

**University of Florida Critical Care Ultrasound**  
**Ultrasound - One month elective Goals - CCM rotation**  
**(updated 6/1/15)**

Coordinate 1 vs 1 sessions with Dr. Patel *PRIOR* to start of rotation via email : [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) (probably 1 hour each week)

**Goal:** By end of rotation you should have completed a significant portion of the online learning module components and performed 25 studies. Follow the weekly guidelines below. If taking vacation, you should be able to complete the below components by combining any of the weeks into one week.

**Prior to starting read these articles:**

1. Read article (ACCP): <http://ccm.anest.ufl.edu/files/2012/08/ACCPGuidelines.pdf>
2. Read article (SCCM): <http://ccm.anest.ufl.edu/files/2012/08/SCCMGuidelines.pdf>
3. Must have a “**case of the month**” where fellow researches the current literature regarding this subject and composes a short ppt or keynote presentation reviewing the case (10-20 slides with at least 5-10 articles as references). *Please be prepared to write up your case report for a publication as well and turn this in by the end of the month; coordinate with Dr. Patel regarding image/case*

**Week 1 (~ 15 hours):**

1. Follow instructions on PDF located on ultrasound website to log in to your Qpath account. This will be useful for the year in learning how to review your films: <http://ccm.anest.ufl.edu/files/2012/12/QpathInstructions.pdf>
2. Complete Basics Module and Self learning exams located at: <http://ccm.anest.ufl.edu/education/ultrasound/basic-module/>
3. Complete Procedural Guidance Module and Self Learning exams located at: <http://ccm.anest.ufl.edu/education/ultrasound/procedural-guidance-module/>
4. Use Zonare ultrasound machine TIP sheet to familiarize yourself with machine and record/save image and clip or YOUR own radial artery: <http://ccm.anest.ufl.edu/files/2012/08/Zonare-instructions.pdf>
5. Use ultrasound machine at SAVE *at least* 5 studies with your name of vascular evaluation of the internal jugular vein and artery (each study should include a freeze image of vein and artery in combo, one image of vein collapsed, and one clip of vein collapsing)
6. Review Competencies to be achieved by end of fellowship: <http://ccm.anest.ufl.edu/files/2012/09/Critical-Care-Vascular-Procedural-Ultrasound-Competencies.pdf>

**Week 2 (~20 hours):**

1. Complete Transthoracic Echo Basic Module and Self Learning Exams located at: <http://ccm.anest.ufl.edu/education/ultrasound/echocardiogram-basic-module/>
2. Review hTEE when to use: <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/hTEEREquirements2014-15.pdf>
3. Review hTEE how to save: <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/hTEE-how-to.pdf>
4. Review hTEE troubleshooting tips: <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/Trouble-shooting-tips-for-hTEE.pdf>
5. Use ultrasound machine to SAVE *at least* 5 studies of Parasternal Long axis view of the heart. Obtain still images for evaluation of pericardial effusion and clips for evaluation of left ventricle function.
6. Each day, ask the fellow on the unit if any HTEE is being performed, if so, save *at least* 3 studies throughout the week (this can be done on multiple patients)
7. Review Competencies to be achieved by end of fellowship: <http://ccm.anest.ufl.edu/files/2012/09/Critical-Care-Basic-Echocardiogram-Ultrasound-Competencies.pdf>

### **Week 3 (~15 hours):**

1. Complete Advanced Echo Module and Self Learning Exams: <http://ccm.anest.ufl.edu/education/ultrasound/echocardiogram-advanced-techniques-and-uses/>
2. Complete Shock Module: <http://ccm.anest.ufl.edu/education/ultrasound/shock-module/>
3. Use ultrasound machine to SAVE *at least* 5 studies of Parasternal Short axis of the heart. Obtain Still images for evaluation of pericardial effusion and clip for evaluation of left heart function
4. Complete Abdomen Module and Self Learning Exams: <http://ccm.anest.ufl.edu/education/ultrasound/abdominal-trauma-module/>
5. Review Abdomen Competencies to be achieved by end of fellowship: <http://ccm.anest.ufl.edu/files/2012/09/Critical-Care-Abdominal-Ultrasound-Competencies.pdf>
6. Use ultrasound machine to SAVE *at least* 5 studies of the right upper quadrant showing kidney/liver/diaphragm interfaces using still and clip images

### **Week 4 (~15 hours):**

1. Complete Basic Lung Module and Self Learning Exams: <http://ccm.anest.ufl.edu/education/ultrasound/lung-module/>
2. Complete Advanced Lung Module and Self Learning Exams: <http://ccm.anest.ufl.edu/education/ultrasound/advanced-lung-module/>
3. Review Competencies of Lung to be achieved by end of fellowship: <http://ccm.anest.ufl.edu/files/2012/09/Critical-Care-Pleural-Ultrasound-Competencies.pdf>
4. Review Final Observed Exams that will be performed at end of fellowship: <http://ccm.anest.ufl.edu/education/ultrasound/observed-exam-forms/>
5. Use ultrasound to SAVE *at least* 5 studies of lung evaluation (save still and clip images of anterior chest and lateral chest for evaluation of pleural effusion and A lines/B lines)