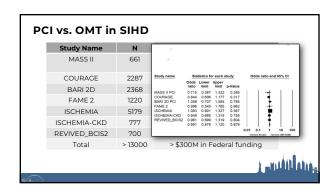
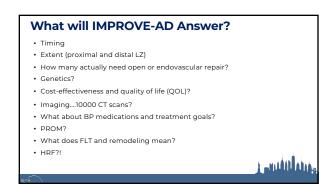
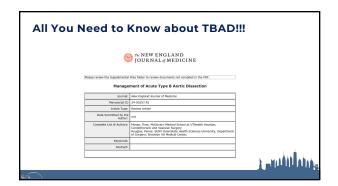


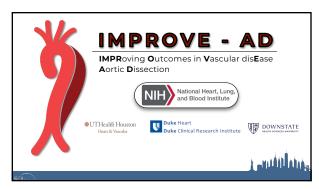
IS THERE EVER A REASON FOR TEVAR IN UTBAD OUTSIDE RCT?? SCREEN AND ENROLL YOU PATIENT IT IS THE RIGHT THING TO DO



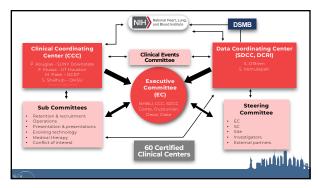
Why IMPROVE-AD We do not have a SOC that is based on high quality data OMT was the practice we inherited and it works/fails TEVAR is the practice we enjoy and think it might work in some but not without risks and failures OMT is DEFINITELY NOT the SOC and NEITHER IS TEVAR EQUIPOISE











Hypothesis

In patients with uTBAD, upfront TEVAR is superior to SOC of medical therapy + TEVAR and/or Open Repair when needed

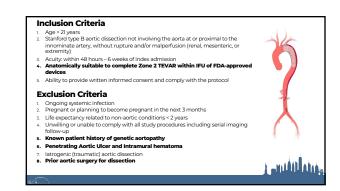


Primary Outcome 4-year endpoint of All-Cause Death & Major Aortic Complications (MAC): Rupture (clinical-pain, imaging-hemothorax/inflammation around aorta/hemoperitoneum) Visceral, renal or limb Malperfusion (Clinical, Laboratory and Imaging) New aortic tear requiring intervention Dependence on outpatient dialysis (chronic) Major amputation (above ankle) Tracheostomy fistula formation (e.g., aorto-esophageal, aorto-tracheal) Spinal Cord Ischemia with paralysis or paresis (power 0-2) Stroke modified Rankin Scale 2-5 AD-related intervention in either group defined as: Open TA/TAAA Repair

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Fenestrated and/or Branched Endovascular Repair of TAAA

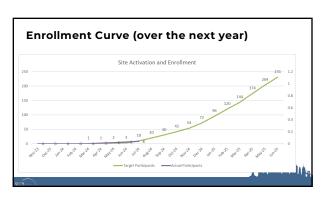
Repeat TEVAR



Proposed Ancillary Studies QOL and Health Economics and Outcomes Research (HEOR)-R01: GENETICS AND BIOREPOSITORY-R01 IMAGING (INDUSTRY): Industry Non-invasive hemodynamic and biomechanic imaging methods for early risk prediction in aortic dissection-Nick Burris-UM The Geometric Evolution of Aortic Dissections: Predicting Surgical Success with Shape. Luka Pocivavsek-UChicago









Tips for Enrolling

- Takes an hour to discuss with patient
- Let the dust settle (2-3 days)
- FIRST encounter: Residents screen \rightarrow coordinator \rightarrow PI
- Two known treatment which work fine. We do not know which is best
- Extra team to monitor BP, stent, medications
- Constice
- Nothing different from what you would normally get
- Racial, ethnic, cultural sensitivities



