

THE RADIAL ACCESS ALTERNATIVE.

A PATIENT-CENTRIC APPROACH FOR LOWER EXTREMITY REVASCULARIZATION

PROCEDURE CARD DEVELOPED IN PARTNERSHIP WITH DR. ANKUR LODHA
CARDIOVASCULAR INSTITUTE OF THE SOUTH
LAFAYETTE, LOUISIANA USA

"There is an increased interest in improving patient safety. In the cath lab, physicians and staff are also looking for ways to reduce access site related complications. One method, radial access for peripheral interventions, appears to be a viable solution to help reduce many of those complications that arise from using femoral access.

From my experience the benefits of radial access include:

- *Reduction in bleeding complications*
- *Rapid ambulation*
- *Reduced length of stay*
- *Reduced cost for the facility*

In my opinion it will be a game changer and will completely change the way peripheral interventions are done. It is the final frontier for peripheral access and will immensely contribute in improving patient safety and satisfaction."

*Dr. Ankur Lodha
Cardiovascular Institute of the South
Lafayette, Louisiana USA*

PROCEDURAL CONSIDERATIONS

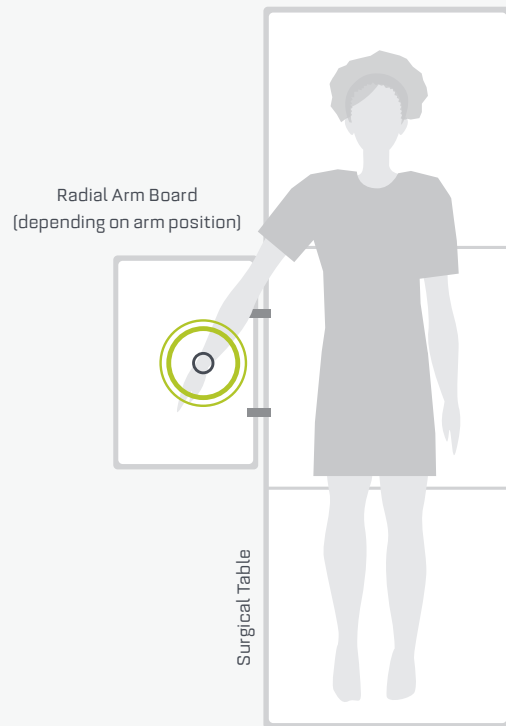
- ☐ **Viable Radial Artery (Allen's Test)**
 - Consider radial, femoral or pedal access
- ☐ **Room Size and Set Up**
 - Determine right or left access site
 - Identify if the C-arm and patient table are mobile
- ☐ **Severity of Disease State**
 - Consider treatment options
 - Determine access site options
- ☐ **Patient Height and Location of Disease**
 - Determine adjunctive device(s) length requirements
 - *Left radial access extends device reach and may be beneficial for infrapopliteal cases
- ☐ **Alternative Access Site Prep**
 - Prepare femoral or pedal access site for bail-out situations if radial access is being used

RADIAL PROCEDURE CHECKLIST

- ☐ **20/21-gauge Needle and Short 0.018"/0.025" Guidewire**
- ☐ **Radial Arm Board (if desired)**
- ☐ **Short Introducer Sheath (7 cm/10 cm)**
- ☐ **Pigtail Catheter**
- ☐ **Stiff, Angled 0.035" Guidewire (350-450 cm)**
- ☐ **6 Fr Long Length Guiding Sheath**
- ☐ **200 cm ViperCath™ XC Peripheral Exchange Catheter**
- ☐ **Support Catheters**
- ☐ **CSI Extended Length Orbital Atherectomy Device (180-200 cm)**
- ☐ **PTA Balloons (150-200 cm)**
- ☐ **Stents and Drug-Coated Balloons (150-200cm)**
 - Drug-Coated Balloons currently not available in longer lengths
- ☐ **Radial Compression Device**

RADIAL PROCEDURE ROOM SET UP OPTIONS**

RIGHT SIDE ACCESS SITE



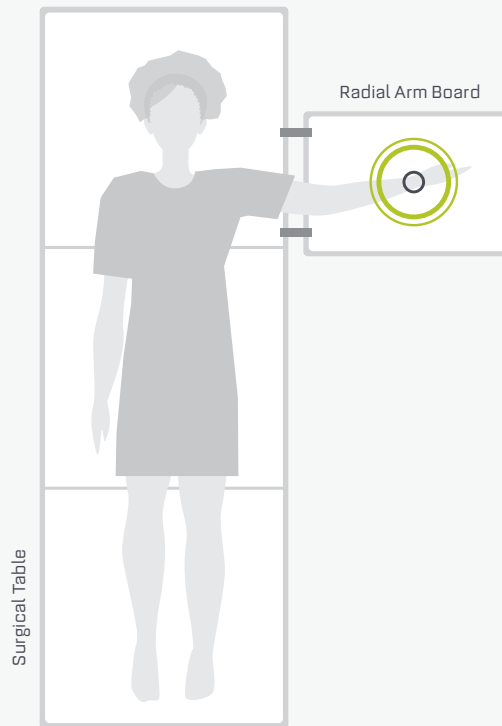
PROS

- Greater operator comfort and staff familiarity with set up
- Similar room set up to femoral PVI cases
- Enables operator to position radiation shield to reduce exposure
- Simple/accessible vascular pathway to aorta

CONS

- Increases working length distance needed for devices vs. left side access length

LEFT SIDE ACCESS SITE



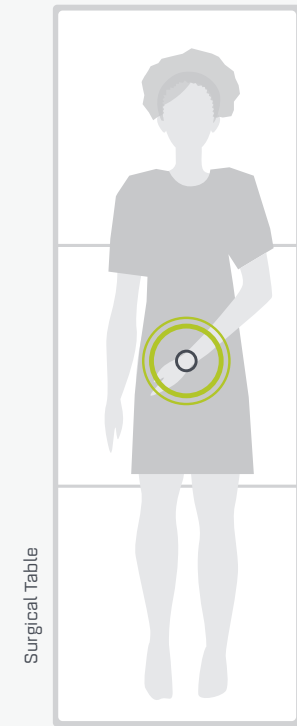
PROS

- Reduces device lengths needed and maximizes the working length of devices
- Enables operator to position radiation shield to reduce exposure

CONS

- Room set up may need to be modified
- Small room size can be an issue when working with longer length devices

RIGHT SIDE ACCESS WITH LEFT ARM CROSS OVER



PROS

- Greater operator comfort and staff familiarity with set up

CONS

- Potential for increased radiation exposure
- Left hand may block imaging view when accessing the right SFA (superficial femoral artery)

SKETCH YOUR CUSTOMIZED ROOM SET UP

KEY ROOM SET UP CONSIDERATIONS

- ☐ Room size
- ☐ C-arm mobility
- ☐ Monitor location(s)
- ☐ Scrub table location
- ☐ Injector location



Indication: The CSI® Peripheral Orbital Atherectomy System is a percutaneous orbital atherectomy system indicated for use as therapy in patients with occlusive atherosclerotic disease in peripheral arteries and stenotic material from artificial arteriovenous dialysis fistulae. **Contraindications** for the system include use in coronary arteries, bypass grafts, stents, or where thrombus or dissections are present. Although the incidence of adverse events is rare, potential events that can occur with atherectomy include: pain, hypotension, CVA/TIA, death, dissection, perforation, distal embolization, thrombus formation, hematuria, abrupt or acute vessel closure, or arterial spasm. **Caution:** Federal law (USA) restricts this device to sale by, or on the order of, a physician.

Consult the instructions for use for indications, warnings, and precautions for ViperCath™ XC Peripheral Exchange Catheters. **Caution:** Federal law (USA) restricts this device to sale by, or on the order of, a physician.

Dr. Ankur Lodha is a consultant for CSI.

Selection of products used during a medical procedure are made by the physician based upon their medical judgment. This procedure card includes devices that are indicated for radial use and does not constitute an endorsement by CSI. For recommendations and limitations see the instructions for use.

For more information, please contact your local CSI representative or call customer service at 1.877.274.0901.