

Emily Lothamer

Purdue BME '23
Purdue Genetics '23
Pre-medicine



Weldon School of
Biomedical Engineering

CLINICAL EXPERIENCES

- EMT for Purdue University Fire Department
- Wilderness EMT for BOLD/GOLD Introductory Backpacking Program
- ER Guest Relations Volunteer for IU Health
- Counselor for Independence Diabetes Camp



BME RESEARCH EXPERIENCES

- HIRRT Lab (Dr. Nauman, University of Cincinnati): soft children's ankle prosthetic, soft adjustable prosthetic socket
- TMET Lab (Dr. Solorio): 3D printed bone graft

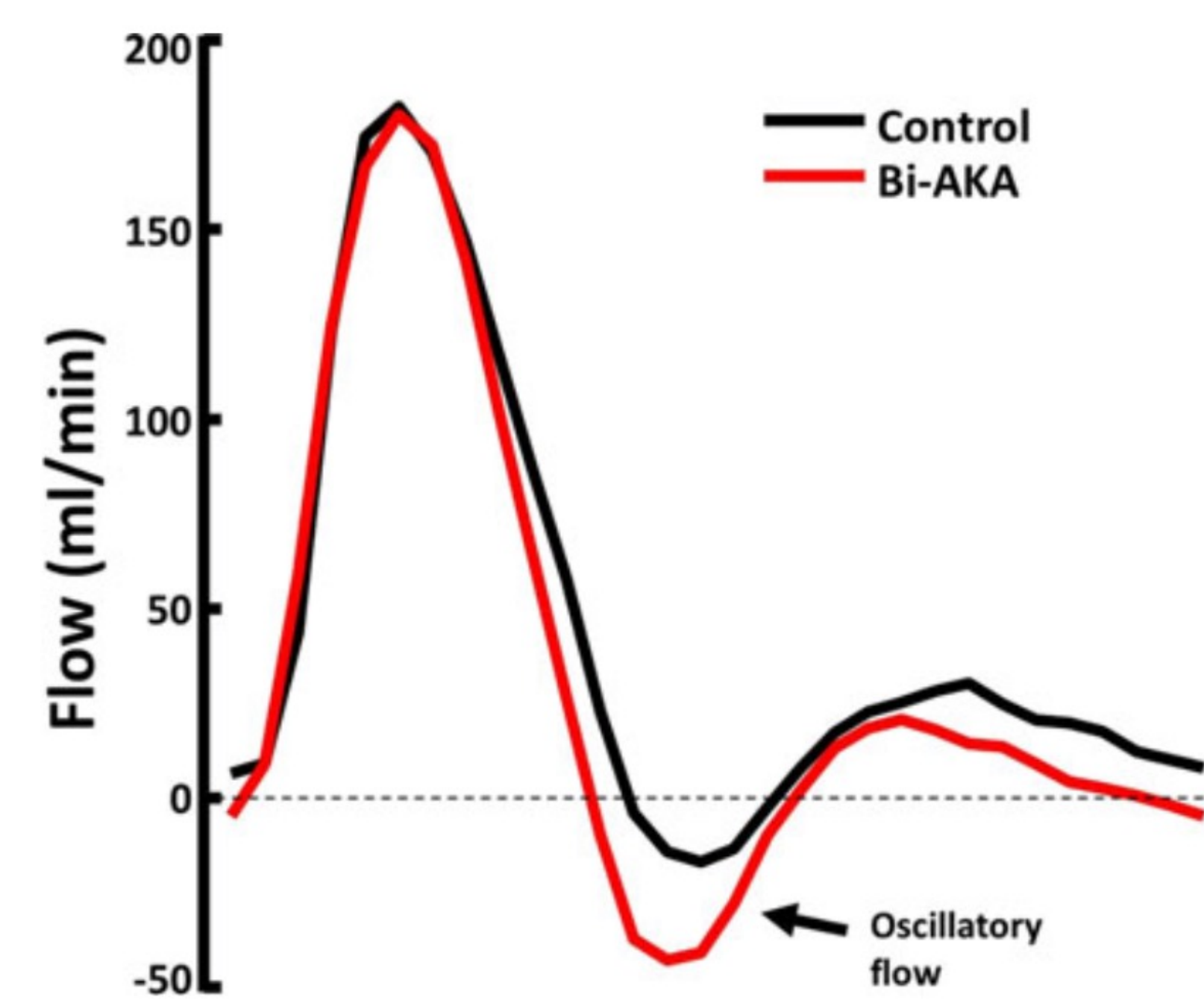
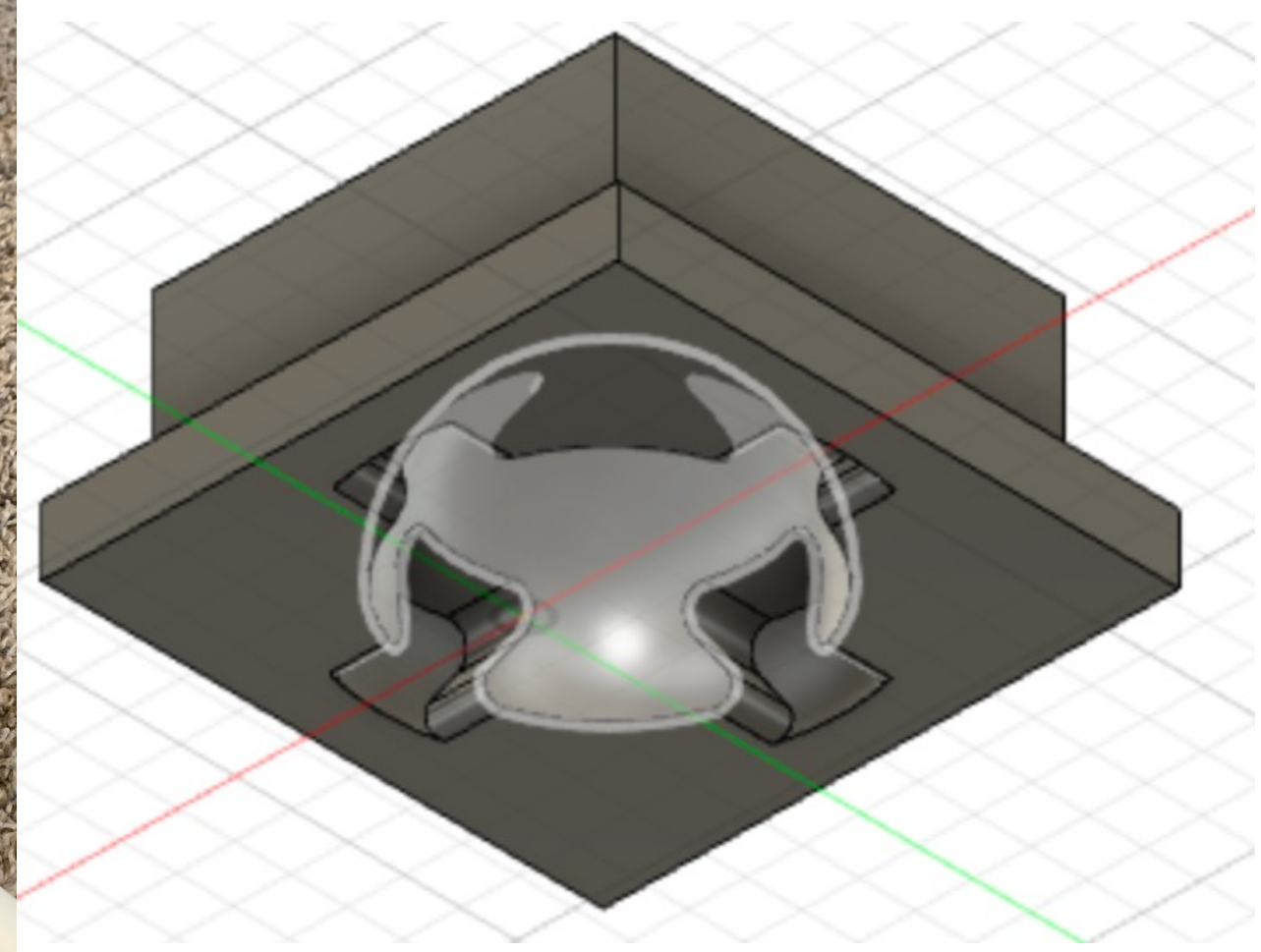
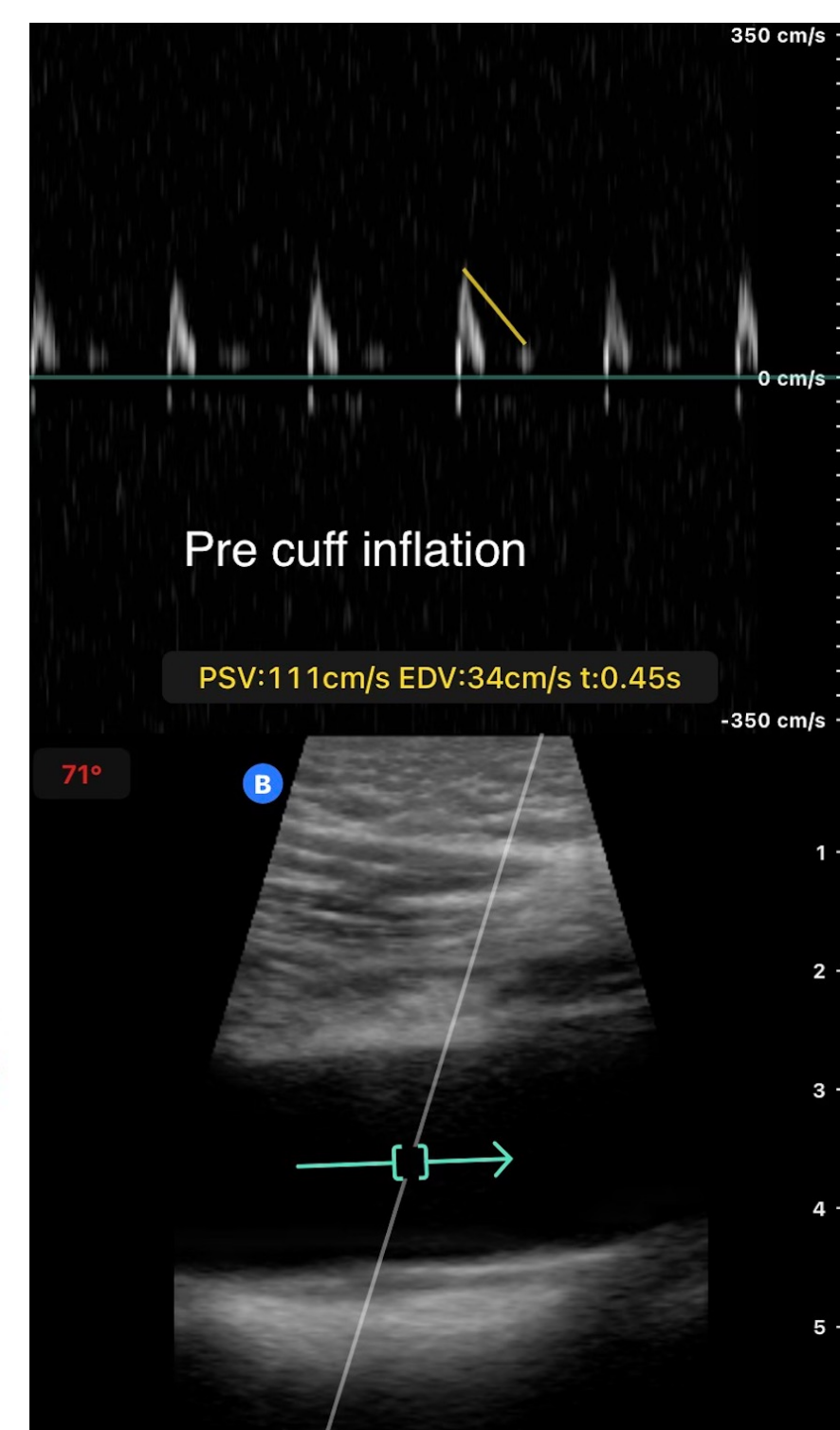
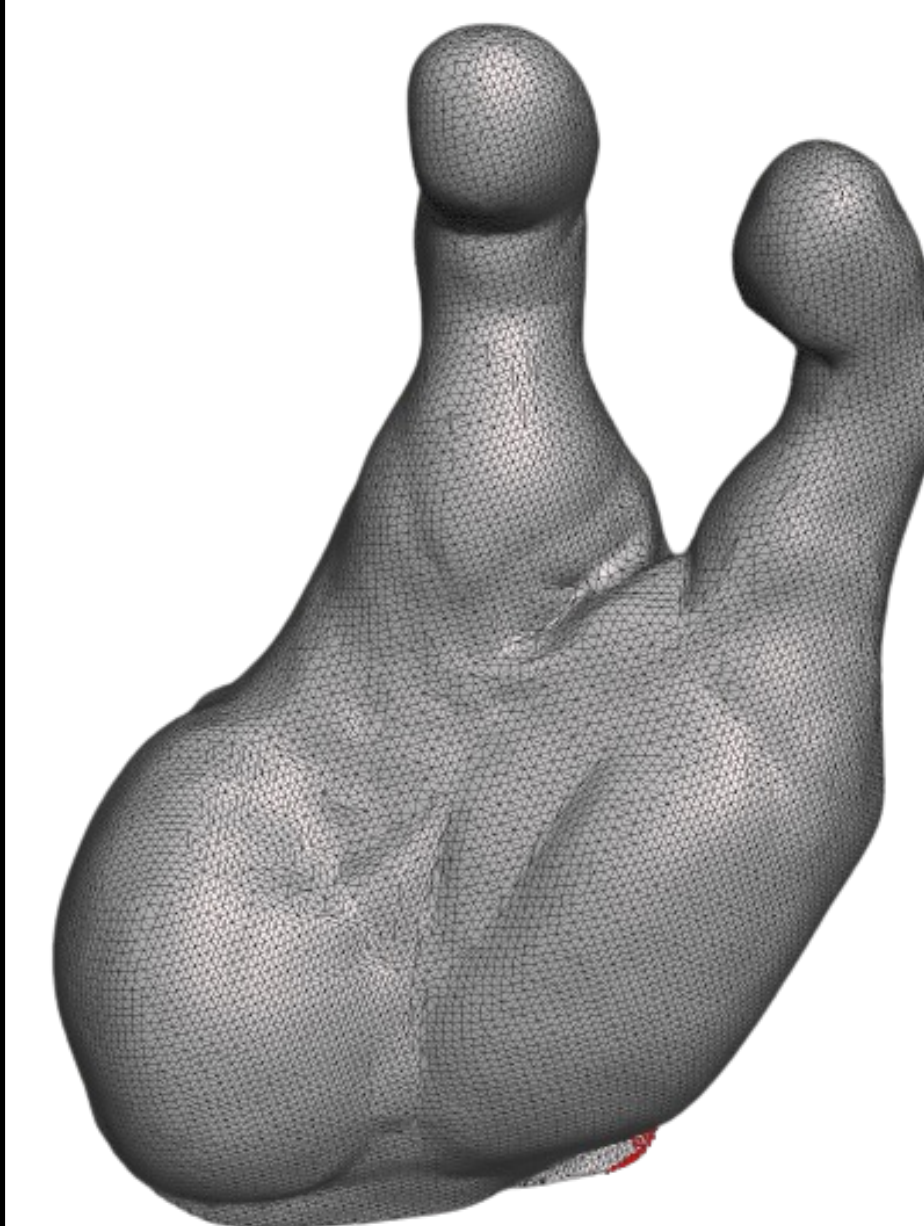


Figure 1



IU HEALTH METHODIST RESEARCH

- Clinical study on abdominal aortic aneurysm formation in above-knee amputees
- Retrospective study on redefining criteria for cardiogenic shock classification



OTHER EXPERIENCES

- Riley Children's Hospital Heart Models
- Teaching Assistant for ENGR 16x (FYE)
- Teaching Assistant for BME 460
- Integrations Director for ASME Prosthetics
- WIEP I2D2, IGED volunteer



CARDIOVASCULAR MAY/AUGUST MESTER

- Sophomore year: 2 week shadowing program
- Clinical/surgical shadowing, consulting with device reps/physicians, cardiovascular lectures, transplant ethics meetings, patient support groups
- Junior year: program coordinator

