

**TECoG Progress Report for TSDA General Session
January 25, 2020**

Activities since April 2019

- I. Administrative Activities
 - a. Leadership Transition: Election for new Chair (David Odell), vice chair (Ikenna Okereke), secretary/treasurer (Sam Kim) held in May 2019.
 - i. Mara Antonoff transitioned to Immediate Past Chair position
 - b. Membership
 - i. Everyone who has desire to be TECoG member maintains status (open membership)
- II. Presentations from TECoG
 - a. Are Esophagectomy Board Requirements Achievable? A Multi-Institutional TECoG Analysis of Esophageal Case Volume and Resident Scheduling. (PI. Mara Antonoff) – AATS Presidential Plenary Session
 - b. Postgraduate Technical Skills Development is an Un-Met Need in Cardiothoracic Surgery: Results of a National Survey (PI, David Odell) – AATS Oral Presentation
- 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. Peer Video Review —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: site for video submission has been developed. Institutional pilot underway to assess feasibility and technical issues with video editing and submission/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. In collaboration with industrial engineering faculty at the Center for Surgical Training and Research at the University of Michigan, a case volume simulator which combines case frequencies schedule logistics to determine training time needed to achieve competency in a given operation. Current projects include: adequacy of training in 2 vs 3 yr environment; comparing actual cases to expected cases for male vs female trainees, TAVR training to achieve learning curve
 - d. Robotic Curriculum Initiatives—PI, Sam Kim. Development of a consensus robotic training curriculum via a modified Delphi process. Initial curricular element list developed. Beginning survey of participants.
 - e. Esophageal anastomotic simulator—PI, Mark Orringer. Several programs enrolled for pilot deliberate practice simulation. .
- IV. New Ideas Under Development
 - a. Faculty development project—PI, David Cooke. In Development
 - b. Assessment of burnout and wellness in surgical training – PI, David Odell. Wil build upon current ABS-funded SECOND Trial concepts to assess the cardiothoracic training environment. In Development