

# Phase 3 Clinical Procedures Orientation

## Clerkship Ultrasound Requirements

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# MCGUltrasoundEducation.com

The screenshot shows a web browser window with the URL <https://www.augusta.edu/mcg/ultrasound-education/index.php>. The page title is "Center for Ultrasound Education". A navigation menu on the left lists various categories, with callouts pointing to specific items:

- Website Navigation Video & Lumify PW** points to the "Center for Ultrasound Education" menu item.
- Clinical Procedures Videos** points to the "Clerkship Skills" menu item.
- Specific Clerkship Web Pages** points to a group of menu items including "FMPC 5000", "SURG 5000", "GMED 5000", "OBGN 5000", and "EMED 5001".

The logo for the Center for Ultrasound Education at Augusta University is displayed on the right, featuring a blue silhouette of a human figure with arms and legs outstretched, set against a circular background with a grid pattern. The text "Center for Ultrasound Education" is arched above the figure, and "Augusta University" is arched below it.

Ultrasound is a transformative educational technology. It changes how we understand and teach physiology, makes anatomy more interactive, and demonstrates pathology in a dynamic way.

# MCGUltrasoundEducation.com



Image Upload and Report Link

Normal and Pathology Videos

## HOW DO WE SCREEN FOR AAA?

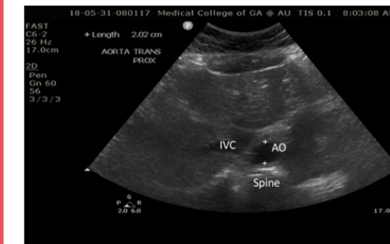
Screening for AAA involves using ultrasound to measure the aorta diameter. This is easily done at the bedside using the portable ultrasound machine (Philips Lumify Ultrasound System) provided for your use during the clerkship. We incorporated this into the clerkship primarily so you can have hands-on practice performing a non-invasive screening exam. Secondly, our goals include increasing the number of Georgia citizens appropriately screened for AAA.

[Abdominal Vasculature Anatomy](#)

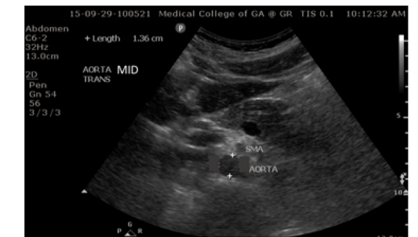
[Abdominal Aortic Aneurysm](#)

## EXAMPLE IMAGES WITH LABELS

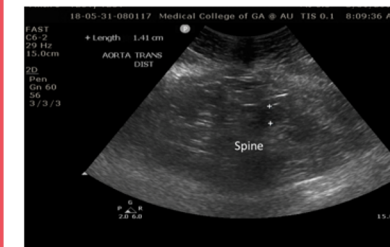
Aorta transverse image above SMA



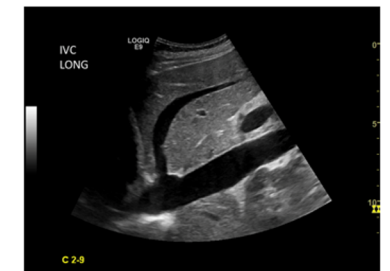
Aorta transverse image with SMA



Aorta transverse image above bifurcation



IVC long image with hepatic vein and right atrium



Example Images with Labeling / Measurements

Center for Ultrasound Education

UME -MCG Students +

GME - Residents/Fellows +

Faculty Development / CMR-

Making Healthcare SAFER

International Ultrasound +

Tactical POCUS

2 Week Rotation

3 Week Rotation

4 Week Rotation

## Family Medicine Clerkship - Ultrasound

Welcome to the Family Medicine Clerkship (FMPC5000) Ultrasound page. The purpose of this site is to provide clinically relevant education on how to use point of care ultrasound (POCUS) during your clerkship. The POCUS assignment is designed to give you a deeper understanding of some of the concepts taught during the clerkship.

[FMPC 5000 Image Upload and Report Link](#)

## ABDOMINAL AORTIC ANEURYSM SCREENING EXAM

### WHY DO WE DO SCREENING EXAMS?

Well, many pathologic conditions are easier to treat when found early in the course of the disease. Many of us think about cancer screening exams and the effects of early detection. But, there are other diseases which are often overlooked but can be more deadly than cancer. Arterial vascular diseases, particularly Abdominal Aortic Aneurysms (AAA), are one such disease. In fact, ruptured AAA is the 13<sup>th</sup> most common cause of death in the US.

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## DO I NEED TO ASK THE PATIENT BEFORE I ULTRASOUND THEM?

Yes. In fact, we ask that you explain the ultrasound procedure to the patient. The patient will not be charged for an ultrasound exam done by you, the student. However, they may have another ultrasound done for clinical reasons which they may receive a charge. So it is good to explain this to them. We also ask that you obtain written permission before you perform the ultrasound. On the Phillips Lumify Ultrasound system tablet, there is an electronic consent. If you cannot find this link, you can use the patient consent link below. If you access the link from your smart phone or tablet, the patient can use their finger to sign their name.

[Patient Consent](#)

**Online Patient  
Consent**

## HOW DO I REPORT MY FINDINGS?

Please see the links below on how to operate and upload your images and report from the Philips Lumify Ultrasound System. To obtain your evaluation of your images and to receive credit for the assignment, you must complete the process outlined below.

Lumify Quick Start Guide    [Page 1](#)    [Page 2](#)    [Cleaning Instructions](#)

[FMPC 5000 Image Upload and Report Link](#)

[How to Load Clerkship Ultrasound Images and Report from the Lumify](#)

## WHAT IF I HAVE TROUBLE UPLOADING THE IMAGES?

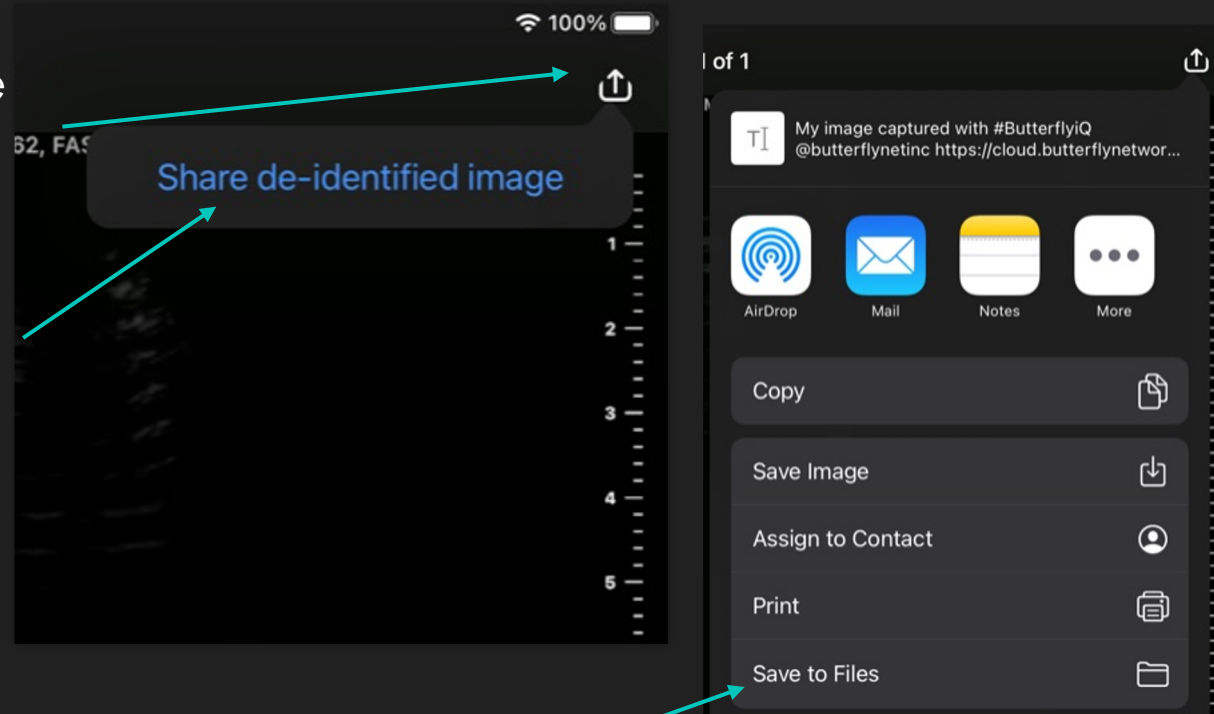
Please contact us at: [retheridge@augusta.edu](mailto:retheridge@augusta.edu)

**Lumify Guide, Cleaning,  
and Lumify Upload  
Instructions**

**My Contact Info  
(706-721-2262)**

# To upload images from Butterfly iQ

1. Save your images to the appropriate Butterfly IQ Folder
2. Click the arrow in the top right of the screen
3. Click "Share de-identified image"



4. Save your image to Files

5. The image can now be uploaded to the submission forms!

If you have trouble uploading your images, please contact Sarah Gibbs, [sa.gibbs@uga.edu](mailto:sa.gibbs@uga.edu), 706-713-2195.

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AFTER I COMPLETE MY FMPC IMAGES, WHAT ELSE DO I NEED TO DO TO COMPLETE MY CLERKSHIP ULTRASOUND REQUIREMENTS?

Completion of the FMPC Ultrasound Interactive Module and quiz is due at the end of your FMPC 5000 clerkship rotation. Click the link below to view the FMPC 5000 Ultrasound Interactive Module and then click "diagnose" to complete the quiz for your grade.

[FMPC5000 Ultrasound Interactive Module and Quiz](#)

[Clinical Ultrasound Syllabus 2021-2022](#)

Interactive Ultrasound  
Module and 2 Question  
Quiz

Clinical Ultrasound  
Curriculum Information

# What US Equipment to use?

## Augusta

- ❓ Family Medicine – ALL Clerkship sites have an assigned Lumify that stays at site
- ❓ OB/GYN – ALL Clerkship sites have US equipment for student use
- ❓ Surgery – Students use hospital US equipment or Lumify checkout from CUSE
- ❓ Internal Medicine - Students use hospital US equipment or Lumify checkout from CUSE
- ❓ Emergency Medicine – ALL Clerkship sites have US equipment for student use

## Regional Campuses

- ❓ Family Medicine – ALL Clerkship sites have an assigned Lumify that stays at site
- ❓ OB/GYN – ALL Clerkship sites have US equipment for student use
- ❓ Surgery – Students use hospital US equipment or Lumify checkout from regional campus coordinators
- ❓ Internal Medicine - Students use hospital US equipment or Lumify checkout from regional campus coordinators
- ❓ Emergency Medicine – ALL Clerkship sites have US equipment for student use

# What if my site doesn't have an US?

Students may request a Butterfly US kit to use for their clerkships using the following QR or link:



AUGUSTA UNIVERSITY  
**MEDICAL PARTNERSHIP**  
UNIVERSITY OF GEORGIA

Simulation Center

ButterflyiQ Ultrasound Checkout Request

First and Last Name:

Email:

[https://augustastate.co1.qualtrics.com/jfe/form/SV\\_1FlhmVW6fc5Ahlr](https://augustastate.co1.qualtrics.com/jfe/form/SV_1FlhmVW6fc5Ahlr)

Ipads are also available for students without an assigned Ipad mini to use with the butterfly probes

If you need help checking out US equipment, please contact Sarah Gibbs, [sa.gibbs@uga.edu](mailto:sa.gibbs@uga.edu), 706-713-2195.



# What is due and when?

- ❑ Clerkship-Specific Set of patient images with report (Etheridge, Lyon, LaRavia Feedback Email)
- ❑ Review of Interactive Ultrasound Module and 2 Question Quiz
- ❑ Due by the end of the clerkship block

# Suggestions

- ❑ Scan actual patients!!!! (EM and OB have specific report requirements)
- ❑ Scan more than one area on each patient
- ❑ Images must include your name, date, and time on US machine
- ❑ Do not share images or submit other student images
- ❑ Compare your images to example images

# Test Your Knowledge

