



EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

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>

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

Education

- Books

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

Education

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

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

Education

Advanced Health Educa5on Center (AHEC)
(www.aheconline.com)

- Australian InsStute of Ultrasound
(www.ausai.org.au)
- Emergency Ultrasound Course
(www.aheconline.com/emergency-ultrasound-course)
- EssenSals of Emergency Medicine
(www.essem.com)
- Gulfcoast Ultrasound InsStute
(www.gulfcoastultrasound.com)
- Ohio ACEP
(www.ohioacep.org)
- Mediterranean Emergency Medicine Congress
(www.emcongress.org)
- WINFOCUS
(www.winfocus.org)

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

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

**EMERGENCY MEDICINE
ULTRASOUND WORKSHOP**

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!!!!!!!


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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.

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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!!!!!!

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Questions


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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)


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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,

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



POCUS Privileging

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

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



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.

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Questions


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Imaging Archiving and Billing

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


EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Imaging Archiving and Billing

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

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Imaging Archiving and Billing

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

EMERGENCY MEDICINE
ULTRASOUND WORKSHOP



Questions
