Current state of the project:

* Classification code has been modularized
* New testing models have been trained
  + Testing and validation models were 82% for the SVM and 70% for the CNN
  + New CNN architecture ideas are being considered
* Dr. Ortega has recordings of lung sounds using Eko
* We have a basic mock-up design for the hardware which we plan to get parts for in order to test how reliable it is to our prediction
* Currently developing the front-end UI that will connect the signals captured by the device to the software algorithms

This week, we met on Wednesday to discuss the current state of the project and plan ahead for the Verification and Validation report. We discussed meeting with Dr. Ortega, and Dr. Klaesner and what questions we planned to ask them, including getting the survey responses back from Mercy Virtual. We also talked about how to integrate the Eko equipment with the cane into one device.