**TECoG Progress Report for TSDA General Session**
**January 26, 2019**

Activities since April 2018

I. Administrative Activities
   a. Leadership turnover: Current chair, vice chair, secretary/treasurer rotate off in May 2019.
   b. Self-nomination to open in early 2019, followed by appointment process.
      i. Plan: open self-nomination in Jan 2019 -> appointment process from TSDA executive committee
      ii. Everyone who has desire to be TECoG member maintains status (open membership)

II. New Publications from TECoG
   a. Conducting high-quality research in cardiothoracic surgical education: Recommendations from the Thoracic Education Cooperative Group. Antonoff MB, Nguyen S, Nguyen TC, Odell DD. J Thorac Cardiovasc Surg. 2018
   b. Prospective Trial of Low-Fidelity Deliberate Practice of Aortic and Coronary Anastomoses (TECoG 002). Spratt JR, Brunsvold M, Joyce D, Nguyen T, Antonoff M, Loor G. J Surg Educ. 2018

III. Continued Work on Existing Protocols
   a. Journal club—PI, Mara Antonoff. We have 4 institutions actively enrolled at this time, +2 using curriculum off protocol. Plan: data analysis at the end of this academic year.
   b. Coaching—PI, David Odell. This is a video analysis for ongoing technical skill improvement whereby participants will receive feedback from peers on the conduct of the operation. Progress: Needs assessment under IRB review. Will plan to enroll faculty surgeons for peer feedback vs residents as their own peer group as pilot trial. Considerations will include cohort study design with vats checklist, creation of scoring rubrics. Integration plans under evaluation include mentorship programs, access via ACS, or offering via STS early career taskforce.
   c. Case volumes/distribution—PI, Rishi Reddy. This is through the Center for Surgical Training and research at Michigan. Methodology involves collaborating with industrial engineering faculty to analyze different case frequencies via simulator and math logistics to determine how much training time is needed to achieve competency. Planned projects: adequacy of training in 2 vs 3 yr environment; comparing actual cases to expected cases for male vs female trainees, TAVI—likelihood for trainees to achieve learning curve

IV. New Ideas Under Development
   a. Robotic Curriculum Initiatives—PI, Sam Kim. Standardizing robotic programs and assessment by writing a consensus statement. Early discussions have led to plan to formulate a survey to program directors and TECoG membership
   b. Faculty development project—PI, David Cooke. Under planning phases
   c. Esophageal anastomotic simulator—PI, Mark Orringer. Under planning phases.