

Common Femoral Artery to Below Knee Popliteal Artery Bypass with a Ringed GORE PROPATEN® Vascular Graft in a Patient with Factor V Leiden

SYED M. HUSSAIN, MD, JENNIFER L. ASH, MD

Division of Vascular and Endovascular Surgery, HeartCare Midwest Department of Surgery, University of Illinois College of Medicine – Peoria, Illinois

CLINICAL CHALLENGE

The patient was a 73-year-old female with a history of coronary disease, hypertension, diabetes mellitus, ex-smoker, and Factor V Leiden on chronic COUMADIN® Tablet Therapy who presented with claudication upon walking 100 feet. The patient had tried medical therapy for six months which failed to relieve her symptoms. Doppler study revealed a resting right ABI of 0.46 and a left ABI of 0.89.

Angiography of the right lower extremity revealed an occluded superficial femoral artery and above knee popliteal artery with reconstitution behind the knee and below knee popliteal artery. Runoff was via two vessels: the peroneal and posterior tibial artery.

Percutaneous therapy was not an option due to a long TASC D occlusion.

PROCEDURE

A right common femoral to below knee popliteal artery bypass was performed with an 8 mm ringed GORE PROPATEN® Vascular Graft in the standard fashion.

Post procedure the patient had a palpable posterior tibial pulse and was symptom free.

COUMADIN® Tablet Therapy was restarted with LOVENOX® Therapy on post-procedure day two and patient was discharged home on post-procedure day three.

RESULTS

Three month follow-up revealed a widely patent graft on duplex exam with complete healing of the incisions and no peripheral edema.

One year follow-up revealed a widely patent graft on duplex ultrasonography and patient continues to be symptom free.

PHYSICIAN COMMENTS

The GORE PROPATEN® Vascular Graft is a viable option in patients with a history of hypercoagulable disorders. Furthermore, it serves as a good alternative to vein in patients who need below knee bypass surgery and vein is not available. Recovery time is quicker than for vein bypass and outcomes are equivalent thus far. Obviously, a higher number of bypasses to below knee arteries need to be done to assess for long-term patency and limb salvage.

W. L. GORE & ASSOCIATES, INC.

Flagstaff, AZ 86004

+65.67332882 (Asia Pacific) 800.437.8181 (United States)
00800.6334.4673 (Europe) 928.779.2771 (United States)

goremedical.com



Products listed may not be available in all markets.

GORE, PROPATEN®, and designs are trademarks of W. L. Gore & Associates. COUMADIN® is a registered trademark of Bristol-Myers Squibb Co. LOVENOX® is a registered trademark of sanofi-aventis LLC.

© 2009 W. L. Gore & Associates, Inc. AN0489-EN1 JUNE 2009

PERFORMANCE
through experience