

Stony Brook Sono
EM Resident Rotation

Duration: 2 weeks

Location: ED/ICU

Resident Goals:

- 1) Review basic sonographic anatomy.
- 2) Interpret and identify normal from gross pathology for each application.
- 3) Meet the ACEP minimum of 25 scans per application for credentialing
6 core applications: E-FAST, Cardiac, Biliary, GU/Renal, Aorta, Pelvic
Additional exams: DVT, Thoracic, Transvaginal, MSK, Ocular, Soft Tissue

Basic (Flexible) Outline:

Week 1:

Thursday

Introduction to rotation and SonoSim

Friday

EFAST

Monday

Cardiac & Lung

Tuesday

Image Review & take ACEP online exam for this week's applications

Wednesday

Aorta/Renal

Week 2:

Thursday

Biliary

Friday

DVT / vascular access

Monday

Pelvic

Tuesday

Image Review & take ACEP online exam for this week's applications

Wednesday

MSK/ Ocular/ Soft tissue

Asynchronous learning during rotation

- 1) SonoSim for each application described above
- 2) Review *Ultrasound Physics* lecture on one of the emergency ultrasound teaching websites below
- 3) Read assigned topic for the day - can use any or all of the websites below based on your learning style

Each Tuesday the ultrasound division wants you to complete the ACEP online test for the required reading topics for the week. The test can be found at <https://www.emsono.com/acep/exam.html> Please email me that you have completed the tests. Please shoot for a score of 70%.

Itinerary:

First Thursday:

Meet one of the ultrasound faculty in the resident room behind Kristen's desk in the Admin office. You will be given an orientation to the SonoSim machine and begin some hands-on applications in the Emergency Department.

Each Tuesday:

Meet in the resident room behind Kristen's desk to QA images, review literature, and receive a lecture on one particular topic

Wednesday after conference:

Scan on your own, with the teaching residents, or with ultrasound faculty

Other week days:

Most scanning shifts will be supervised but you will be notified ahead of time of the shift schedule by faculty or the teaching resident.

When scanning on your own, shoot for a minimum of 20 studies, and pan scan as much as you can. Patients are usually happy to participate! Please be proactive.

-The above is slightly subject to change and we will text throughout the rotation for any changes.

Goal: complete at least 60 studies and submit worksheets

10 in each of the 6 major exams – Aorta, Cardiac, FAST, Gallbladder, Renal, and Pelvic (OB or Gyn transabdominal or transvaginal).

Image Acquisition:

- Please review “Exam Specific Guidelines” document to understand what images and documentation are appropriate to receive credentialing for the studies completed.
- It is okay to save as many clips as you like. Still images are fine when making appropriate measurements or calculations.
- Label right & left, and other views as necessary for educational scans (PSL, PSS, etc). NOT necessary when scanning clinically.
- Do not make definitive statements on images that are uninterruptable, ie very poor LUQ view and you document “no FF in LUQ”
- Qpath to complete & submit worksheets so we can appropriately QA them on Tuesday
 - o Choose appropriate “exam type” in QPath to load corresponding worksheet
 - o Please be sure to fill in patient name, MRN and your name (& attending if applicable)
 - o Label scans in Category as “Educational”

To help with your Qpath worksheets, I advise on your last image screen to free text your interpretations and which scans were clinically indicated vs. educational scans.

Free Resources and Websites:

www.sonoguide.com

ACEP educational ultrasound website. Includes most if not all of info needed for the tests.

www.ultrasoundpodcast.com

This is a great website with tons of awesome easy to listen to, free lectures.

http://www.emergencyultrasoundteaching.com/narrated_lectures.html

Awesome all-encompassing free website from university of South Carolina

<https://vimeo.com/aeus/videos>

More narrated ultrasound lectures from SAEM

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