

# 3D Printing Airway Trainers: BME 402

Dates: May 1st - May 7th, 2026

Client: Kristopher Schroeder, MD

Advisor: Dr. Paul Campagnola

Team:

Matt Sheridan (Communicator)

Dan Altschuler (Team Leader)

Cody Kryzer (BPAG)

Lance Johnson (BSAC)

Elleana Thom (BWIG)

## Problem Statement

Airway management is an integral part of keeping a patient stable in many medical environments. While training medical practitioners with simple airway trainers has improved patient outcomes, this has not had the same effect on patients with abnormal airways. The use of 3D printing from existing patient imaging to create realistic and individualized airway manikins would assist medical professionals, allowing them to practice airway management skills on lifelike models.

## Brief Status Update

Finished up final deliverables and met with Dr. Campagnola for final advisor meeting

## Weekly Goals and Accomplishments

- Matt Sheridan
  - Finished up final submissions
  - Met for the final advisor meeting
- Dan Altschuler
  - Finished up report and notebook
  - Met for a final advisor meeting
- Cody Kryzer
  - Finished report and notebook
  - Met for advisor meeting
- Lance Johnson
  - Finished up the report and notebook entries with the team
  - Met for the final advisor meeting
- Elle Thom
  - Submitted report and notebooks
  - Met with Dr. Campagnola for final advisor meeting