Introduction: Miniaturized TEE probe revealed large clot as cause of hemodynamic instability following orthotopic heart transplant.

Case Report:
- 52 year-old-male, heart tx, following LVAD explant.
- Transferred to CTICU with low CO (CI 1.2-1.6 l/min/m², SVO₂ 48-51%, CVP 18 mmHg) despite extensive support: epi, norepi, vasopressin, dobutamine, milrinone, IABP and iNO.
- Mini TEE probe (hTEE, ImaCor, Garden City, NY, USA) placed to determine cause of instability, revealed large clot compressing LA. Immediate re-exploration, clot removed at bedside.
- Hemodynamics improved immediately with increase in CI and SCVO₂. Pt had good outcome, closed one day later, transferred to step down POD 8, discharged POD 13.

Conclusions:
- hTEE led to rapid diagnosis of tamponade physiology in unstable pt, resulting in immediate removal of clot.
- hTEE guided rapid weaning of pressors.
- Easy to place at bedside w/o echocardiologist.
- Replaced conventional TEE, which might be risky in coagulopathic patient.
- Added additional level of safety.
- Reduced OR time, reducing ICU LOS, offering potential cost savings.