**Components of AKFMR Ultrasound Education**

All Residents

* Introductory US Course
  + Late June or July
    - 4-16hrs
    - Lecture and Hands on
* Residency didactics
  + Minimum of 1hr per month
    - Lecture and Hands On
* Inpatient Medicine, ICU & Family Med Clinic
  + Expected to log > the following
    - Limited Abdominal x 5
    - Lung x 5
    - DVT x 5
    - IVC x 5
    - Central Lines x 5
    - Thoracentesis x 5
    - Paracentesis x 5
    - Cellulitis vs Abscess x 5
  + Scans saved and over-read or standard imaging eventually obtained
* Procedure Clinic
  + Every Injection or Aspiration is attempted US guided
* MSK
  + Take portable US to games
    - Log > 5 sideline evaluations
* Afternoon in ER with US trained ER doc
  + One afternoon per month while on ER (4 months)
* Rural ER
  + Most locations without CT or MRI.
  + Residents encouraged to Use
  + Scans saved and over-read or standard imaging eventually obtained
* OB / Gyn
  + Fetal position/lie
  + Dating

Residents Who Choose US Focus

* Additionally add US elective
  + Several US fellowship trained ER docs who can work with them
  + Learn scanning technique with ultrasonographers
  + Self-study see resources
    - Can simultaneously be POCUS Scanner on call in clinic or in hospital
* Strive to log 25-50 scans for each study
  + Scans saved and over-read or standard imaging eventually obtained
* Anticipate using CME time and money to pursue further training in US

**Ultrasound Resources**

Dawson and Mallin, Introduction to Bedside Ultrasound (free on Itunes)

[https://ultrasound.guide/](https://urldefense.proofpoint.com/v2/url?u=https-3A__ultrasound.guide_&d=DwMGaQ&c=KoC5GYBOIefzxGAm2j6cjFf-Gz7ANghQIP9aFG9DuBs&r=RJVgdwR2dXYgOi2V6ExTnwWpzY-iNBoctsExJJFtrteGJQT9l-dZDdFESD1Wcltk&m=_XZEOcusNF_kB-3OJGHW5YEk-b-s4MIiw8_6GYkAFDc&s=H1bkvPQmpyymZfHqExvVBY-9eriCaIQ_nPKdyox194c&e=) Yale’s Ultrasound Guide

<https://sonoworld.com/Client/CME/CMEPortal.aspx> - Videos for purchase, if you want or need one please let us know so we can consider purchasing for the residency.

<https://www.dropbox.com/sh/ah40031e08krzj0/AAAEQQQXTTQH203hc6MzJgNma?dl=0> - Ultrasound Leadership Academy and Others

**Point of Care Resources:**

<http://5minsono.com/>

[POCUS Atlas](http://www.thepocusatlas.com)

**Courses:**

<http://www.susme.org/learning-modules/learning-modules/>

<https://pocus.org/>

<http://sonospot.com/>

[https://www.aium.org](https://www.aium.org/)

[https://globalultrasoundinstitute.com/courses/gusi-master-course/](https://urldefense.proofpoint.com/v2/url?u=https-3A__globalultrasoundinstitute.com_courses_gusi-2Dmaster-2Dcourse_&d=DwQGaQ&c=KoC5GYBOIefzxGAm2j6cjFf-Gz7ANghQIP9aFG9DuBs&r=RJVgdwR2dXYgOi2V6ExTnwWpzY-iNBoctsExJJFtrteGJQT9l-dZDdFESD1Wcltk&m=Q36nXM21dj98wzJ9sGNBpF25ibmj_WTbgblEc7R82n0&s=hcMzOWUlcftP37Bv-DEd72XkeAErM3WAklGjB0szZok&e=) GUSI

<https://courses.practicalpocus.com/> Free Covid

**ER Resources:**

<https://www.emsono.com>

<http://www.ultrasoundninja.com/>

[http://www.Emergencyultrasoundteaching.com](http://www.emergencyultrasoundteaching.com)

<https://www.saem.org/education/saem-online-academic-resources/topics/ultrasound>

<https://sites.google.com/site/mghedus/home>

<http://www.emergencyultrasoundteaching.com/galleries/image_galleries/procedural_images/index.php>

<https://acep.org/sonoguide/introduction.html>

**Echocardiography:**

<http://pie.med.utoronto.ca/TTE/index.htm>

**MSK:**

Jacobson, Jon A. Fundamentals of Musculoskeletal Ultrasound-2nd Ed. Elsevier. 2013.

[https://www.essr.org](https://www.essr.org/)

[ESSR Ankle](https://drive.google.com/open?id=0B9TEdvOry-saWHp5dWxCNnIzU2M)

[ESSR Knee](https://drive.google.com/open?id=0B9TEdvOry-saZUtXVDcwR0FFYUE)

[ESSR Hip](https://drive.google.com/open?id=0B9TEdvOry-saV2NCYTlIdWY1c0k)

[ESSR Shoulder](https://drive.google.com/open?id=0B9TEdvOry-sab0JpN2F2OGJNMW8)

[ESSR Elbow](https://drive.google.com/open?id=0B9TEdvOry-saa2xTNlhzc0dta2M)

[ESSR Wrist](https://drive.google.com/open?id=0B9TEdvOry-saRUQtMHVXMUdVU3c)

**Nerve Blocks:**

<http://highlandultrasound.com/> - Nerve blocks

**Apps (at least on iphone)**

Sonosupport

1 Minute US