

Radial Artery Compression Device Removal Guidelines

Peri-Operative

- When patient arrives, assess puncture site for bleeding or hematoma. There should be no bleeding.
- If there is any bleeding, inject 4 mL of air into the port marked "air" and notify the fellow. Do not exceed a total of 18 mL of air.
- Patient will remain in bed, but able to sit up and ambulate to the bathroom.
- TR Band will remain in place for:
 - **1 hour** post-procedure for **Non-Intervention** procedures
 - **2 hours** post-procedure for **Intervention** procedures

Non-Intervention

-
- Withdraw 4 mL of air after 1 hour
- If bleeding occurs, re-inject 4 mL of air and wait 30 minutes and withdraw 4 ml of air again. Repeat removing 4 mL every 30 minutes until all air is removed.
- Remove T.R. band and apply tegaderm and observe for 30 min. Hold pressure and call fellow if patient develops a bleed.

Intervention

- If patient received heparin, check ACT before removing air. If greater than 130 seconds, DO NOT REMOVE and repeat ACT every hour until ACT is less than 130 seconds.
- Withdraw 4 ml of air after 4 hours
- If bleeding occurs, re-inject 4 mL of air and wait 30 minutes and withdraw 4 mL of air again. Repeat removing 4 ml every 30 minutes until all air is removed.
- Remove T.R. band and place tegaderm and observe for 30 min. Hold pressure and call fellow if patient develops a bleed.

Post TR Band Removal

- Apply a 2x2 Tegaderm to the puncture site and secure with Kerlex wrap to arm board.
- Instruct patient not to manipulate wrist for 24 hours. Arm board may be removed after 1 hour post a non- intervention and reassess the site for bleeding.
- Instruct patient not to manipulate wrist for 24 hours. Arm board may be removed 6 hours after anticoagulation if a Percutaneous Coronary Intervention was performed then reassess the site for bleeding.

Educate patient on:

- Leave puncture site open to air after 24 hours post-procedure. If minor oozing, patient may apply Band-Aid and remove after 12 hours.
- No soaking wrist for 3 days
- No driving for 24 hours
- No lifting more than 3-5 pounds with affected wrist for 7 days.
- Hold pressure with thumb against puncture site and finger against back of wrist for any frank bleeding and call 911 for immediate help.

Reportable Conditions:

- Notify the doctor of any uncontrolled bleeding.
- If wound is bleeding then elevate the arm and apply manual pressure to the area just above the wound by pressing the thumb above the wound and encircling the hand around the wrist for 20 minutes. After 20 minutes slowly remove pressure and assess if bleeding has stopped.
- Notify the doctor if there is a loss of circulation in the hand or the hand has a sudden color change and appears cool and blanched accompanied by tingling and numbness