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Patency of an Acutely Thrombosed Axillary-Subclavian Vein in a Woman with Paget-Schroetter Syndrome

Patient History

48-year-old female presented to the vascular medicine clinic with complaints of a 10-day history of pain and swelling in her right arm:

- Physical examination was significant for equal blood pressures in both arms with normal cardiac and pulmonary examination
- Marked edema of entire right upper extremity from shoulder extending into her hand
- Venous duplex ultrasound of right upper limb demonstrated acute thrombus of the axillary and subclavian veins
- Right upper limb venography via the basilic vein obtained under ultrasound-guided access revealed fresh thrombus occluding the axillary-subclavian veins

Treatment

EKOS® (18 cm treatment zone) device was placed and:

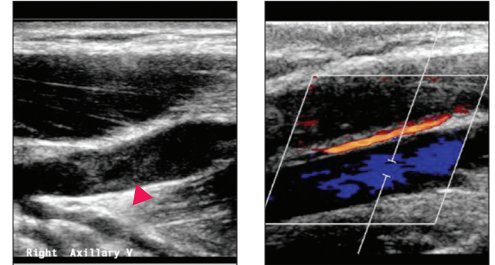
- EKOS® ultrasound-accelerated thrombolysis along with 2mg/hr tPA and
- 200 units heparin were delivered for 4 hours

Results

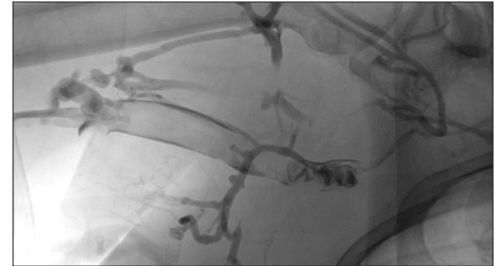
Patient restudied after 4 hours of thrombolytic treatment with EKOS®:

- Patency of the vein restored
- PTA of the residual subclavian vein stenosis with a 12 mm balloon catheter
- Patient tolerated a transaxillary rib resection without complications, and was discharged home with low-molecular weight heparin bridging to warfarin

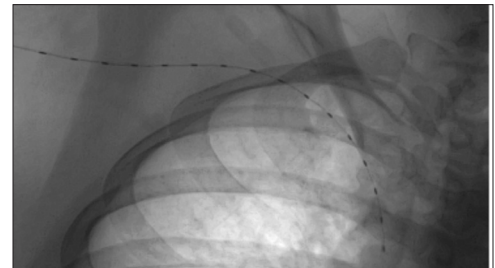
Duplex ultrasonography demonstrating acutely thrombosed axillary-subclavian veins



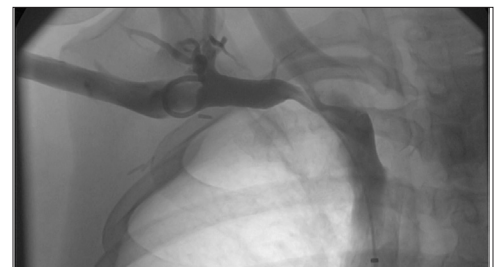
Venogram confirming acutely occluded axillary-subclavian veins



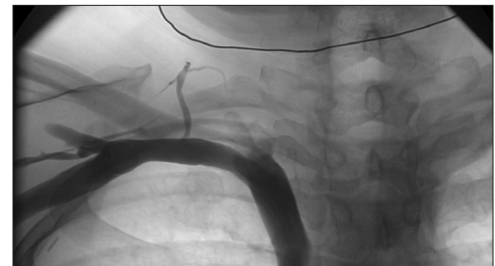
EKOS® device placed in thrombosed axillary-subclavian veins



4-hour venogram post-EKOS® illustrating widely patent subclavian vein



6-month f/u venogram post-lysis and first rib resection



FDA CLEARED INDICATIONS: The EkoSonic® Endovascular System is indicated for the ultrasound facilitated, controlled and selective infusion of physician-specified fluids, including thrombolytics, into the vasculature for the treatment of pulmonary embolism; the controlled and selective infusion of physician-specified fluids, including thrombolytics, into the peripheral vasculature; and the infusion of solutions into the pulmonary arteries. Instructions for Use, including warnings, precautions, potential complications, and contraindications can be found at www.ekoscorp.com. Caution: Federal (USA) law restricts these devices to sale by or on the order of a physician. EKOS® and EkoSonic® are registered trademarks of EKOS Corporation, a BTG International group company. BTG and the BTG roundel logo are registered trademarks of BTG International Ltd. © 2014 EKOS Corporation • US-EKO-2014-0611a

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