

Using EKOS™ to Lyse Chronic Clot within Aortic Endograft Limb

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Patient History

79-year-old white male presented with a history of:

- Aneurix Aortic endograft (Medtronic) placement in 2006
- Left leg pain greater than 6 months
- Chronic clot for greater than 6 months located in left limb of endograft
- Left endograft limb stenosis at the level of the aortic bifurcation
- Aortogram performed confirming a chronic occlusion of left limb of the aortic endograft

Treatment

EKOS™ 18cm treatment zone device was placed:

- Device passed from left native iliac artery through thrombosed limb into proximal aorta
- Overnight (approx. 12 hr) intraarterial thrombolysis was performed with TNK at .25mg/hr (2.5ml/hr)

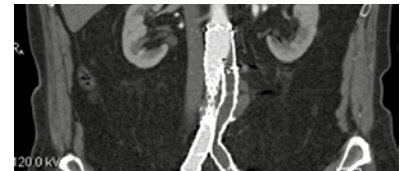
Results

Patient restudied the next morning:

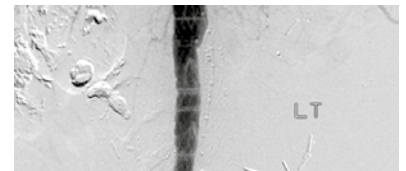
- Complete clearing of the chronic thrombus from the left limb of the graft confirming a tight stenosis at the aortic bifurcation
- Balloon angioplasty was performed with an Atlas (Bard Peripheral Vascular) high pressure balloon resolving the stenosis
- Final angio demonstrated brisk flow through the limb with no residual thrombus or stenosis

"Great result even with chronic thrombus."

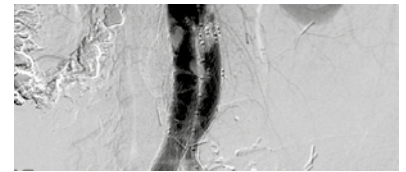
- Glenn W. Stambo, MD



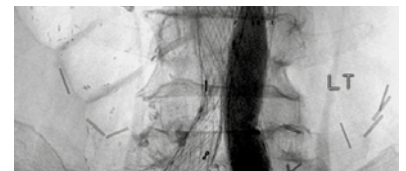
CTA of aorta -- chronic thrombosis of the left limb of the aortic endograft



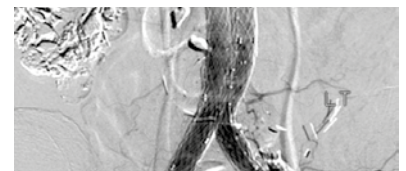
Pre-EKOS™ - Aortogram confirming chronic thrombosis of the left limb of the graft



Post-EKOS™ - Complete clearance of the chronic thrombus -- tight stenosis of the left limb at the aortic bifurcation



Balloon angioplasty of the left limb of the graft



Final angiogram demonstrating a widely patent aortic graft limb with no residual thrombus or stenosis

Imagine where we can go.

Indications for use: The EkoSonic™ Endovascular System is intended for controlled and selective infusion of physician-specified fluids, including thrombolytics, into the peripheral vasculature. The EkoSonic™ Endovascular System is CE Marked for the treatment of pulmonary embolism with a $\geq 50\%$ clot burden in one or both main pulmonary arteries or lobar pulmonary arteries, and evidence of right heart dysfunction based on right heart pressures (mean pulmonary artery pressure ≥ 25 mmHg) or echocardiographic evaluation. **Contraindications:** Not designed for peripheral vasculature dilation purposes. This system is contraindicated when, in the medical judgment of the physician, such a procedure may compromise that patient's condition. Such conditions include but are not limited to: Tortuous vascular anatomy compromising safe introduction of endovascular equipment - Conditions associated with increased risk of bleeding. See device instructions for use for complete prescribing information http://ekoscorp.com/international_enter.htm#Resources

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