

C-49 "POCUS: Easier than You Think." Point of Care That Matters

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Objective

After completion of this session, the participant will be able to:

- Incorporate POCUS in the perioperative setting.

Case Stem Question

Point of care ultrasound (POCUS) especially cardiac and lung ultrasound becoming the standard of care in Critical care and requirement for Anesthesiology applied examination. Variety POCUS protocols and shortage of qualified faculty to mentors make POCUS confusing and intimidating for many general anesthesiologists. Using "bread and butter" cases where POCUS changed the anesthetic management, we will discuss the feasibility of using POCUS, questions it may answer, pitfalls and briefly discuss most commonly used protocols.

Guiding Questions for Discussion

- POCUS as a problem-oriented exam, what to ask?
- Interpretation of POCUS, how hard it is?
- Focused cardiac ultrasound, right ventricle, left ventricle and in-between.
- Chronic pulmonary hypertension vs acute right ventricular failure?
- Low left ventricle ejection fraction, is that scary? How to manage?
- Acute right ventricular failure, circle of death. How to prevent? How to treat?
- Intra-operative hypotension- can POCUS narrow my differential diagnosis?
- Heart and lung ultrasound as a hemodynamic monitor?