

EKOS tip sheet:

How it works:

- Ultrasound reversibly changes fibrin structure (unwinds the fibrin strands)
- Enhances transport into fibrin bundles creating a pressure wave that drives drug into the permeable clot
- Enhanced clot dissolution, not disruption

Pearls:

- Usual TPA dosing is 1 mg/hr to each DRUG lumen
- Usual dosing for coolant is 35 cc/hr to each COOLANT lumen
- Will either have low dose (non-therapeutic) Heparin or NS to sheath introducer
- **DO NOT ASPIRATE FROM EITHER LUMEN, ONLY INFUSE SOLUTIONS THE PROVIDER HAS SPECIFICALLY PRESCRIBED**
- EKOS (top left) and yellow light flashing (bottom left) are therapy running indicators
- **STOP** button is located on the bottom left of console; On/off button is located on back of console
- Ultrasound turns off automatically with any alarm condition and **must be manually restarted** by pushing the **Green** start button (ensure the **yellow** light is flashing)
- Troubleshooting icons appear at the bottom of the screen
- May press STOP button to pause ultrasound during doppler checks or any diagnostic ultrasound exam; **DO NOT STOP INFUSIONS**; restart ultrasound with exam is completed.
- **Always** press the STOP button to turn off ultrasound before removing the catheter
- Help number 1.888.356.7435 (24/7/365)
- If you get a downstream occlusion alarm on the IV pumps connected to the infusion ports, you may flush the lines.
 - a. Use a 3cc syringe (larger syringes apply too much pressure)
 - b. May take 2-3 flushes to clear the alarm
- If poor waveform noted when obtaining PA pressure, gently aspirate then flush the line with 10cc Normal Saline