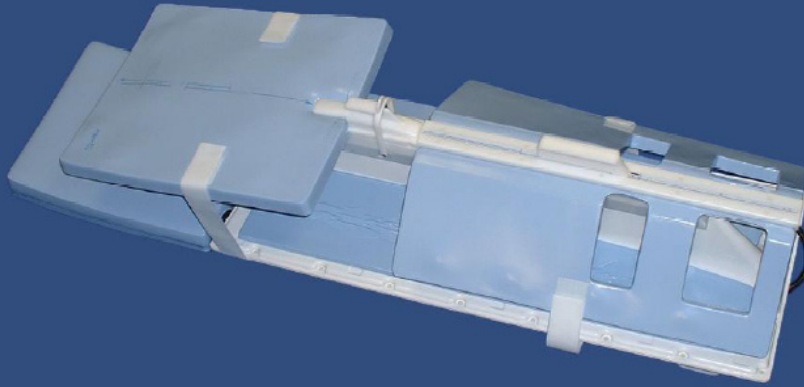


# Peripheral Vascular Array



**Model 155**  
GE Signa® LX (4 CH)  
**Model 158**  
GE Excite® (8 CH)

## Description

The Peripheral Vascular Array (PVA) has been designed specifically, but not exclusively, for MRA. It collects image data from the renal arteries throughout the pelvic region, and distally to both pedal arteries. This patented multi-channel antenna array incorporates a grouping of uniquely positioned elements designed to image the torso and legs. The coil's structural design and geometry have been engineered to facilitate close coupling to the imaging array's region-of-sensitivity for the anatomy's area of interest. This is a receive only coil.

## Suggested Clinical Applications

- Soft tissue and bone imaging of both lower extremities simultaneously as allowed by the MRI system.
- Pelvic/hip and renal artery imaging.
- Magnetic resonance peripheral angiography.

## Product Specifications

- **Field Strength:** 1.5T
- **Number of Elements:** 18
- **Weight:** 30 lbs (13.6 kg)
- **Ship Weight:** 45 lbs (20.4 kg)
- **Cable Length:** 40 in (102 cm)
- **Quality Factor (Q):**  
Unloaded: 320 @ 64 MHz  
Loaded: 40 @ 64 MHz
- **Region of Sensitivity:**

X	Y	Z
38 cm	28 cm	138 cm

- **Physical Size:**

R / L	A / P	S / I
41 cm	28 cm	147 cm

## Warranty/Repair Policy

Product is warranted to be free from defects in materials and workmanship for a period of two years from date of purchase. Typical turn-around time for repair/replacement of defective part(s) is 48 hours after receipt of defective product. Please see the published warranty for details.

## System Compatibility

GE Excite®, GE Excite® HD, GE Excite® HDx, GE Signa® LX (4CH), and others. Contact your ScanMed sales representative for details.

## Quality Assurance

All products are designed and manufactured under an ISO 13485/9001 registered quality system.

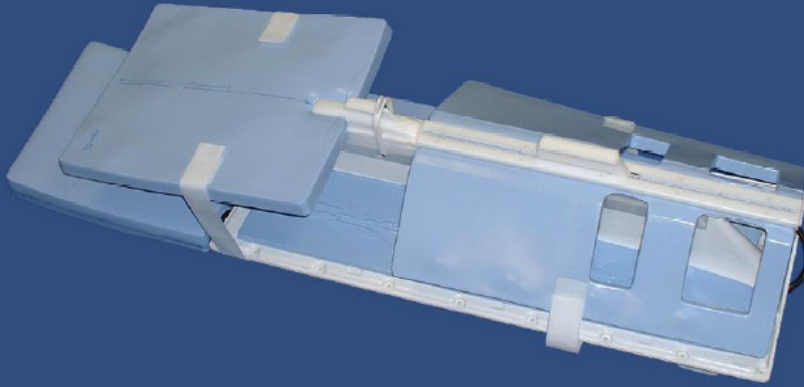


## Manufacturer

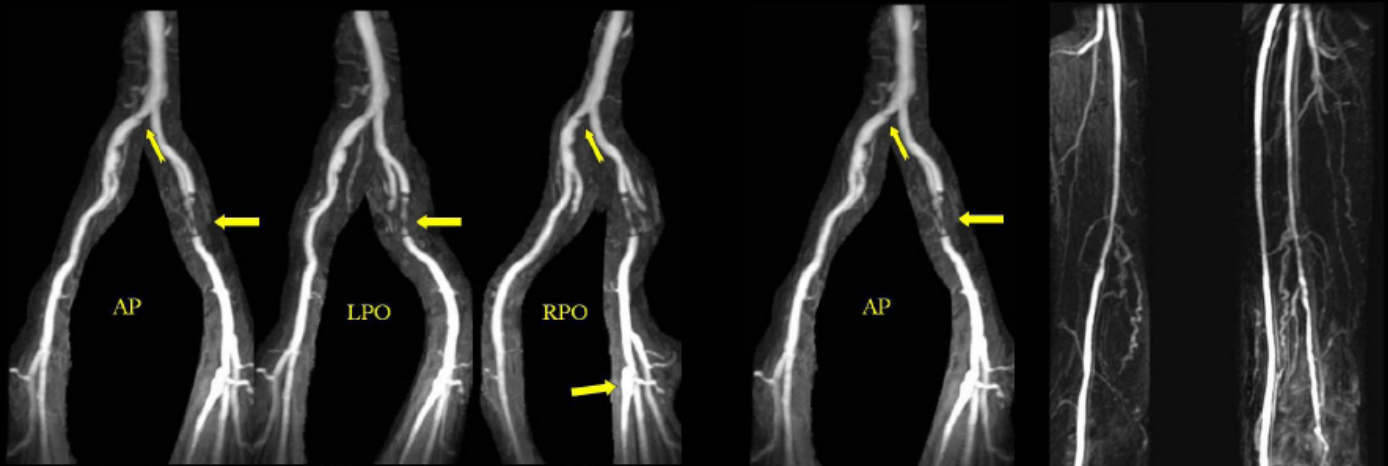
ScanMed of Resonance Innovations LLC  
9840 S. 140th Street Suite 8  
Omaha, NE 68138  
(402) 934-2650 (402) 778-9699 (FAX)

[www.scanmed.com](http://www.scanmed.com)  
[info@scanmed.com](mailto:info@scanmed.com)

# Peripheral Vascular Array

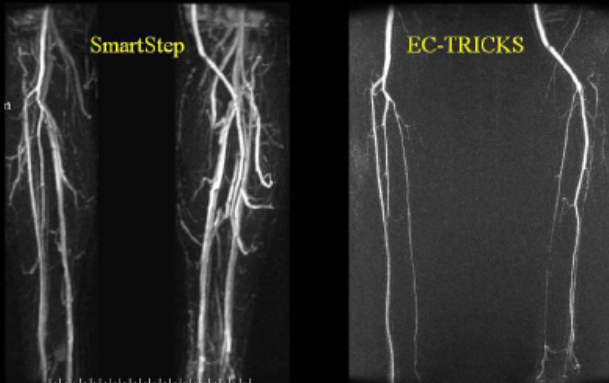


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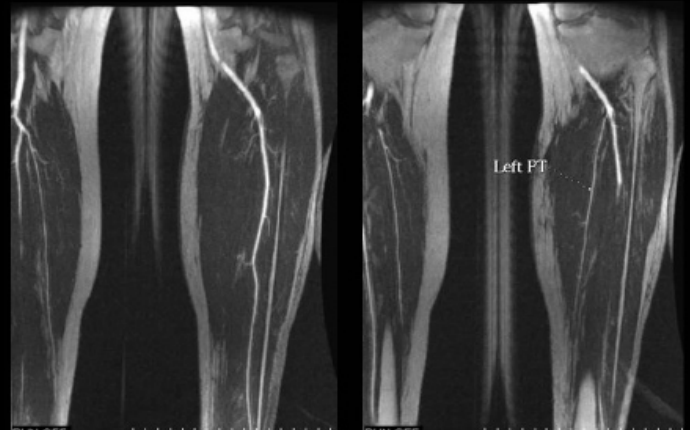


Critical stenosis of left external iliac and no stenosis at origin of left femoral graft. Two focal stenosis in right common iliac artery.

Only mild narrowing of the left graft and right SFA in the mid thigh.



EC-TRICKS clearly separates arteries from veins in both calfs. There is mild stenosis at the distal anastomosis of the left graft. The left peroneal artery sends collaterals to the AT and PT.



The 3D data sets from each time point of 1 mm resolution EC-TRICKS can also be reconstructed without subtraction resulting in preservation of the anatomical landmarks.

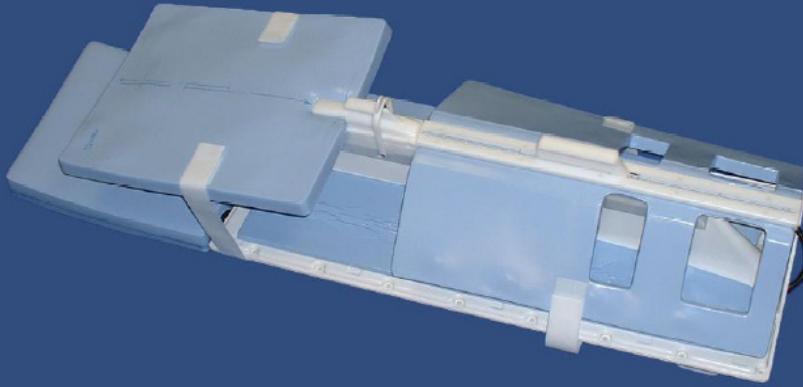


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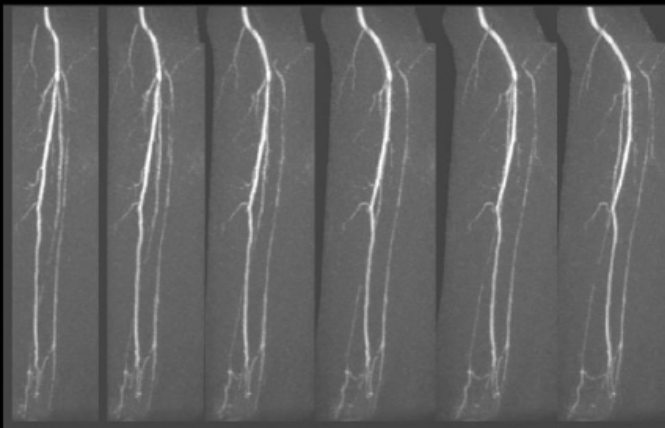
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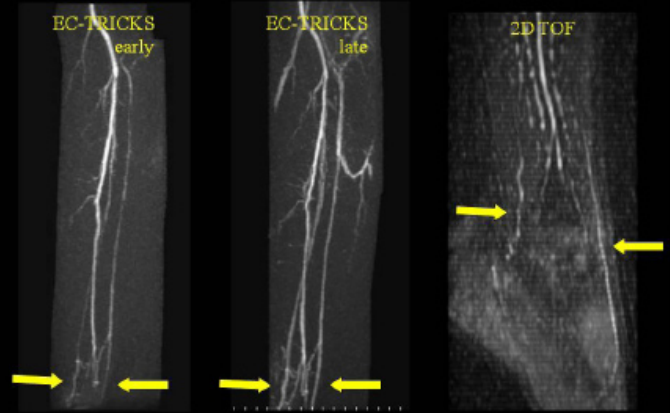
# Peripheral Vascular Array



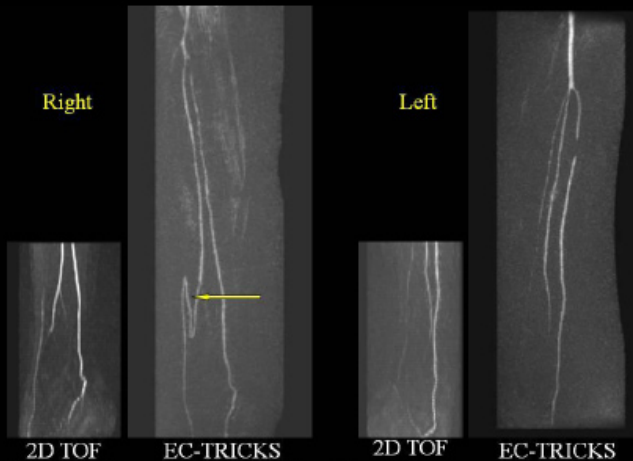
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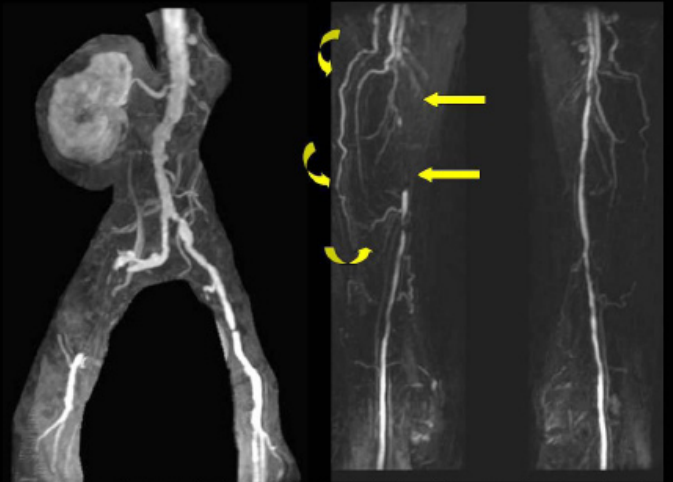
The 1 mm resolution allows good depiction of the small collateral vessels from the distal peroneal to the AT and PT.



The left AT and PT fill slowly via the peroneal collaterals, which are better depicted in the later EC-TRICKS time frames. 2D TOF confirms antegrade flow in the AT and PT distal to the collaterals.



Notice how the collateral vessel from the right peroneal reconstituting the distal anterior tibial is not seen with 2D TOF.



There is complete occlusion of the right SFA with reconstitution distally.



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