

# EMERGENCY MEDICINE **ULTRASOUND WORKSHOP**



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No Financial  
disclosures

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## Education

- 2 Camps
  - Sono-savvy – needs to bring others up to speed
  - Sono-Learner – needs self education

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## Education

- Camp 1 – Sono-savvy
  - Will be looked to as a leader and for guidance in your own department and in the house of medicine.
- Camp 2 – Sono – learner
  - Focus on self education

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## Education

- Resources
  - Do you have a machine in you department?
    - Machine purchase paired with education: need both for success.
    - Conferences to develop new new skills
    - Scan real patients to reinforce and retain new skills

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## Education

- FOAM

- <http://www.ultrasoundpodcast.com>
- <http://lifeinthefastlane.com/ultrasound-in-emergency-medicine/>
- <http://sonospot.com>
- <http://www.emergencyultrasoundteaching.com>
- <http://www.sonoguide.com>
- <https://www.sonoworld.com>
- <http://www.youtube.com>

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## Education

- Books





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## Education

- Conferences: flipped classroom = hands on > lecture
  - Traditional: participant travels
    - Castlefest and Bendfest
  - Imported: Conference travels to you
    - Training for department and hospital staff.

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## Education

Advanced Health Education Center (AHEC)

([www.aheconline.com](http://www.aheconline.com))

- Australian Institute of Ultrasound

([www.aiu.edu.au](http://www.aiu.edu.au))

- Emergency Ultrasound Course

([www.emergencyultrasound.com](http://www.emergencyultrasound.com))

- Essentials of Emergency Medicine

([www.uscessentials.com](http://www.uscessentials.com))

- Gulfcoast Ultrasound Institute

([www.gcus.com](http://www.gcus.com))

- Ohio ACEP

([www.ohacep.org/aws/OACEP/pt/sp/cme\\_ultrasound](http://www.ohacep.org/aws/OACEP/pt/sp/cme_ultrasound))

- Mediterranean Emergency Medicine Congress

([www.emcongress.org/](http://www.emcongress.org/))

- WINFOCUS

([www.winfocus.org](http://www.winfocus.org))



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## Education

- Conferences: flipped classroom = hands on > lecture
  - Traditional: participant travels
    - Castlefest and Bendfest
  - Imported: Conference travels to you
    - Training for department and hospital staff.
  - Society Based Courses
    - ACEP
    - AAEM
    - SAEM
    - ACP
    - AIUM

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## Education

- Pitfalls
  - Buy in from the entire department and leadership
  - No machine in your department
  - Relying on other departments to train your department
  - Biting off too much too soon
  - Follow up the course with clinical practice!!!!!!

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## Education

- Competency
  - 25-50 quality reviewed exams in a particular application
  - 150-300 exams depending on number of applications being used
  - Procedural exams take fewer given prior experience.

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## Education

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## Questions

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## POCUS Privileging

- Credentialing – criteria required by all physicians in order to be appointed to medical staff.
- Privileging –specific services or procedures granted to individual physicians or groups of physicians
- Hospital Governing board has ultimate decision on credentialing/privileging (based on recommendations from MEC and credentials committee)



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## POCUS Privileging

- AMA HB 802
  - In 1999, the AMA House of Delegates approved a resolution recommending hospitals' credentialing committees follow specialty specific guidelines for hospital credentialing decisions involving the use of diagnostic ultrasound
  - ACEP, ACP, AAFP, SCCM

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## POCUS Privileging

- AMA HB 802
  - In 1999, the AMA House of Delegates approved a resolution recommending hospitals' credentialing committees follow specialty specific guidelines for hospital credentialing decisions involving the use of diagnostic ultrasound
  - ACEP, ACP, AAFP, SCCM
  - Privileging is awarded or denied based solely on documented training, experience and current clinical competence,

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## POCUS Privileging

- Turf Battles
  - The best way to avoid losing a privileging conflict is to never have one in the first place.
  - Transparency – QA, involve radiology from the beginning
  - Collaboration – what other depts have a vested interest in POCUS
  - Evidence – share with radiology, admin, and hospital staff

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## POCUS Privileging

- Pathways
  - Residency: Residency trained
  - Practice Pathway: Guided by professional society

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## POCUS Privileging

- Pathways
  - Residency: EM residency trained
  - Practice Pathway: Guided by professional society
    - Precepting: Gain experience/learn while supervised by privileged staff member or via conference
    - Proctoring: Providing confirmation of skills already asserted by the practitioner
    - ACEP guidelines: 25-50 quality reviewed exams of each application or up to 150-300 exams reviewed depending on the number of applications.

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## Questions

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## Imaging Archiving and Billing

- Reasons to archive
  - Quality assurance
  - Care coordination
  - Trust and Transparency
  - Billing

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## Imaging Archiving and Billing

- Archiving options
  - Middlewear – software that sits between your EMR and PACs
  - Direct to PACs
- Simpler is better



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## Imaging Archiving and Billing

- Billing requirements
  - Permanently archived image
  - Order
  - Radiology style note
    - Indication
    - View
    - Findings
    - Impression

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## Questions