



Background

- Emergency Ultrasound (EUS) within Emergency Medicine (EM) is becoming standard of care for multiple procedures and integrated into residents and medical student training nationwide
- There is growing need for expansion of resident and physician credentialing and billing within EUS
- Incorporating trainees including medical students and residents into the extensive credentialing, billing and quality assurance (QA) process early on will establish early understanding and deepened education opportunity within EUS and medical education

Objectives

- Develop an innovative approach to a necessary QA process model that incorporates trainees can expand robust offerings for medical education
- In tandem with QA process, develop EUS education program that is a complimentary educational curriculum to include medical students and resident education
- Develop easily adaptable model for fellowship and EUS divisions to utilize for QA and education curriculum

Photos



Figure 1. Socially distanced virtual QA meeting with EUS faculty, residents and medical students.

Methods

- Utilize software including QpathE (EUS storage) and REDCap (secure web application for data) to streamline data storage and case review
- Monthly QA meetings held with trainees and faculty, followed by in-depth discussion with faculty about improved methods for implementation of data storage, resident involvement and process
- Feedback collected from residents, medical students and faculty for strengths, weaknesses and opportunities for QA process
- Data will be analyzed and incorporated into improvement plan

Measuring Outcomes

- Evaluation plan includes quarterly evaluation of QA process with major stakeholders (EUS director, fellow, faculty)
- A quality improvement plan will be created and objectives established to incorporate robust teaching into meetings for trainees and improving data storage through software

Conclusions

- This innovative project allows for significant collaboration between EUS faculty and residents, and establishes trainee exposure within the unique process of QA
- Establishing an innovative approach to a necessary QA process model that incorporates trainees can expand robust offerings for education and be implemented in other institutions

