



# Medical Anatomy Labs in the Age of COVID

---

**Melissa Quinn, PhD**

Assistant Professor – Clinical

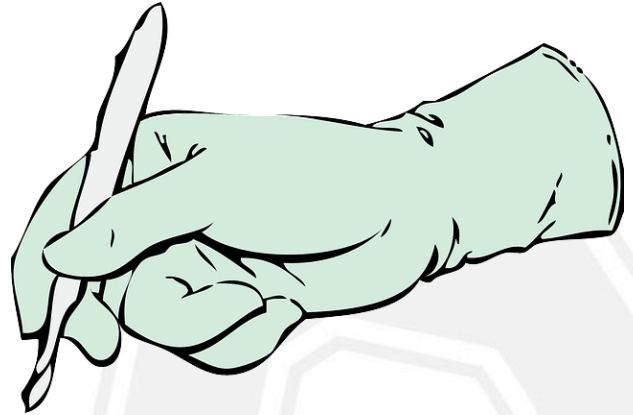
Department Biomedical Education and Anatomy

 @DrMquinn08

# Anatomy BC

---

- Foundation of all medical knowledge
- Dissection
  - 8-10 students per donor
  - 22 donors in lab
- Prosection Tours in Lab
- Office Hours
- Reviews/Practice Practicals
- Table Rounds

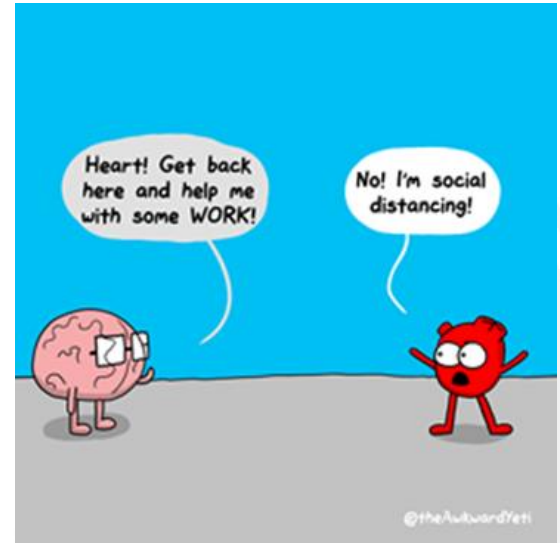


THE OHIO STATE UNIVERSITY  
COLLEGE OF MEDICINE

# How Do We Maintain Anatomical Excellence?

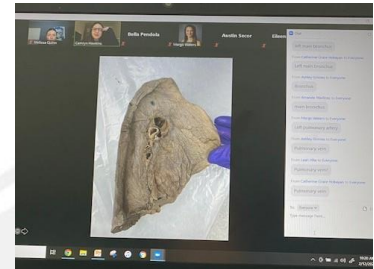
---

- Need to develop online anatomy labs that could be comparably engaging for learners
- Different scenarios
  - March-August 2020 (**all virtual**)
  - August-November 2020 (**hybrid**)
  - November-December 2020 (**switch to all virtual**)
  - January-March 2021 (**all virtual**)
  - March-May 2021 (**hybrid**)



# What Did We Do?

- **Created 60+ prosection videos**
  - Over 8 hours through 5 blocks
- **Dissections with live streams in real time**
- **Virtual office hours**
- **Peer-to-peer teaching**
- **Live stream labs**
- **Virtual practical**
- **Small groups (quarter of class at a time)**
- **Utilized 3 labs**
- **Monitored Google Doc for after hours lab studying**
- **One-way through building & labs**
- **PPE (masks, shields, gloves)**



carmenZOOM

1-13-21 Group B - Heart and Great Vessels Dissec... - Shared screen with speaker view

Download (4 files)

Audio Transcript Chat Messages

Q Search transcript

Oracle should be towards the superior portion of the heart is the oracles themselves are going to be pushing down on to that on top of the coronary sulcus from the front of the heart, the larger

12:43 That you see is the right Oracle, which is indicative of the right atrium of the heart and the left Oracle, which is a little bit smaller.

12:53 that's indicative of the left atrium of the heart. Okay, so that can also help you, figuring out not only superior and inferior maybe or right left and orienting posterior but that's another feature, you may want to use

13:09 Another feature that might help you organize yourself around here is, again, if we go back to the back of the heart. Again, I have because of the

Resume Transcript Auto-Scroll

# Feedback

---

- “I do honestly feel that the anatomy lab groups being split up for the dissections was a massive advantage. When we previously had 10 students at a time, there is not enough space/work to have all of the students working. Cutting this down in half really did ensure that we had more active participation. I hope that this is considered in the future even when COVID precautions are over because I truly I felt I got more out of the experience with a smaller group.”
- “The prosection videos done by the anatomy team were incredible. It made it much easier to understand the anatomy that we had the chance to see shortly in the lab, while being able to study and social distance at the same time.”
- “The anatomy prosection videos were so incredibly helpful in learning anatomy. I am so thankful to have these to review for years to come in my training. Please keep making these!”
- “The use of Zoom to hold Anatomy office hours and Mediasite to show cadaver dissections was very helpful given that we could not get into the anatomy lab during a pandemic.”
- “I loved the lab time, which was sadly limited due to the pandemic. However, anatomy was a great experience and despite the circumstance, I'm glad we were able to take the course before going virtual.”



# It's a Team Effort

---

- Division of Anatomy
  - Dr. Kirk McHugh
  - Med GTAs (Camryn Hawkins, Jessica Blackburn, Geoffrey Fernquist)
  - Rest of faculty
- Part 1 Coordinators
- OCS
- Evaluation and Assessment
- Mobile Services

