

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:

.....Ramon L. Varcoe.....

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 patients¹
- Shown to reduce mortality, access site and bleeding complications^{2,3}

1. Benamer H, et al. EuroIntervention. 2007;3:327-332
2. Mason PJ, et al. Circ Cardiovasc Interv. 2018;11:e000035
3. Singh S, et al. Can J Cardiol. 2016;32:777-790.

WHY TRANSRADIAL?

POINT 2

- Easily compressible
- Closure devices are not required¹
- Rapid return to mobility¹
- Reduced LOS¹
- Savings in cost²

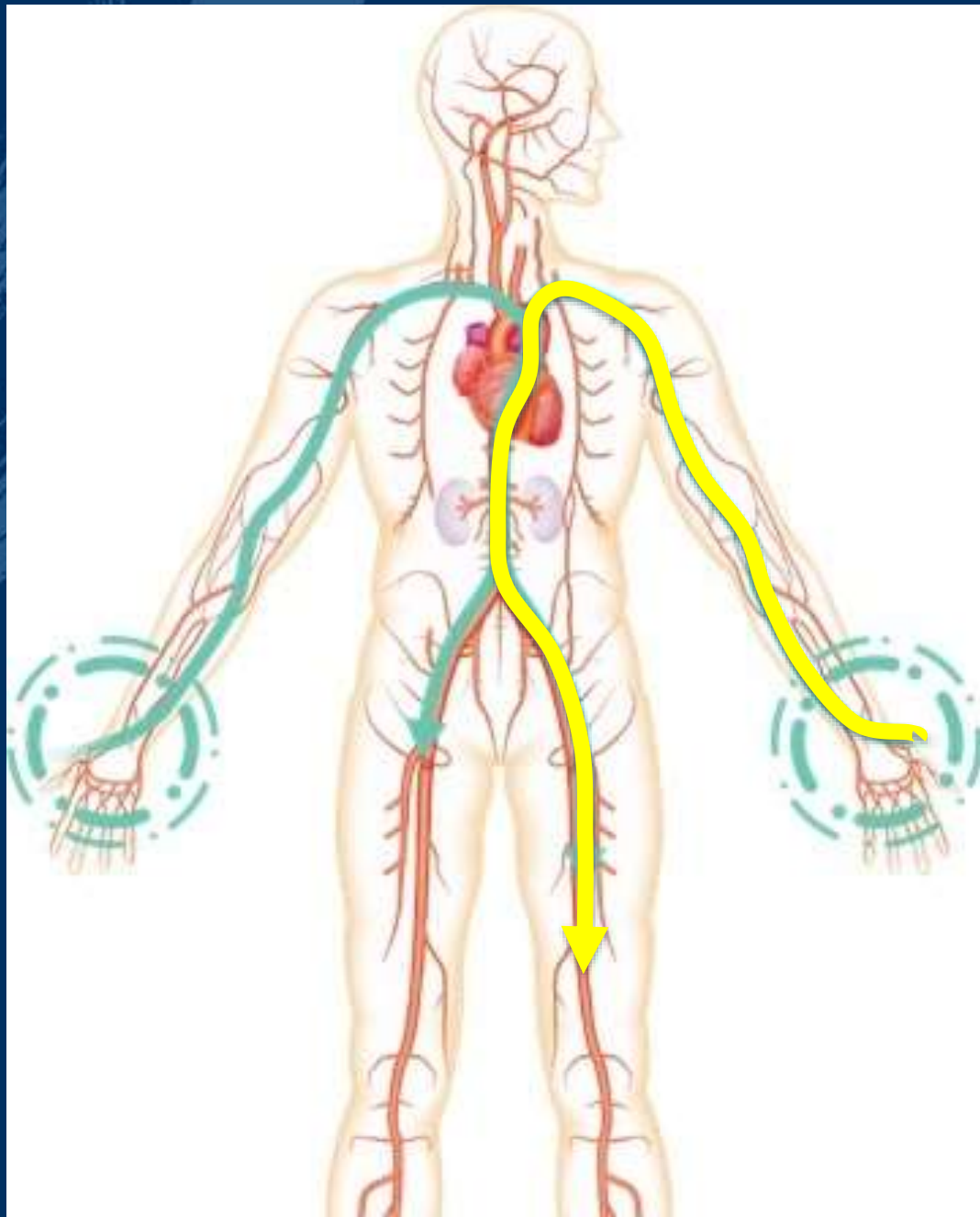
1. Fischman AM, et al. Tech Vasc Interv Radiol. 2015;18:58-65

2. Mitchell MD, et al. Circ Cardiovasc Qual Outcomes. 2012;5:454-462

WHY TRANSRADIAL?

POINT 3

- Less patient discomfort
- Increased satisfaction
 - No mandatory lying flat
 - No sandbags or manual pressure
- 81% of patients prefer radial access¹



TRANSRADIAL TOOLS

ACCESS

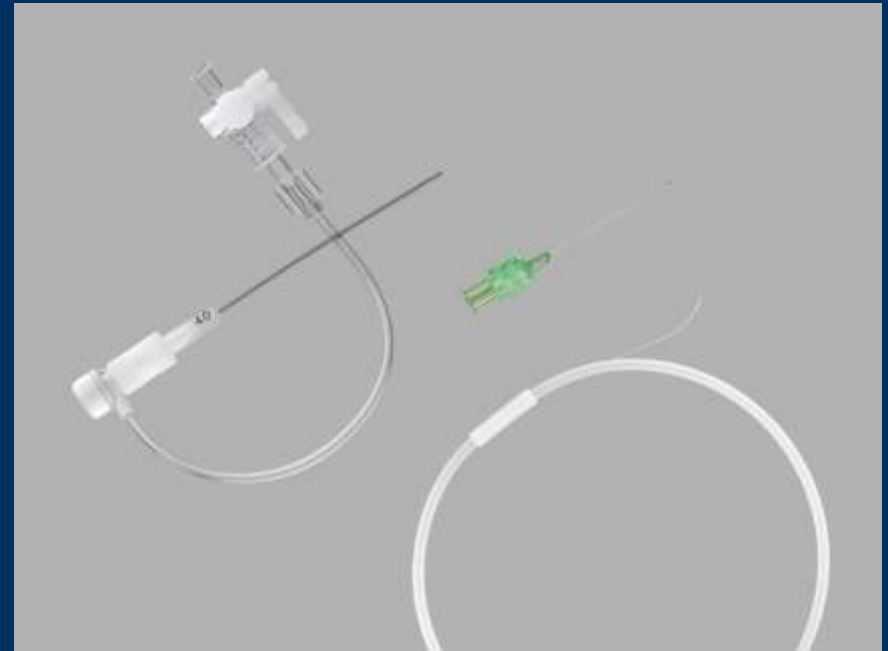
- Ultrasound guided access



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

Administering the Radial Cocktail



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



Glidesheath Slender
Hydrophilic Coated Introducer Sheath

- 5, 6, 7 Fr Sizes
- 10 cm and 16 cm lengths

Proprietary thin-wall technology and hydrophilic coating facilitate ease of insertion and removal during peripheral procedures

ReP Destination Slender
Guiding Sheath

- 6 Fr Size
- 119 cm and 149 cm lengths

Fully hydrophilic coating allows for smooth transition within the radial artery and Slender Technology™ provides optimal performance during peripheral procedures

TRANSRADIAL TOOLS

CROSSING

- Long Guidewires (300-400cm)



Glidewire

Hydrophilic Coated Guidewire

- **0.035" Straight, Angled, 1.5 mm and 3 mm J Tip**
- **350 cm, 400 cm, and 450 cm lengths**

Includes multiple procedural options in shaft stiffness, tip shapes, and wire configurations for easier vessel navigation

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

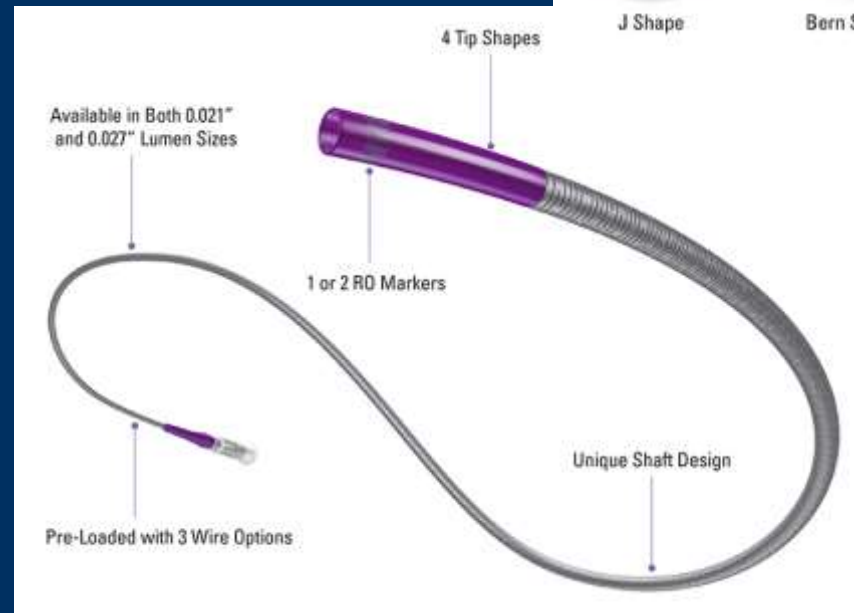
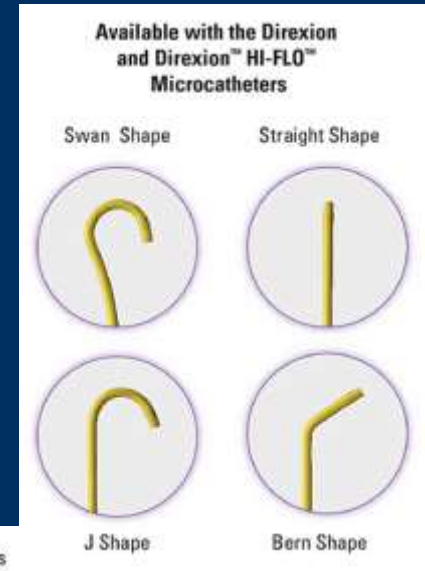
Double tapered tip provides the smallest crossing profile, giving a near seamless catheter-to-guidewire transition to aid in crossing simple or complex lesions in the peripheral vasculature

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



R2P Metacross[®] RX
PTA Balloon Dilatation Catheter

- 6 Fr sheath compatibility
- 3-8 mm diameter x 20-200 length
- 200 cm shaft length

The longest 0.035" radial to peripheral capability and Rapid Exchange (RX) technology are designed to mitigate excessive device management and use of contrast media during a peripheral procedure

TRANSRADIAL TOOLS

INTERVENTION

- Rx Balloons – 0.018”

Up to 200cm length



R2P 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](#)

ReP Misago®
RX Self-expanding Peripheral Stent

- 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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