

## AngioSculpt Pilot Study Summary

Restoring arteriovenous access: Pilot study using a scoring balloon in 50 patients

Study by Dr. J R Ross  
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### Key Takeaway:

- Results suggest that the **AngioSculpt** scoring balloon may be a viable treatment option for restoring stenosed **arteriovenous (AV) fistula/graft access**

### Objective:

- Determine safety and efficacy of AngioSculpt PTA in restoring AV fistula/graft access and examine patency

### Study:

- 50 patients with stenosed hemodialysis fistula/grafts treated with AngioSculpt
- Patients followed for six months
- Single-center prospective pilot study by Dr. Ross
- Lesions were short (mean: 4.56 mm)
- Investigator-initiated study, funded by Philips
- No randomized control groups

### Results

- The study reported **~70% reduction of stenosis** in AV fistulas/grafts immediately post-procedure
- Two- and six-month **patency rates** were **90.0%** and **80.9%**, respectively (studies for alternative forms of angioplasty report 50-60% patency rates)
- **No slippage/dissections** occurred
- **No device- or procedure-related complications** occurred through 30 days post-procedure

Procedural characteristics	Average
Six-month patency	80.9%
Pre-procedure stenosis	78 ± 13.4
Post-procedure stenosis	7.2 ± 7.6
Dissections (%)	0 (0%)
Slippage (%)	0 (0%)