

# **University of Florida Critical Care Medicine Ultrasound Curriculum Schedule** **2015-2016 (updated 6/1/15)**

1. **Ultrasound Lecture Series**: Monthly didactic component of core topics (Vascular/Procedural guidance, FAST, TTE, Lung)
2. **Introductory Workshop**: Review of curriculum, introduction to machines used at Shands, and basic review of the core applications performed in ICU setting through multimedia lectures and interactive cases
3. **CCM Journal Club**: Quarterly journal club occurring during noon lecture presented by fellow (<http://ccm.anest.ufl.edu/education/ultrasound/journal-club-articles/>)
4. **Quality Review**: Monthly Q&A process to review with faculty/fellows (<https://com-anest-ccm.sites.medinfo.ufl.edu/files/2013/05/QA-CCM-Ultrasound.pdf>)
5. **Joint EM/CCM/MICU Journal club**: Joint discussion between Emergency Medicine and ICU's (<http://ccm.anest.ufl.edu/education/ultrasound/journal-club-articles/>)
6. **Critical Care Ultrasound Research Interest Group**: Multi-disciplinary research; (<http://ccm.anest.ufl.edu/education/ultrasound/critical-care-ultrasound-research/>)
7. **Precourse/Postcourse training exams**: At beginning and end of fellowship (for fellows); includes multiple choices and video recognition
8. **Self Directed Learning**: Published reading material distributed monthly, video, and web based learning instruction modules (<http://ccm.anest.ufl.edu/education/ultrasound/observed-exam-forms/>)
9. **Bedside Proctored Practice & CCM Ultrasound Scanning Rounds**: Monthly patient proctored experience for fellows (Individual trainers vary by month). Ultrasound scanning rounds occur on Tuesdays from 3:30 to 4:30 pm in order to obtain abnormal scans for trainees to place into portfolio (other physicians may coordinate individual sessions – email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
10. **Hands On Training Simulation Sessions (@UF Anesthesia Simulation Center)**: Simulated training sessions on specific core ultrasound procedures by faculty; as well as tricks of the trade in obtaining images from our ultrasound techs; 3rd Wednesday of each month 2-4 pm
11. **Critical Care Ultrasound Conference**: Topics covered include lung, basic TTE, hTEE, vascular, procedural, abdominal; focused toward attending physicians to supplement didactic series as a review conference (April 2016)
12. **Individual competence based test**: Real time ultrasound competency evaluation at end of year for fellows for completion of ultrasound curriculum
13. **Advanced ICU ultrasound lectures**: critical care focus topics change from system based to problem based; ultrasound for the evaluation of: Hypotension, Respiratory Distress, Oligoanuric Patient, Cardiac arrest & ROSC

**A= Attendance Mandatory for CCM fellows; Self Directed Learning to be completed**

## **Curriculum Breakdown**

**25 Didactic hours**

**50 Self Learning hours**

**24 “Hands On” Simulation hours (optional)**

**16 Mini Conference hours (optional)**

**12 Research Interest group hours (optional)**

**40 Scanning round hours (optional)**

**167 total hours available towards curriculum (other CME from various sources will be accepted into individual ultrasound portfolio, please submit to [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))**

**\*\*ALL dates subject to change, please review most current CCM schedule, or email rohitpatel@ufl.edu if interested in attendance\*\***

## **July**

### **Didactic Module - Ultrasound Basics: Probes and Modes**

**<http://ccm.anest.ufl.edu/education/ultrasound/basic-module/>**

1. **A Self Directed Learning (Didactic Module) including Self Learning Tests (4 credit hours)**
  - a. Video (Procedural): <http://www.sonosite.com/education/learning-center/59/1406>
  - b. Slideset (Procedural): <http://www.icmteaching.com/ultrasound/venous/vascular%20access/>
  - c. Reading: Moore CL and Copel JA. Point of Care Ultrasonography Current Concepts NEJM. 2011;364:749-57 (<http://ccm.anest.ufl.edu/files/2012/08/Point-of-care-US.pdf>)
  - d. Reading & Video (Modes of ultrasound): <http://www.criticalecho.com/content/tutorial-2-modes-ultrasound>
  - e. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
2. **A Introductory workshop 1 & 2 sessions:** ST 4016; July 10 (12-2pm); July 15 (12-2pm) Basic Vascular, Abdomen, Transthoracic, and Lung ultrasound exams
3. **A hTEE Workshop:** ST 4016; July 8 (12-5pm)
  - a. **hTEE (hemodynamic TEE): When to use:** <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/hTEErequirements2014-15.pdf>
  - b. **hTEE (hemodynamic TEE): How to save:** <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/hTEE-how-to.pdf>
  - c. **hTEE Troubleshooting tips:** <https://com-anest-ccm.sites.medinfo.ufl.edu/files/2014/07/Trouble-shooting-tips-for-hTEE.pdf>
4. **CCM Ultrasound Scanning Rounds** – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))

## **August**

### **Didactic Module - Procedural Guidance**

**<http://ccm.anest.ufl.edu/education/ultrasound/procedural-guidance-module/>**

1. **A Ultrasound Lecture Series:** Advanced Ultrasound: Using ultrasound to evaluate the acutely respiratory distress patient ST 4016; Tuesday, August 11, 2015 (12-1pm)
2. **A Self Directed Learning (Didactic Module) including Self Learning Tests (9 credit hours)**
  - a. ACEP(1 CME available): Ultrasound Image Quality: <http://www.acep.org/Content.aspx?id=79787>
  - b. ACEP (1CME available): Bedside Aorta Exam: <http://www.acep.org/Clinical---Practice-Management/Focus-On--Bedside-Ultrasound-of-the-Abdominal-Aorta/>
  - c. Reading & Video (Obtaining Views): <http://www.criticalecho.com/content/tutorial-3-setting-and-acquiring-images>
  - d. Soundbytes cases (Sonosite) Central Access: [http://www.youtube.com/watch?v=\\_RHRy64jQ6s](http://www.youtube.com/watch?v=_RHRy64jQ6s)
    - a. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
3. **A CCM Ultrasound Journal Club & Quality Review** – Topic: Vascular/Procedural Ultrasound ST 4016; Tuesday, August 25, 2015 (12-1pm)
4. **CCM Ultrasound Scanning Rounds** – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))

5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, August 19, 2015 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, August 11, 2015 (1-2pm)

## **September**

### **Didactic Module: Lung**

<http://ccm.anest.ufl.edu/education/ultrasound/lung-module/>

1. **A** Ultrasound Lecture Series: FAST exam; ST 4016; Tuesday, September 8, 2015 (12-1pm)
2. **A** CCM Ultrasound Quality Review: Vascular and Abdomen; ST 4016; Tuesday, September 22, 2015 (12-1pm)
3. **A** **Self Directed Learning (Didactic Module) including Self Learning Tests (3 credit hours)**
  - a. ACEP (1 CME available): IVC Ultrasound: <http://www.acep.org/Content.aspx?id=80791>
  - b. Reading & Video (IVC Volume Status and Fluid Response): <http://www.criticalecho.com/content/tutorial-4-volume-status-and-preload-responsiveness-assessment>
  - c. Reading & Images (Basic Physics): <http://www.criticalecho.com/content/tutorial-1-basic-physics-ultrasound-and-doppler-phenomenon>
  - d. Soundbytes cases (Sonosite) FAST: <http://www.youtube.com/watch?v=VBHCmw8iHCc>
  - b. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, September 16, 2015 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, September 8, 2014 (1-2pm)

## **October**

### **Didactic Module: Echocardiogram Basic**

<http://ccm.anest.ufl.edu/education/ultrasound/echocardiogram-basic-module/>

1. **A** Ultrasound Lecture Series – Aorta Ultrasound in shock; ST 4016; Tuesday, October 6, 2015 (12-1pm)
2. **A** **Self Directed Learning (Didactic Module) including Self Learning Tests (5 credit hours)**
  - a. ACEP (1 CME available): Dynamic ultrasound Peripheral Line Access: <http://www.acep.org/Clinical---Practice-Management/Focus-On--Dynamic-Ultrasound-Guided-Peripheral-Intravenous-Line-Placement/>
  - b. Reading & Video (LV systolic function): <http://www.criticalecho.com/content/tutorial-5-assessment-lv-systolic-function>
  - c. Soundbytes (Sonosite) Parasternal Long 1 TTE: [http://www.youtube.com/watch?v=H\\_3V9xIDMA0](http://www.youtube.com/watch?v=H_3V9xIDMA0)
  - d. Soundbytes (Sonosite) Parasternal Long 2 TTE: <http://www.youtube.com/watch?v=uciGL4TaoaA>
  - c. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
3. **A** Joint Critical Care Ultrasound Journal Club (ED/CCM/MICU): Topic: Procedural ultrasound and Quality Review ST 4016; Tuesday, October 20, 2015 (12-1pm)
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))

5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, October 14, 2015 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, October 6, 2015 (1-2pm)

## **November**

### **Didactic Module: Abdomen Trauma**

<http://ccm.anest.ufl.edu/education/ultrasound/abdominal-trauma-module/>

1. **A** Ultrasound Lecture Series: Advanced Ultrasound: Using ultrasound to evaluate the acutely hypotensive ST 4016; Tuesday, November 3, 2015 (12-1pm)
2. **A** Self Directed Learning (Didactic Module) including Self Learning Tests (4 credit hours)
  - a. Reading & Video (Right Heart evaluation): <http://www.criticalecho.com/content/tutorial-7-assessment-right-heart>
  - b. Reading (Pneumothorax): <http://www.icmteaching.com/ultrasound/lung%20ultrasound/styled-125/>
  - c. Soundbytes cases (Sonosite) Pneumothorax: <http://www.youtube.com/watch?v=Xxdedx1HtHo>
  - d. 5 minute bedside videos <https://www.youtube.com/channel/UCIv5gu6lgQ5iXu4O0j2ETNQ>
3. **A** CCM Ultrasound Journal Club and Quality Review – Topic: Abdominal Ultrasound ST 4016; Tuesday, November 18, 2014 (12-1pm)
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, November 18, 2015 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, November 3, 2015 (1-2pm)

## **December**

### **Didactic Module: Shock**

<http://ccm.anest.ufl.edu/education/ultrasound/shock-module/>

1. **A** Ultrasound Lecture Series: Renal ultrasound ST 4016; Tuesday, December 1, 2015 (12-1pm)
2. **A** Self Directed Learning (Didactic Module) including Self Learning Tests (4 credit hours)
  - a. Reading (Pleural Effusion): <http://www.icmteaching.com/ultrasound/lung%20ultrasound/pleural%20effusion/>
  - b. Reading (Lung and Interstitial syndromes): <http://www.icmteaching.com/ultrasound/lung%20ultrasound/lung%20and%20interstitial%20syndrome/>
  - c. Video: FEEL ultrasound protocol in cardiac arrest: [http://www.youtube.com/watch?v=Jh\\_nLCTXrj0](http://www.youtube.com/watch?v=Jh_nLCTXrj0)
  - e. 5 minute bedside videos <https://www.youtube.com/channel/UCIv5gu6lgQ5iXu4O0j2ETNQ>
3. **A** Joint Critical Care Ultrasound Journal Club (ED/CCM/MICU): Topic: Abdomen ultrasound and Quality Review; ST 4016; Tuesday, December 15, 2015 (12-1pm)
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, December 16, 2015 (2-4pm)

6. Critical Care Ultrasound Research and Interest group meeting Tuesday, December 1, 2015 (1-2pm)

## **January**

### **Module: Advanced Lung**

<http://ccm.anest.ufl.edu/education/ultrasound/advanced-lung-module/>

1. **A** Ultrasound Lecture Series – Transthoracic Echo ST 4016; Tuesday, January 5, 2016 (12-1pm)
2. **A** CCM Ultrasound Quality Review: Transthoracic and Lung; ST 4016; Tuesday, January 19, 2016 (12-1pm)
3. **A** Self Directed Learning (Didactic Module) including Self Learning Tests (4 credit hours)
  - a. Reading (Lung ultrasound – Making a Diagnosis): <http://www.icmteaching.com/ultrasound/lung%20ultrasound/blue/>
  - b. Reading & Video (Lung US): <http://www.criticalecho.com/content/tutorial-9-lung-ultrasound>
  - c. Soundbytes cases (Sonosite) Thoracentesis: <http://www.youtube.com/watch?v=6ThpUpjSiM>
  - d. Soundbytes (Sonosite) Pleural Effusion: <http://www.youtube.com/watch?v=X1E7OgOLzw0>
  - f. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, January 20, 2016 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, January 5, 2016 (1-2pm)

## **February**

### **Didactic Module: Echocardiogram Advanced Techniques**

<http://ccm.anest.ufl.edu/education/ultrasound/echocardiogram-advanced-techniques-and-uses/>

1. **A** Ultrasound Lecture Series: Advanced Ultrasound: Using ultrasound to evaluate the cardiac arrest patient ST 4016; Tuesday, February 2, 2016 (12-1pm)
2. **A** Self Directed Learning (Didactic Module) including Self Learning Tests (2 credit hours)
  - a. **Shands Cardiac Basic Pathology Video**: <http://gdeportu.wix.com/ultrasound#!cardiac-pathology/chch>
  - b. Reading & Video (Pericardial diseases): <http://www.criticalecho.com/content/tutorial-8-assessment-pericardial-disease>
  - c. Reading and Video (LV Diastolic dysfunction): <http://www.criticalecho.com/content/tutorial-6-assessment-lv-diastolic-function-and-filling-pressures>
  - d. Video: Sonosite Pericardiocentesis: <http://www.youtube.com/watch?v=T6Z9DvPPmXg>
  - g. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
3. **A** CCM Ultrasound Journal Club and Quality Review – Topic: Transthoracic ultrasound ST 4016; Tuesday, February 16, 2016 (12-1pm)
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, February 17, 2016 (2-4pm)



6. Critical Care Ultrasound Research and Interest group meeting Tuesday, February 2, 2016 (1-2pm)

## **March**

### **Didactic Module: Vascular**

<http://ccm.anest.ufl.edu/education/ultrasound/vascular-module/>

1. **A** Ultrasound Lecture Series: Lung ultrasound ST 4016; Tuesday, March 1, 2016 (12-1pm)
2. **A** **Self Directed Learning (Didactic Module) including Self Learning Tests (6 credit hours)**
  - a. Reading (Lung Alveolar Consolidation): <http://www.icmteaching.com/ultrasound/lung%20ultrasound/alveolar%20syndrome/>
  - b. Reading: Lichtenstein DA and Meziere GA. Relevance of Lung Ultrasound in the Diagnosis of Respiratory Failure: The BLUE Protocol. Chest 2008 (<http://ccm.anest.ufl.edu/files/2012/08/BLUELung.pdf>)
  - c. Video: WinFocus Lung ultrasound: [http://www.youtube.com/watch?v=H4sJAn\\_OeYM](http://www.youtube.com/watch?v=H4sJAn_OeYM)
  - h. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
3. **A** Joint Critical Care Ultrasound Journal Club (ED/CCM/MICU) and Quality Review: Topic: Transthoracic ultrasound ST 4016; Tuesday, March 15, 2016 (12-1pm)
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, March 16, 2016 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, March 1, 2016 (1-2pm)
7. **A** Ultrasound Lecture Series – Gallbladder Ultrasound ST 4016; Tuesday, March 29, 2016 (12-1pm)

## **April**

### **Didactic Module: Optional Uses (Gallbladder/Aorta/Renal)**

<http://ccm.anest.ufl.edu/education/ultrasound/optional-uses-in-icu-module/>

1. **A** CCM Ultrasound Quality Review: Transthoracic and Lung; ST 4016; Tuesday, April 12, 2016 (12-1pm)
1. **A** Ultrasound Lecture Series: Advanced Ultrasound: Using ultrasound to evaluate the oligoanuric patient ST 4016; Tuesday, April 26, 2016 (12-1pm)
2. **A** **Self Directed Learning (Didactic Module) including Self Learning Tests (3 credit hours)**
  - a. Reading and Video (Vascular ultrasound – DVT): <http://www.criticalecho.com/content/tutorial-10-vascular-ultrasound>
  - b. Reading: Volpicelli et al. International Evidence Based Recommendations for Point of Care Lung Ultrasound. Intensive Care Medicine 2012 (<http://ccm.anest.ufl.edu/files/2012/08/POCLungUSRecs.pdf>)
  - c. Soundbytes (Sonosite) Gallbladder 1: <http://www.youtube.com/watch?v=FY3dBuQV03w>
  - d. Soundbytes (Sonosite) Gallbladder 2: <http://www.youtube.com/watch?v=L3e-YdQRa-A>
  - e. Soundbytes (Sonosite) Gallbladder 3 Cholecystitis: <http://www.youtube.com/watch?v=Xsj5j2hzjtA>
  - i. 5 minute bedside videos <https://www.youtube.com/channel/UC1v5gu6lgQ5iXu4O0j2ETNQ>
3. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))

4. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, April 13, 2016 (2-4pm)
5. Critical Care Ultrasound Research and Interest group meeting Tuesday, April 12, 2016 (1-2pm)
6. Critical Care Ultrasound Conference (for Faculty/Extenders): April 2016, Date: TBA

## May

### Putting it all together: Ultrasound Algorithms to Approach common conditions in the ICU: Hypoxia/Hypotension/Fever/Oligoanuria

1. **A** Ultrasound Lecture Series : Ultrasound Quality Review and Final Exams ST 4016; Tuesday, May 24, 2016 (12-1pm)
2. **A** CCM Ultrasound Journal Club – Topic: Lung ultrasound ST 4016; Tuesday, May 10, 2016 (12-1pm)
3. **A** Self Directed Learning (3 credit hours)
  - a. Reading: Murthi SB et al. Focused Rapid Echocardiography versus vascular catheter based assessment of cardiac output and function in critically ill trauma patients. J Trauma 2011.
  - b. Soundbytes cases (Sonosite) Aorta 1: <http://www.youtube.com/watch?v=uiTsFtanyzM>
  - c. Soundbytes cases (Sonosite) Aorta 2: <http://www.youtube.com/watch?v=nAU4iG6Fbx4>
  - j. 5 minute bedside videos <https://www.youtube.com/channel/UCIv5gu6lgQ5iXu4O0j2ETNQ>
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Hands On Simulation with Faculty supervision: Anesthesia Simulation Lab; CG-68; email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu) to reserve spot (max 3) Wednesday, May 18, 2016 (2-4pm)
6. Critical Care Ultrasound Research and Interest group meeting Tuesday, May 10, 2016 (1-2pm)

## June

### Final review of material and testing

<http://ccm.anest.ufl.edu/education/ultrasound/observed-exam-forms/>

1. Testing Month for Fellows/Extenders
2. **A** Ultrasound Lecture Series: Ultrasound Quality Review and Final Exams; Tuesday, June 7, 2016 (12-1pm)
3. **A** Self Directed Learning (3 credit hours)
  - a. Reading: Mayo et al. ACCP Statement on Competence in Critical Care Competency. Chest 2009 (<http://ccm.anest.ufl.edu/files/2012/08/ACCPGuidelines.pdf>)
  - b. Reading: Neri et al. SCCM Toward an ultrasound curriculum for critical care medicine. Critical Care Med 2007 (<http://ccm.anest.ufl.edu/files/2012/08/SCCMGuidelines.pdf>)
  - c. Soundbytes cases (Sonosite) Renal: <http://www.youtube.com/watch?v=N750NAEmEso>
  - k. 5 minute bedside videos <https://www.youtube.com/channel/UCIv5gu6lgQ5iXu4O0j2ETNQ>
4. CCM Ultrasound Scanning Rounds – Every Tuesday from 3:30 to 4:30pm (scheduled sessions, if you want to schedule individual sessions at other times, email [rohitpatel@ufl.edu](mailto:rohitpatel@ufl.edu))
5. Critical Care Ultrasound Research and Interest group meeting Tuesday, June 7, 2016 (1-2pm)

## June

### Final review of material and testing

<http://ccm.anest.ufl.edu/education/ultrasound/observed-exam-forms/>

1. **A** End of year ultrasound review; report of number done and other relevant info

2. **A** Post-curriculum training test
3. **A** Individual competence based test on real patients (Scheduled individually)
4. ICU curriculum completion letters to be given to successful candidates