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DEBATE: PTFE Grafts With Bonded Heparin (Propaten) Have Patencies Approaching Those Of Saphenous Vein Grafts For Lower Extremity Bypasses: The Bonded Heparin Makes A Difference

My disclosure

Consultant for W.L. Gore®

This is the 4th time Jonathan and I have debated this topic!

It's like deja vu all over again...

Yogi Bear

The Evidence

• Propaten RCT: primary patency 86.4% vs 79.9% at one year (<10% difference)

• No evidence of benefit at 5 years from trials of any other Heparin-bonded graft

Premature "congratulation"
Well, here are 5 year data
- 8 year prospective evaluation of all 130 femoral-popliteal bypasses performed by Sarasota Vascular Specialists using the Gore Propaten® heparin-bonded ePTFE graft and
- Compare it to the prior 4 year experience with 123 standard ePTFE grafts (Gore® and Atrium®)
CLI patients

- 44% improved patency at 5 years for patients with CLI
- Those are the patients we are actually operating on any way, since most claudicants these days are getting an endovascular procedure.

Italian Heparin-bonded PTFE graft Registry: participants centres

- Varese
- Firenze
- Reggio Emilia
- Avezzano
- Cesena

Results from a multicenter registry of heparin-bonded expanded polytetrafluoroethylene graft for above-the-knee femoropopliteal bypass

Primary and secondary patency


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Conclusion

Five year patency of heparin bonded grafts approaches that of saphenous vein