Surveillance After Venous Stenting: Venography And Duplex Ultrasound
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Imaging the Iliofemoral Venous Segment

Imaging Options for the Iliofemoral Segment
1. Venography
2. Duplex Ultrasound
3. IVUS
4. CTV
5. MRV

CTV from Cho, Kim, Hong, et. al.; 2015

Venography or Duplex for Surveillance

Venography
- Needle stick
- Some radiation/contrast
- In most cases, not done in the office setting
Duplex ultrasound
- Noninvasive
- No radiation/contrast
- Done in almost every clinic

Duplex Problem: No Validated Criteria Post-Stenting

ROC CURVE EXAMPLES
- The best classification has the longest area under the ROC curve.
- Very sensitive to ensure that the “gold standard” classification.

Duplex Post-Stenting: The World’s Literature

9 Publications
No Validated Criteria
Duplex for Surveillance: Still the Best (Only) Test

Absent Good Data: Use Common Sense
- Venography is impractical in every stented patient.
- Venography can lead to unnecessary reinterventions (the "oculo-stenotic reflex").
- MRV and CTV are expensive and impractical for patients, rendering them unsuitable for surveillance.
- Common Sense: Duplex ultrasound is the most efficient, least invasive, and lowest cost routine surveillance test after iliofemoral venous stenting.

Absent Data: Duplex is Best

It is a thousand times better to have common sense without education than to have education without common sense. —Robert G. Ingersoll