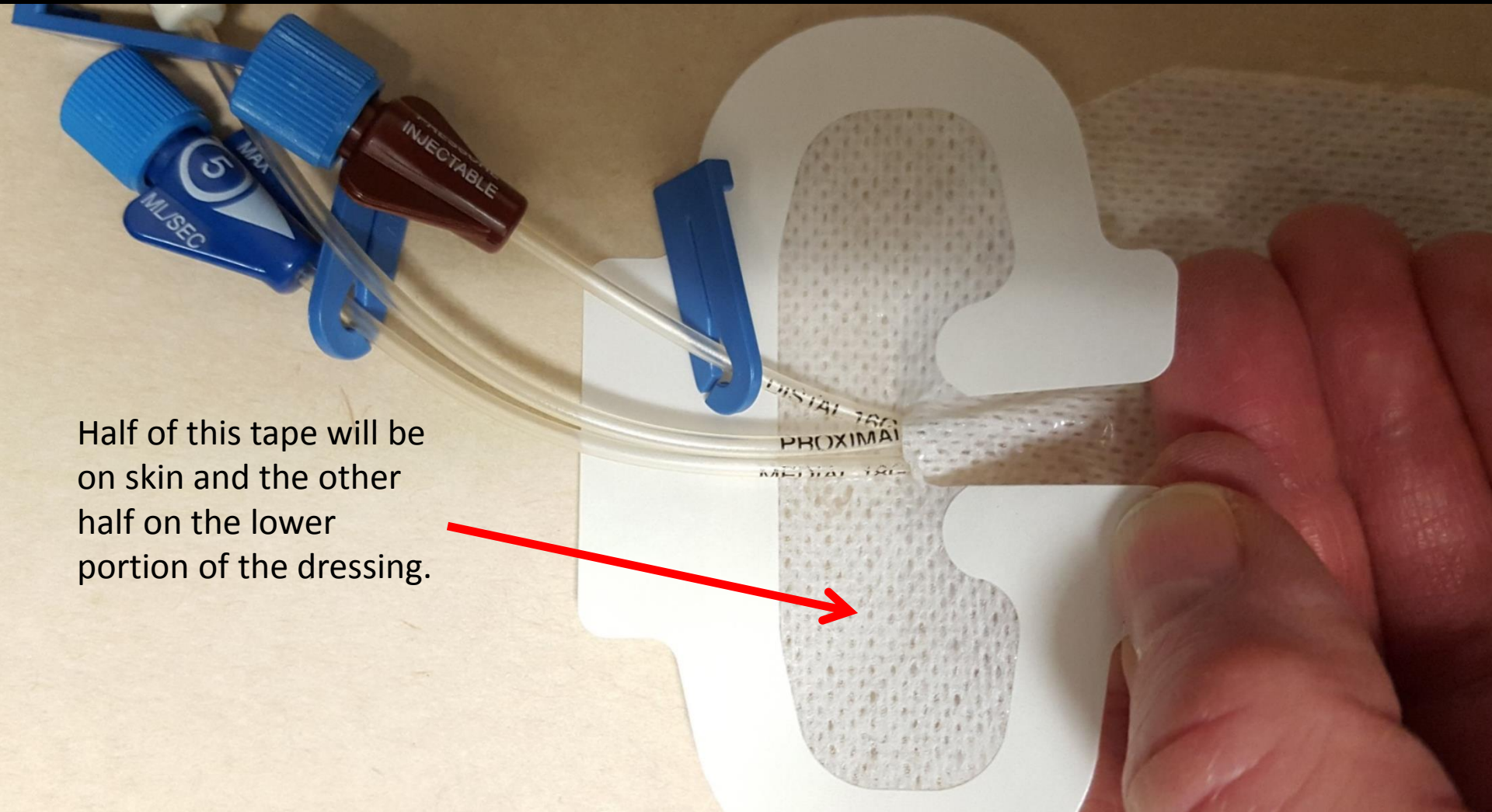


10. Remove frame while continuing to apply firm pressure.



11. Lift lumens and position U-shaped end of securement tape strip under catheter lumens and over dressing edge. Carefully remove frame while smoothing edges.

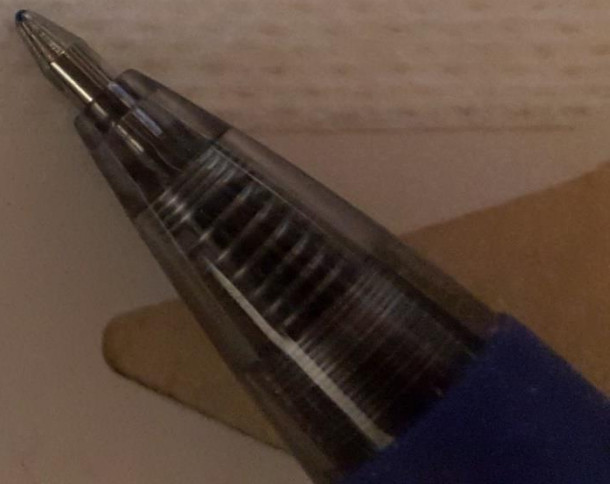
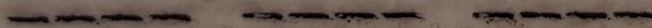
Half of this tape will be on skin and the other half on the lower portion of the dressing.



12. Record date of dressing change on date strip.



Chd Feb 29

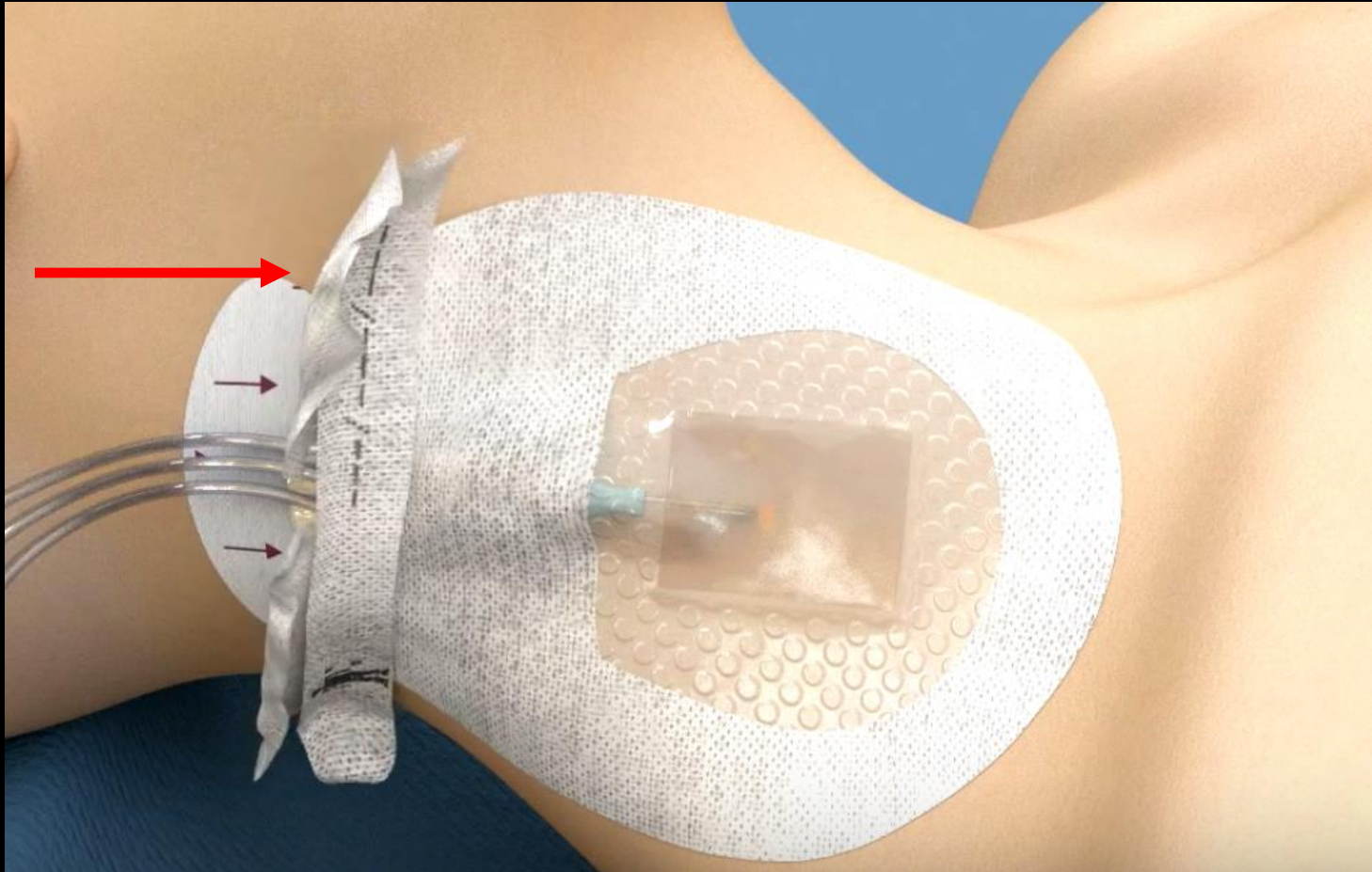


13. Place documentation strip on top of dressing over lumens. Apply pressure to increase adhesion.

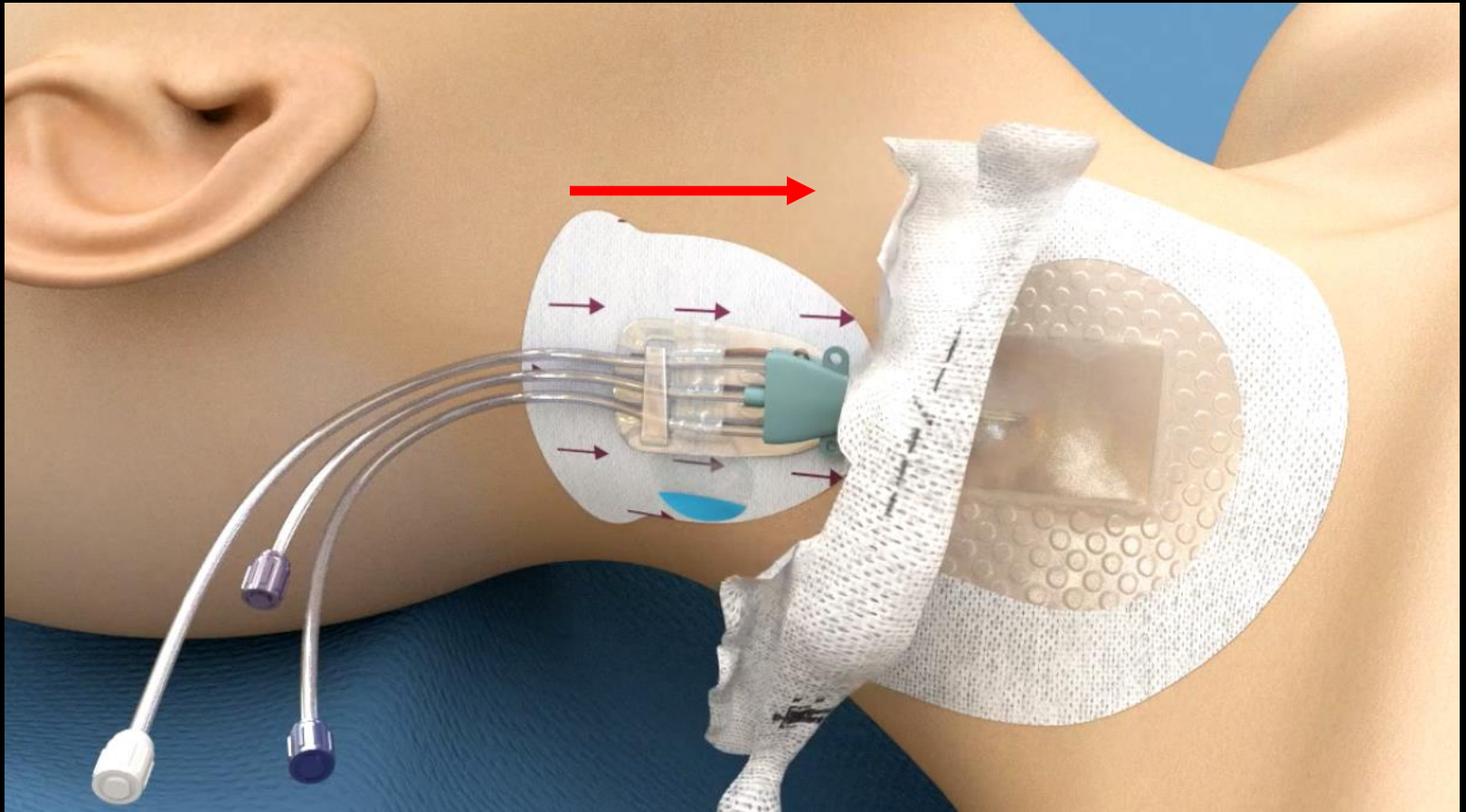


How to remove Tegaderm IV Advanced™ Securement Device and Dressing

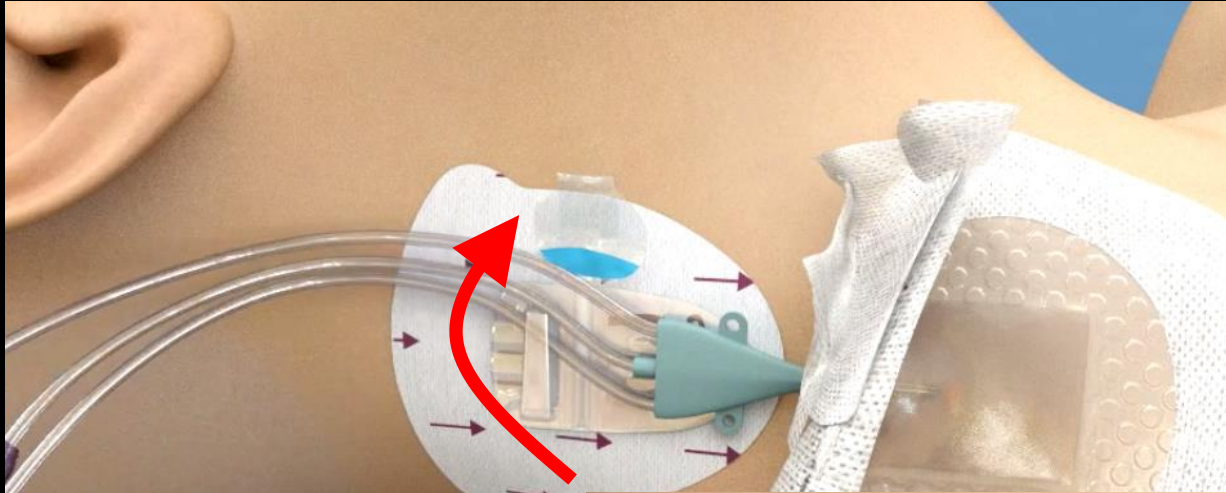
1. Tear securement tape and remove portion of dressing that is covering securement device.



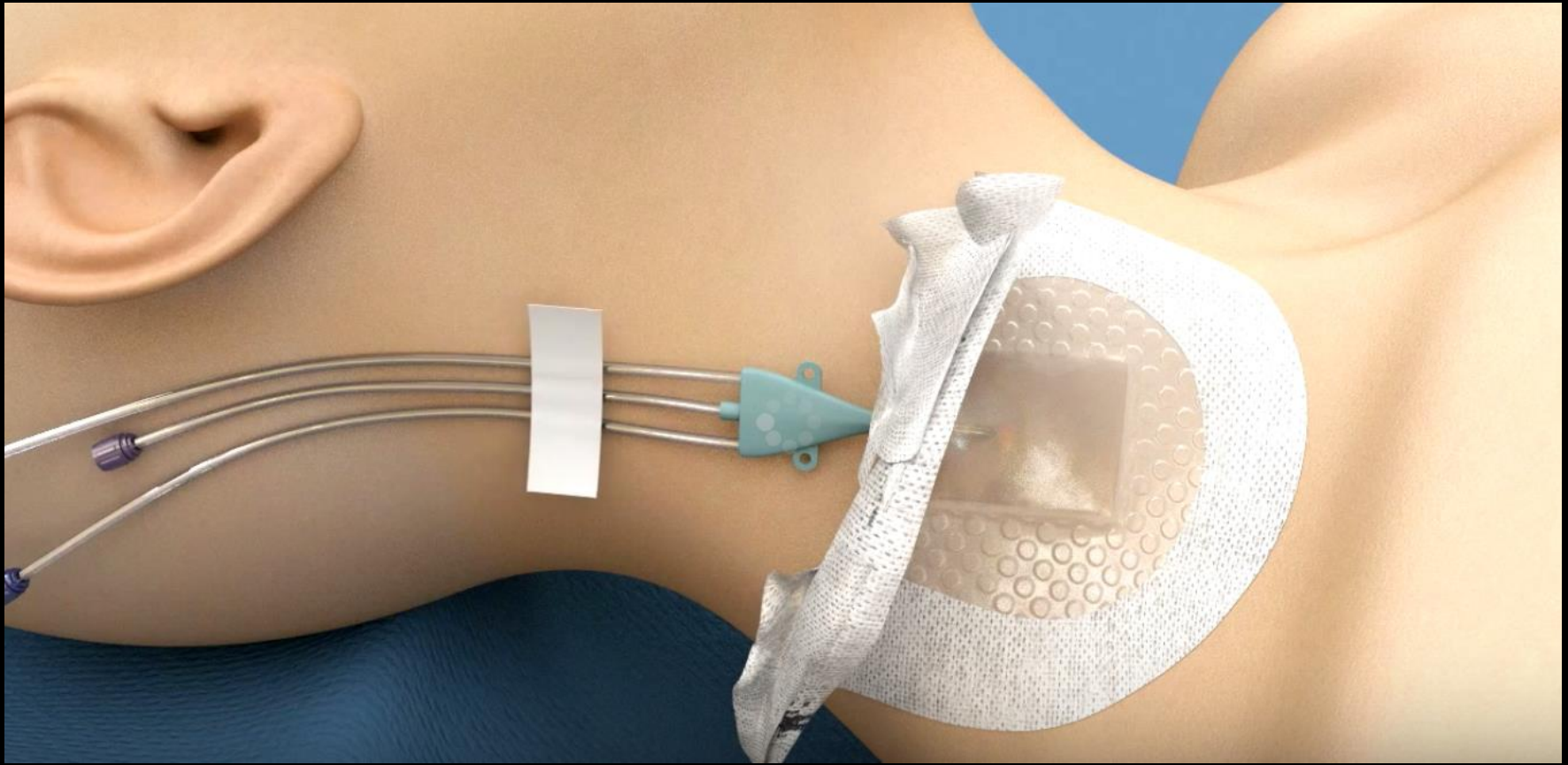
2. Roll dressing down to uncover securement device.
Be careful to stay well above the insertion site.



3. Remove the adhesive tape from across the lumens, then carefully remove the securement device.



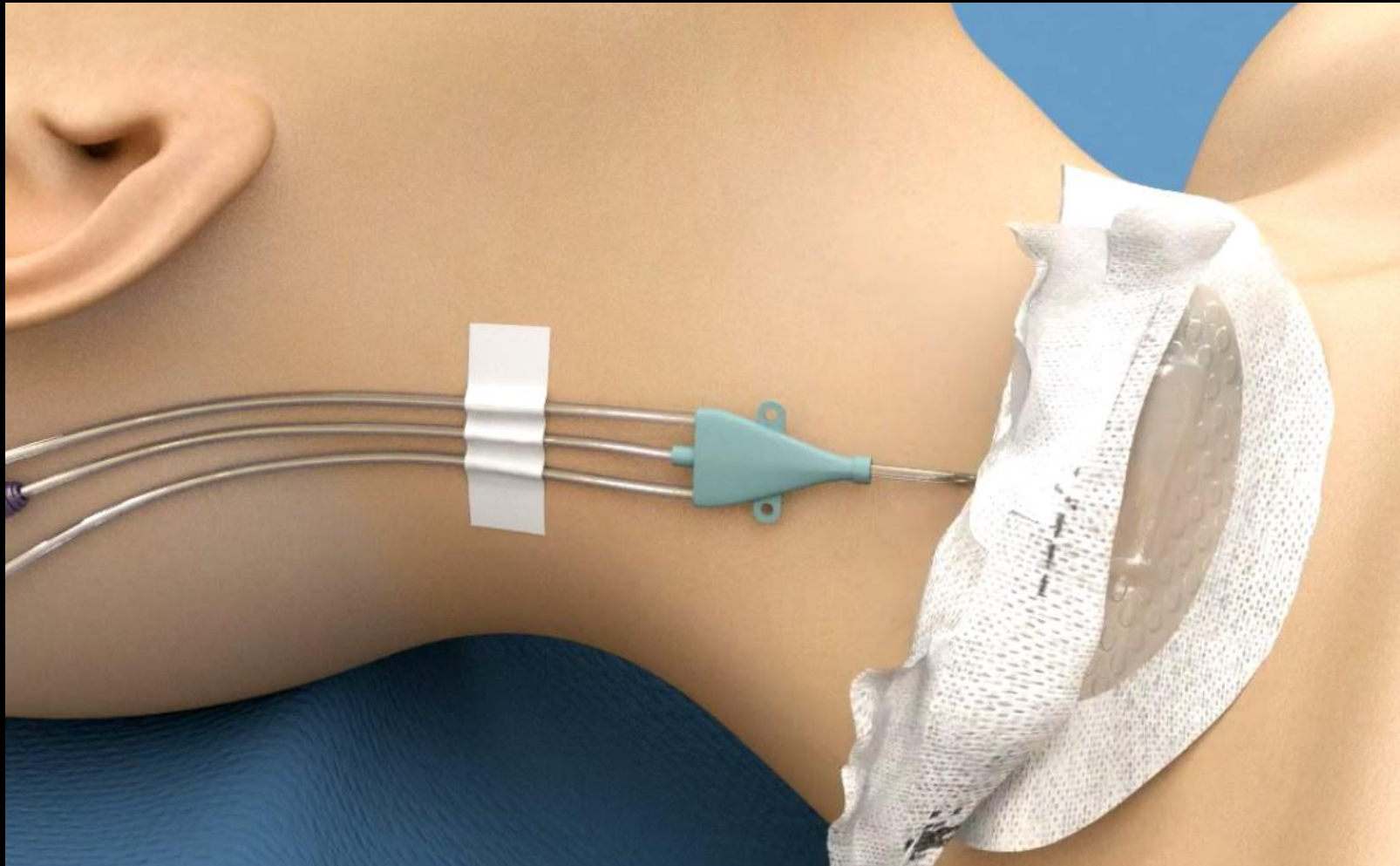
4. Apply tape to catheter lumens distal to location for new securement device. This will help to prevent catheter movement during dressing change.



5. Loosen CHG gel pad by irrigating with normal saline.



6. Remove dressing and replace dressing as per previous description.



Watch Application and Removal Video



***OR VIEW NEXT
SLIDE FOR VIDEO
OPTION***



3M™ PICC/CVC Securement Device + Tegaderm™ CHG Dressing

