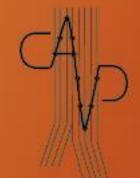


CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE CONTROVERSIES & UPDATES IN VASCULAR SURGERY

JANUARY 25-27 2018

MARRIOTT RIVE GAUCHE & CONFERENCE CENTER PARIS, FRANCE WWW.CACVS.ORG



Valvulotomy

Jeffrey Hull MD

Disclosure Speaker name:Jeffrey Hull..... I have the following potential conflicts of interest to report: Consulting Employment in industry Shareholder in a healthcare company Owner of a healthcare company Other(s) I do not have any potential conflict of interest

In-Situ Reversed Flow

The great saphenous vein used in situ as an arterial shunt after extirpation of the vein valves

KARL VICTOR HALL, M.D.

OSLO, NORWAY

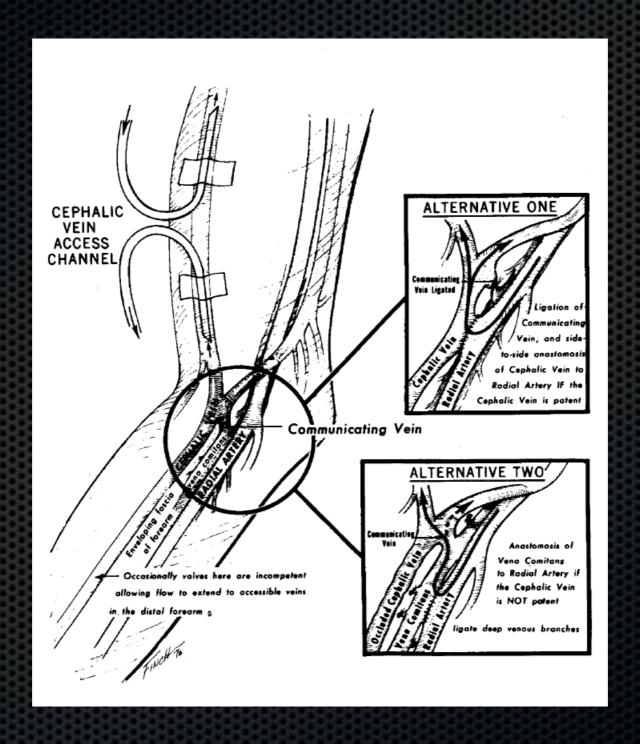
From Surgical Department A, University of Oslo

A preliminary report

Hall KV. The great saphenous vein used in situ as an arterial shunt after extirpation of the vein valves. A preliminary report. Surgery 1962; 51:492-5.



Incompetent Valve





Fistula Valvulotomy

ORIGINAL ARTICLE

Creating Arteriovenous Fistulas in 132 Consecutive Patients

Exploiting the Proximal Radial Artery Arteriovenous Fistula: Reliable, Safe, and Simple Forearm and Upper Arm Hemodialysis Access

William C. Jennings, MD

Jennings WC. Creating arteriovenous fistulas in 132 consecutive patients: exploiting the proximal radial artery arteriovenous fistula: reliable, safe, and simple forearm and upper arm hemodialysis access. Arch Surg 2006; 141:27-32; discussion

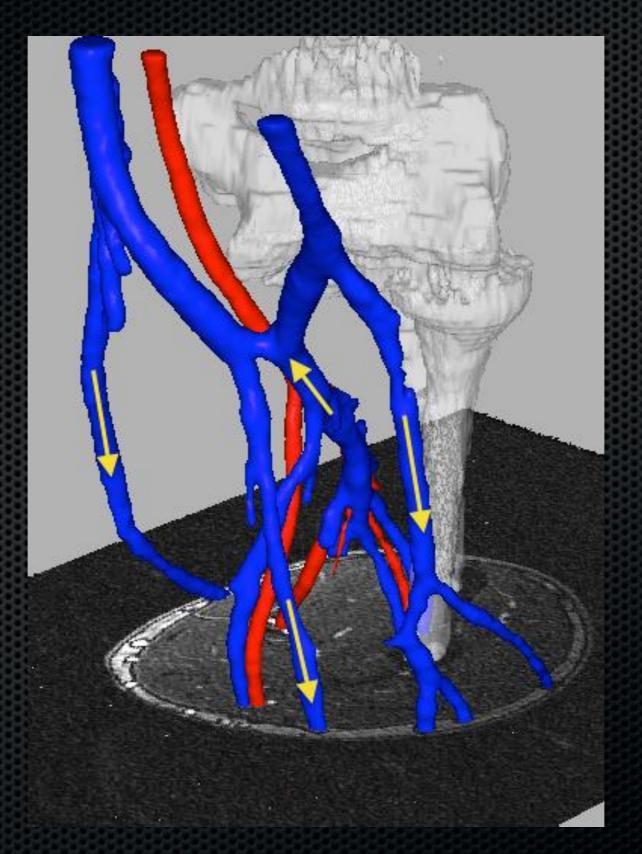


Incompetent Valve





Potential for Reverse Flow





In-Situ

- No dissection, or twisting
- Tapered vessels increase flow
- Valves
- Branches

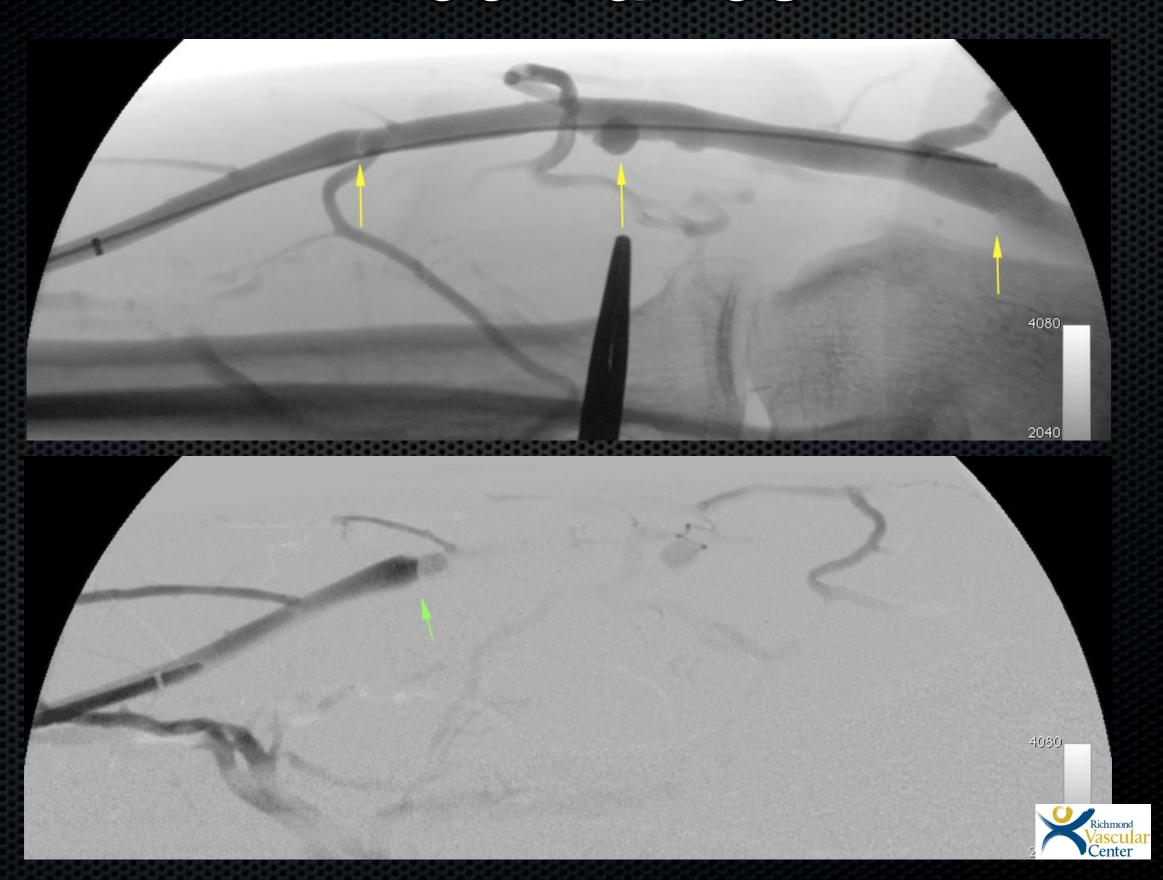


Incompetent Valve

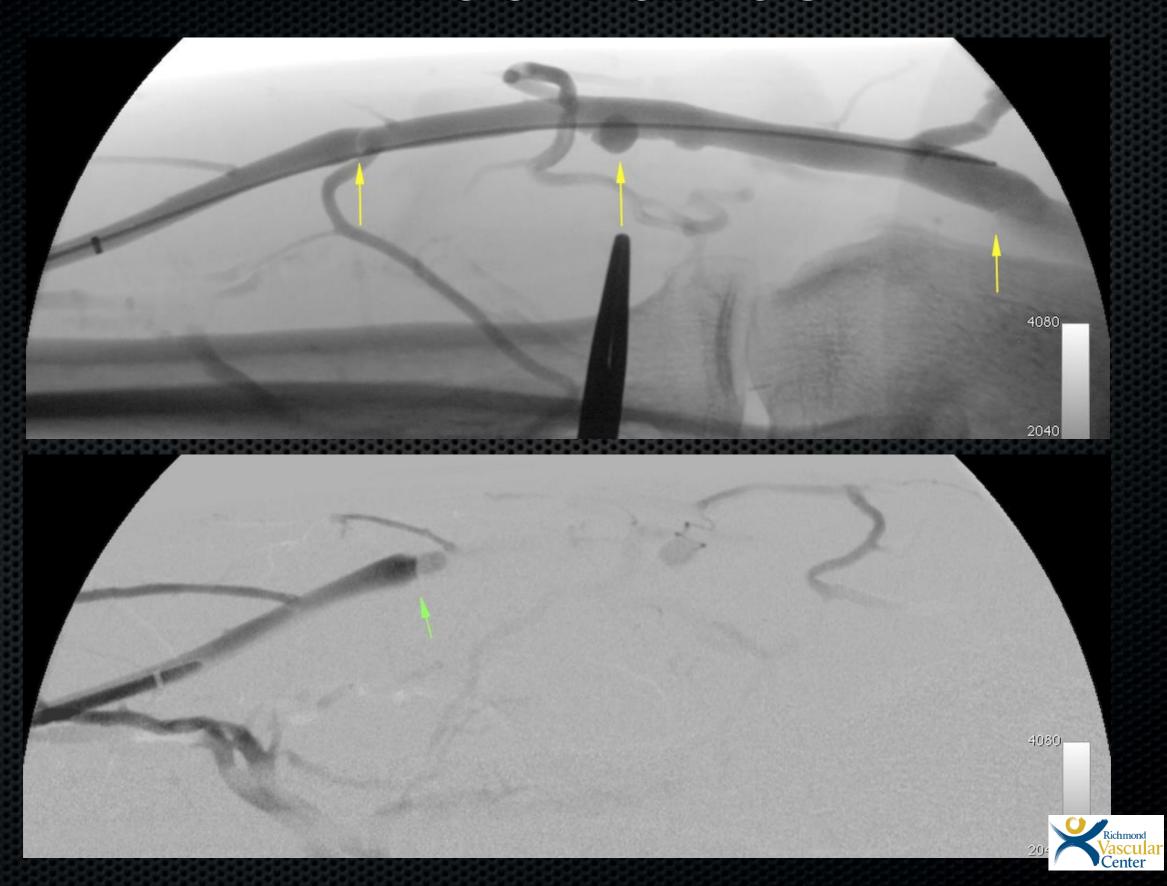




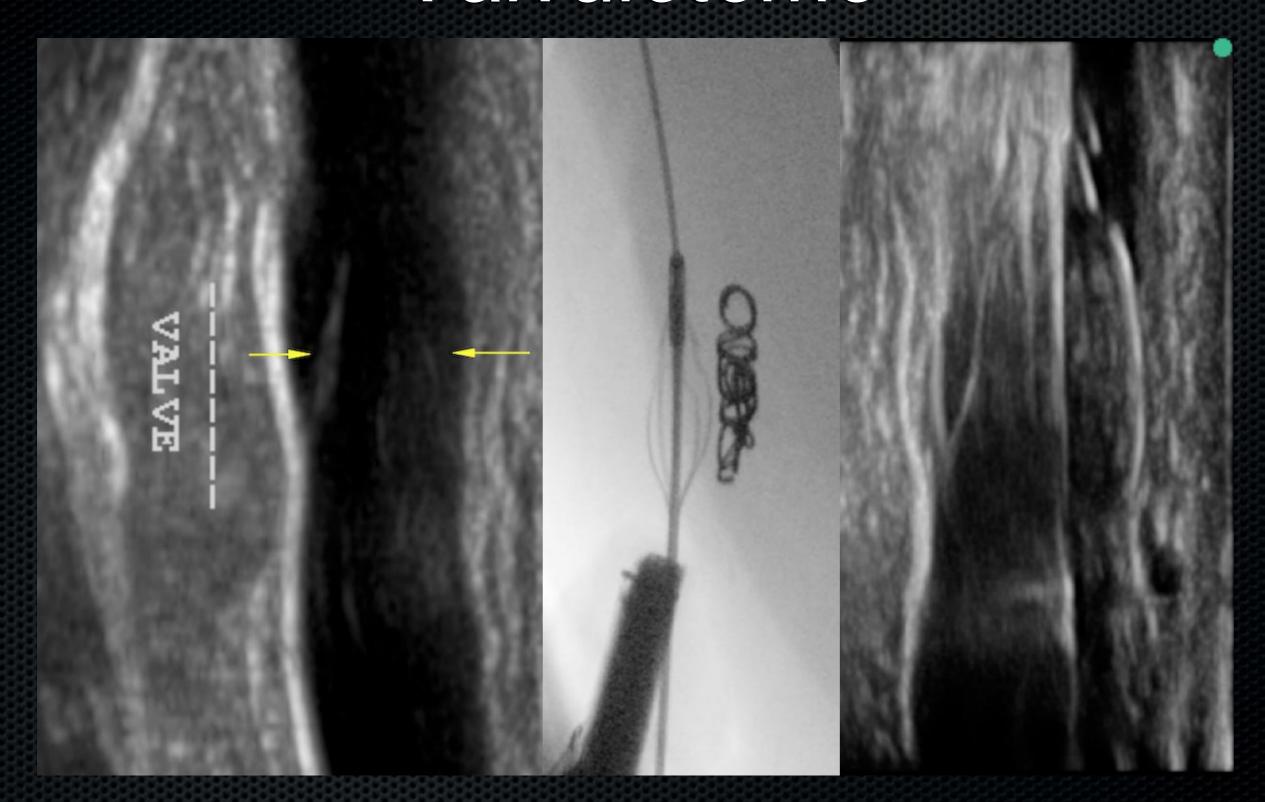
Three Valves



Three Valves

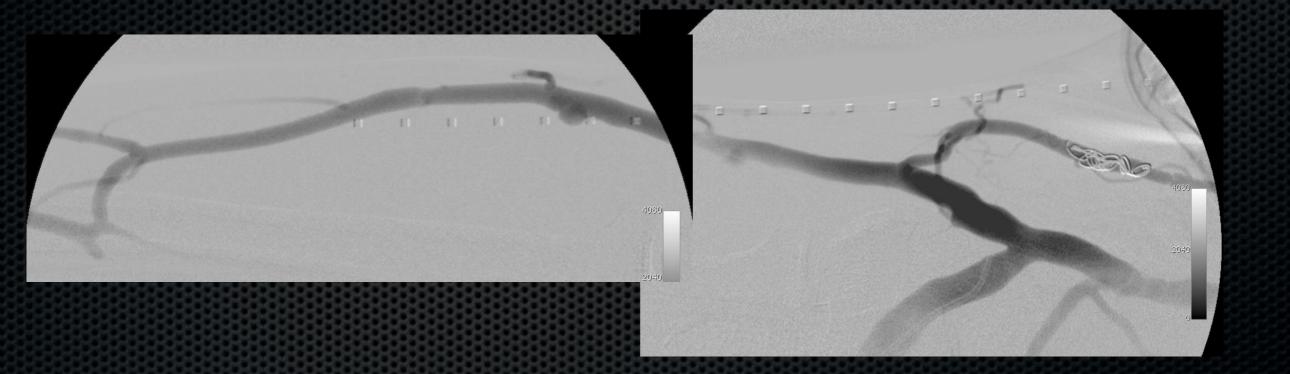


Valvulotome

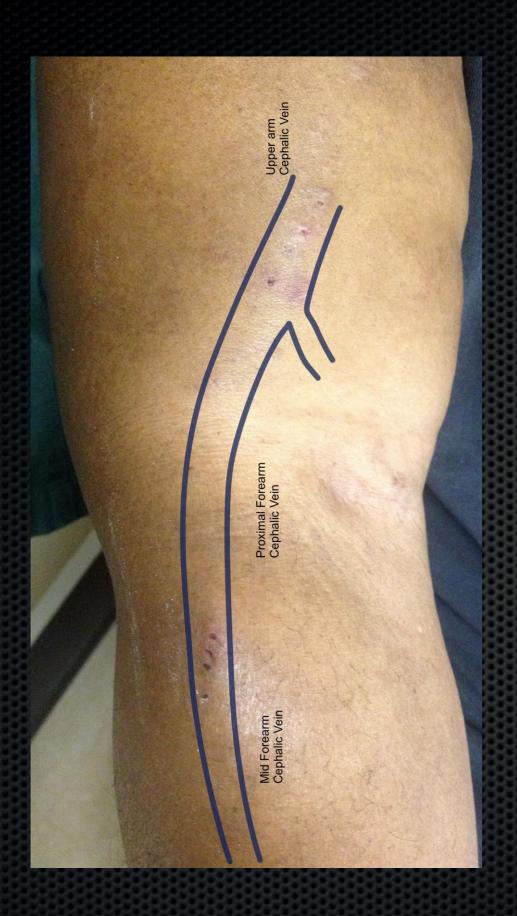




Retrograde Flow 2 Weeks









2 weeks

5 years



Mills Valvulotome

Volume 71 Number 6 June, 1976

Valvulotomy of valves in vein graft 879

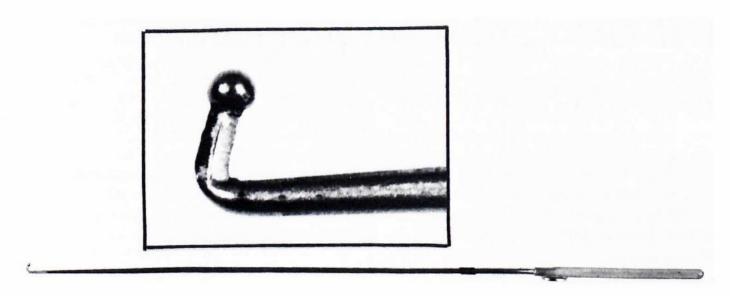


Fig. 2. Saphenous vein valvulatome.

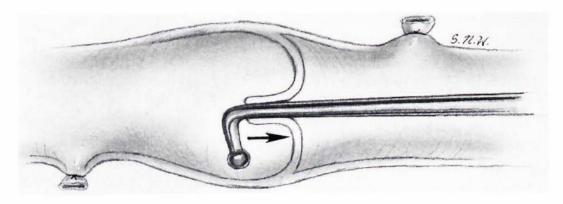
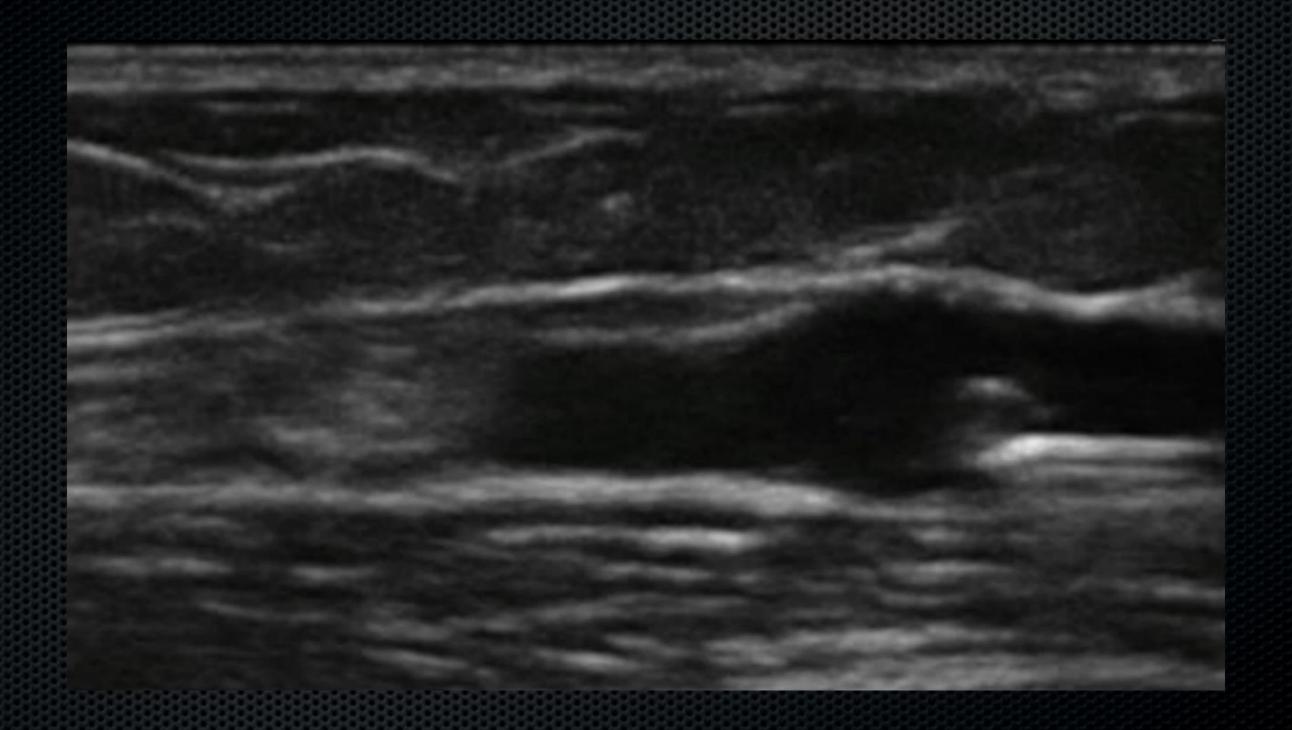


Fig. 3. Technique for saphenous vein valvulotomy. The right angle of the valvulatome is engaged selectively in each cusp and the cusp is divided.

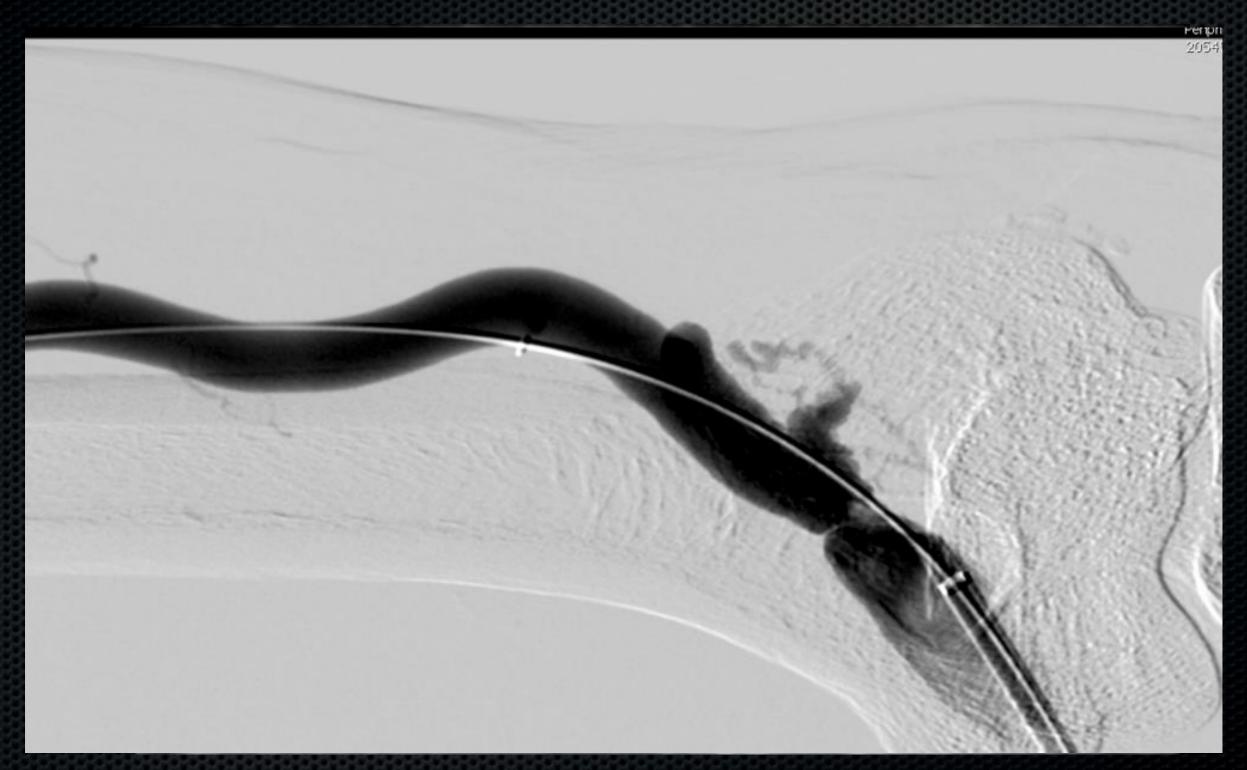


Mills Valvulotome



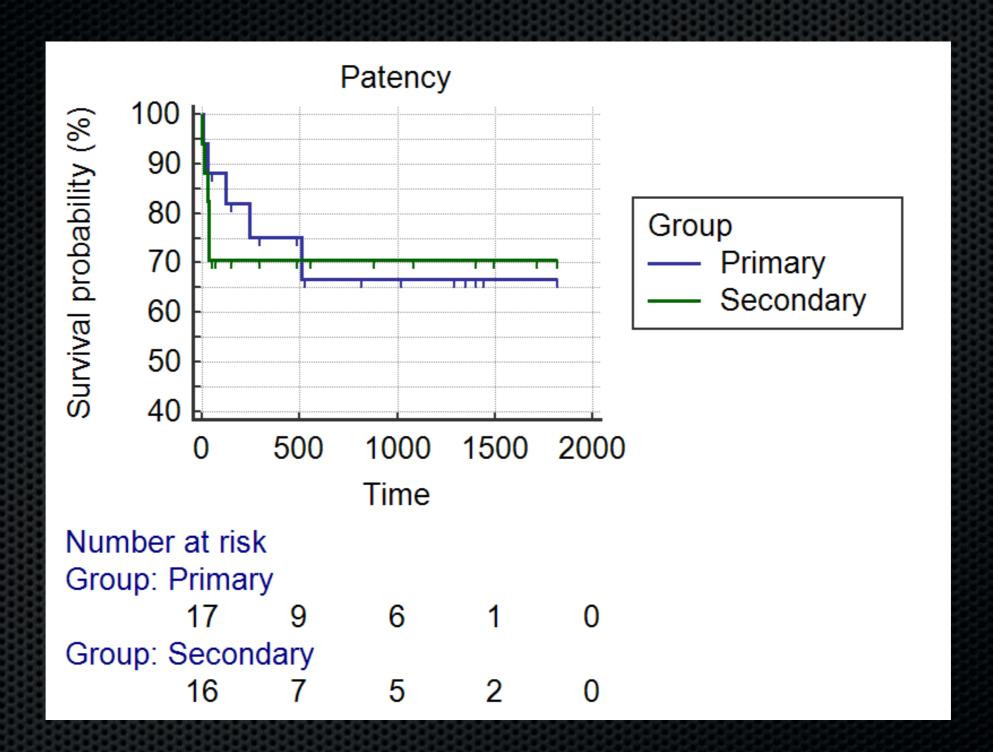


Retained Valve





Data



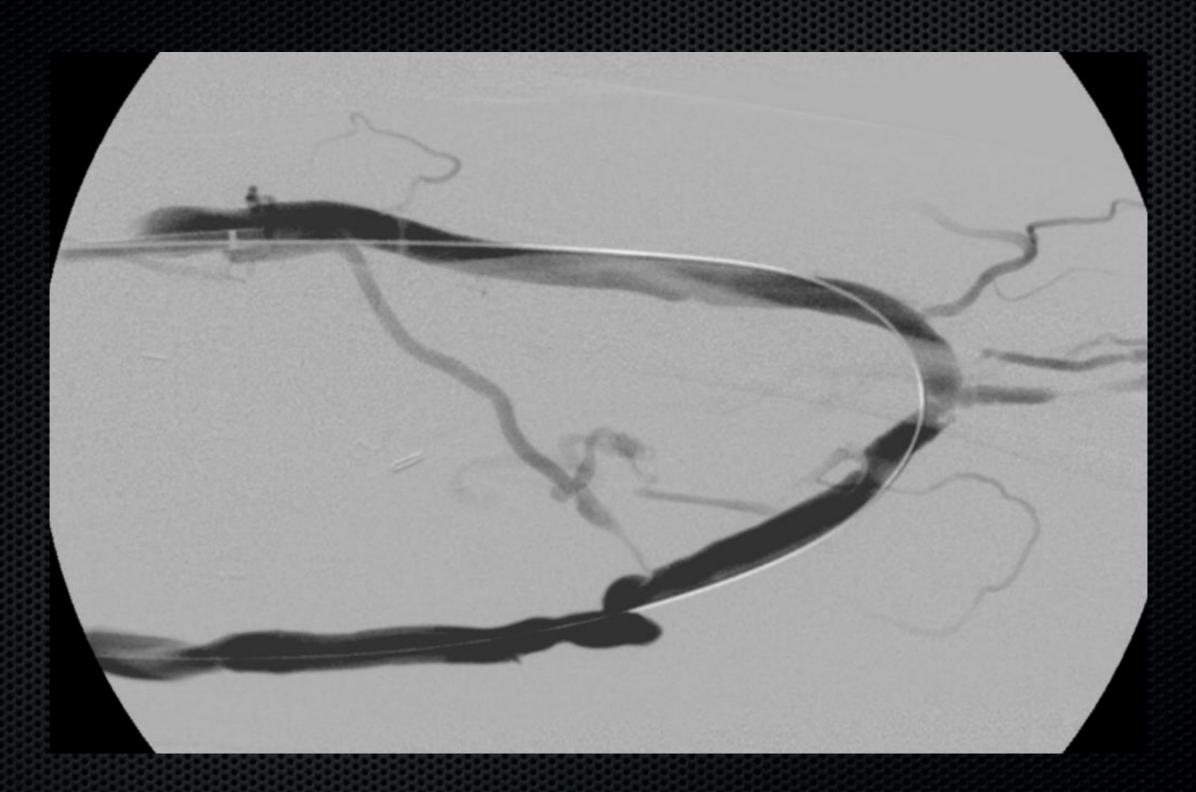


Data

	Reversed Flow	Retained Valve
Number	9	8
Technical success	8 (89)	8 (100)
Clinical success	5 (55)	8 (100)
Thrombosis	5 (55)	None



Outflow





Conclusion

- Two Devices
- Inline flow works well
- Reverse flow requires good outflow



Incompetent Valve

