A Novel Solution For Deep Venous Reflux: Endovenous Neovalve

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Disclosures: Advisory Board - InterVene™

Options for Post-Thrombotic Veins

- Transposition
- Transplantation
- Neo-valve

NeoValve

The Layered Vein Wall
Creation of Vein Valves out of the Intimal Layer

NeoValve construction in postthrombotic syndrome

Dana Makhi, MD, and Harris Leigh, MD, Boston, Mass.

Endovascular Solution

Autologous Vein Valve Formation Catheter

Catheter

Hydro-dissection Technique for Sub-intimal Dissection

Vein Wall (tautly apposed to catheter due to balloon inflation)

Working Channel

IVUS Included

Autologous Leaflet Formation in 3 Steps

Cadaveric Specimen fixed and splayed for evaluation after valve creation

① Identify Valve Site (IVUS)
② Sub-intimal Access (Hydrodissection)
③ Leaflet Creation (Custom Balloon & Mouth-Opener)
Finally…
A Non-Implantable Deep Vein Valve Solution

Clinical study side selection:
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