

# EKOS Bibliography

## Clinical Applications

### Peer Reviewed

#### DVT and PAO

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## Non-Peer Reviewed Articles

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Raabe RA. "Ultrasound-Facilitated Thrombolysis in Treating DVT". Endovascular Today, April 2006, p1-4.

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## Safety of EKOS Technology

### EKOS ultrasound is safe in vivo

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Soltani A. "The safety of using low intensity ultrasound to enhance thrombolysis". Ultrasound in Medicine, 2006; 25:S89.

### Drugs are unaffected by EKOS ultrasound field

Soltani A, Soliday C. "Effect of ultrasound on enzymatic activity of selected plasminogen activators." Thrombosis Research, 2007; 119: 223-228.

Soltani A. "The safety of high frequency, low intensity ultrasound to enhance thrombolysis." Official Proceedings of ISTU 2005, 233-238.

## Science of Ultrasound Enhanced Thrombolysis

### Drug penetration into a clot is enhanced by ultrasound

Francis C, Blinc A, Lee S, Cox C. "Ultrasound Accelerates Transport of Recombinant Tissue Plasminogen Activator Into Clots". Ultrasound in Medicine and Biology, 1995; 21(3):419-424.

Raad, I, et al. Infectious Complications of Indwelling Vascular Catheters, Clinical Infectious Disease, 1992

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## EKOS proprietary waveforms are more effective at drug delivery

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## Gene Therapy

Amabile PG. "High-Efficiency Endovascular Gene Delivery Via Therapeutic Ultrasound". *Journal of the American College of Cardiology*, 2001; 37(7):1975-1980.

# EKOS

## Research Bibliography

### Pulmonary Embolism

The EkoSonic™ Endovascular System is intended for the controlled and selective infusion of physician – specified fluids including thrombolytics, into the peripheral vasculature. The EkoSonic™ Endovascular System is also intended for the infusion of solutions into the Pulmonary Arteries.

Disclaimer

Use of the EKOS System in pulmonary embolism has not been approved or cleared by the FDA. EKOS Corporation is the manufacturer of the EKOS Systems described in the reference(s) below. The author of this study has no financial interest in EKOS Corporation or its products.

Banovac, F., Buckley, D.C., et al. "Reporting Standards for Endovascular Treatment of Pulmonary Embolism". *Journal of Vascular and Interventional Radiology*, 2010; 21:44-53.

Chamsuddin A, Nazzal L, Kang B, Best I, Peters G, Panah S, Martin L, Lewis C, Zeinati C, Ho H, Venbrux A. "Catheter-directed Thrombolysis with the Endowave System in the Treatment of Acute Massive Pulmonary Embolism: A retrospective Multicenter Case Series". *Journal of Vascular and Interventional Radiology*, 2008; 19(3):372-376.

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## Stroke

The EkoSonic SV™ Endovascular System is intended for regional infusion of contrast materials into selected vessels in the neurovasculature. The EkoSonic SV™ Endovascular System may be used for controlled, regional infusion into selected vessels.

### Disclaimer

Use of the EKOS EkoSonic SV™ System in the treatment of ischemic stroke has not been approved or cleared by the FDA. EKOS Corporation is the manufacturer of the EKOS Systems described in the references below. The authors of these articles have no financial interest in EKOS Corporation or its products and received no compensation for writing the articles. The National Institutes of Health and EKOS Corporation provided funding for the IMS II study. There are no significant risks or safety concerns known to EKOS Corporation that are not discussed in the articles.

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