

CASE STUDY

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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 including the axillary-subclavian veins

Treatment

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

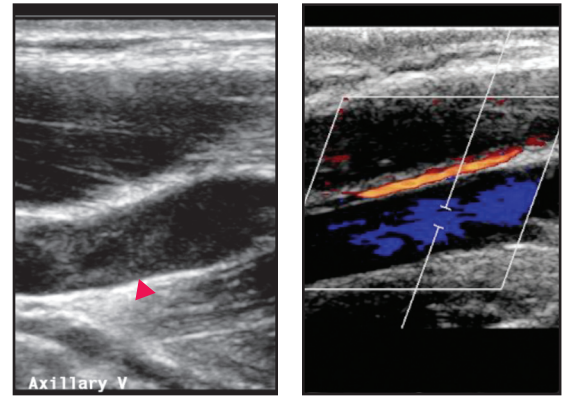
- EKOS ultrasound-accelerated thrombolysis along with 2mg/hr tPA and 200 units heparin were delivered for 4 hours

Results

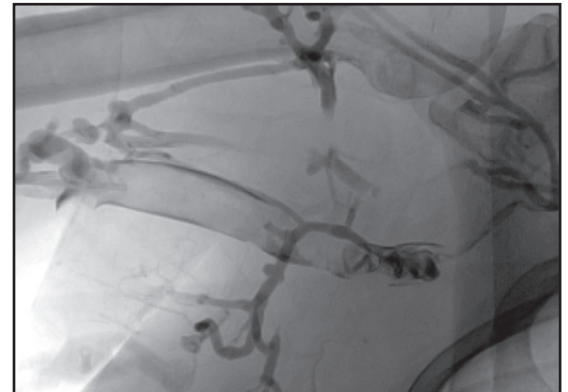
Patient restudied after 4 hours of thrombolytic treatment with EKOS:

- 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

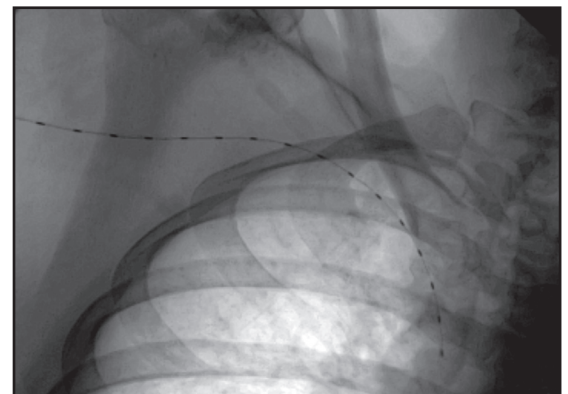
Duplex ultrasonography demonstrating acutely thrombosed axillary-subclavian veins



Venogram confirming acutely occluded axillary-subclavian veins



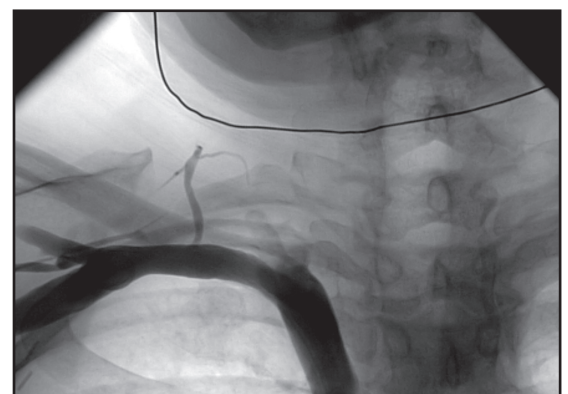
EKOS device placed in thrombosed axillary-subclavian veins



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



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



EKOS

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Intended Use The EKOS EkoSonic™ Endovascular Device is intended for controlled and selective infusion of physician specified fluids, including thrombolytics, into the peripheral vasculature. **Contraindications** * Not designed for peripheral vasculature dilation purposes. * This system is contraindicated when, in the medical judgment of the physician, such procedure may compromise the patient's condition. © 2008 EKOS Corporation • CE0197 • 21019-EN-001