TRANS-RADIAL ARTERY ACCESS FOR LOWER LIMB INTERVENTIONS

Will dedicated new tools making this approach the future standard of care?

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Disclosure

Speaker name:

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I have the following potential conflicts of interest to report:

- Consulting: Abbott Vascular, Medtronic, Boston Scientific, Intact Medical, Surmodics, Intervene
WHY TRANSRADIAL?

POINT 1

- It is superficial and accessible for all body sizes
- Fewer surrounding critical structure to be injured
- Safer in obese patients
- Shown to reduce mortality, access site and bleeding complications

WHY TRANSRADIAL?

**POINT 2**

- Easily compressible
- Closure devices are not required
- Rapid return to mobility
- Reduced LOS
- Savings in cost

WHY TRANSRADIAL?

POINT 3

• Less patient discomfort
• Increased satisfaction
  • No mandatory lying flat
  • No sandbags or manual pressure
• 81% of patients prefer radial access

TRANSRADIAL TOOLS

ACCESS

- Ultrasound guided access
TRANSRADIAL TOOLS

ACCESS

- Ultrasound guided access
- Micropuncture kit
TRANSRADIAL TOOLS

ACCESS

- Ultrasound guided access
- Micropuncture kit
- “Radial Cocktail”
  - Heparin 3000 IU
  - GTN 200 µg
  - Verapamil 2.5 mg
  - Diluted to 10mls with blood
TRANSRADIAL TOOLS

ACCESS

- Ultrasound guided access
- Micropuncture kit
- “Radial Cocktail”
  - Heparin 3000 IU
  - GTN 200 µg
  - Verapamil 2.5 mg
  - Diluted to 10mls with blood
- 5 or 6 French Sheaths
TRANSRADIAL TOOLS

CROSSING

• Long Guidewires (300-400cm)
TRANSRADIAL TOOLS

CROSSING

• Long Guidewires (300-400cm)
• Long directional catheters

Glidecath® Hydrophilic Coated Catheter

• 4 Fr Size
• 150 cm length

Offers excellent pushability and torque control with multiple tip shapes for selectivity and access to the peripheral vasculature
TRANSRADIAL TOOLS

CROSSING

• Long Guidewires (300-400cm)
• Long directional catheters
• Support catheters

Navicross
Support Catheters

• 4 Fr Size, Straight, Angled
• 135 cm and 150 cm lengths

Double tapered tip provides the smallest crossing profile, giving a near seamless catheter-to-guidewire transition to aid in crossing simple or complex lesions in the peripheral vasculature.
TRANSRADIAL TOOLS

CROSSING

- Long Guidewires (300-400cm)
- Long directional catheters
- Support catheters
- Microcatheters

130-155cm length
TRANSRADIAL TOOLS

INTERVENTION

- Rx Balloons – 0.035”

Up to 200cm length
TRANSRADIAL TOOLS

INTERVENTION

• Rx Balloons – 0.018”

Up to 200cm length

[Image of medical tool]

RaP Crosstella RX
PTA Balloon Dilatation Catheter

• 5 Fr sheath compatibility
• 2-6 mm diameter x 40-200 mm length
• 200 cm shaft length

The longest 0.018” Rapid Exchange (RX) PTA Balloon designed for use in radial to peripheral procedures
TRANSRADIAL TOOLS

INTERVENTION

• Rx Balloons
• Stents

Up to 200cm length

Click here to learn more

6 Fr sheath compatibility
6-8 mm diameter x 40-150 mm length
200 cm shaft length

The longest stent platform specifically designed for above-the-knee peripheral artery disease interventions via radial access with Rapid Exchange (RX) technology.
TRANSRADIAL TOOLS

INTERVENTION

- Rx Balloons
- Stents
- Atherectomy

Up to 200cm length
TRANSRADIAL TOOLS

CLOSURE

• TR Bands

TR Band
Radial Compression Device

• Regular 24 cm and Long 29 cm

The #1 preferred radial hemostasis device on the market provides a more precise way of applying pressure to the radial artery
CONCLUSION

• Radial access has become the standard of care in coronary intervention

• It has several advantages over transfemoral access however its major limitation is the distance between access and the peripheral arteries

• Although they are starting to become available, a host of new tools will be required to overcome the issues of length and maneuverability
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