

## Limb Salvage in Critical Limb Ischemia

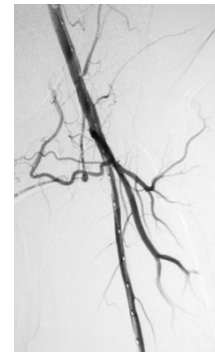
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### Patient History

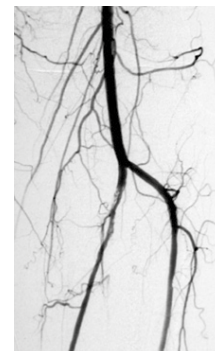
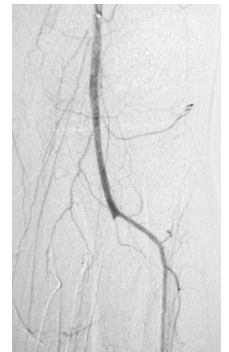
- 69yo male with uncontrolled diabetes presented with bilateral femoralpopliteal artery occlusions. The right foot was cadaveric and the left foot was critically ischemic (SVS IIB). Fourquadrant fasciotomy was performed on right leg with pending amputation of both legs
- EKOS™ Acoustic Pulse Thrombolysis™ Treatment
  - 50 cm EKOS™ device placed, contralateral approach
  - Infusion of reteplase at 0.5 u/hr for 4 hours, then reduced to 0.25 u/hr
- Duplex/Doppler at 1 hour demonstrated recanalization of the SFA
- Angiography at 6 hours confirmed total thrombus resolution in the CFA, SFA and popliteal arteries with TIMI III flow into the trifurcation area and single vessel runoff in the anterior tibial artery
- The dorsalis pedis pulse was detectable with Doppler and significant clinical improvement was noted with improved skin color and temperature and capillary refill
- EKOS™ device replaced with 3F infusion catheter with overnight infusion into tibio-peroneal trunk
- Follow-up angiography revealed a focal stenosis in the tibio-peroneal trunk
- Stent placement resulted in TIMI III flow in the left posterior tibial artery up to the left foot with a biphasic Doppler signal
- Patient underwent successful amputation of cadaveric right foot



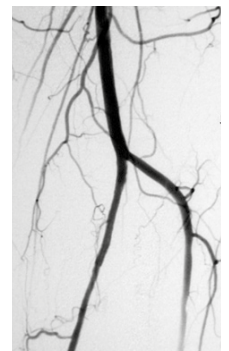
Pre EKOS™



6-hour



Post-EKOS™



Final

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 ≥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](http://ekoscorp.com/international_enter.htm#Resources)

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