

Dual Handheld and video otoscopy unit

Date: 10/11/2024

Client: Dr. Lara Tomich & Dr. Amy Nechelason

Advisor: Professor Paul Campagnola

Team:

Sam Tan — Leader

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Problem statement:

The current designs of handheld otoscopes for animal practice do not allow video transfer to a distant view compared to a video otoscope, which is practiced differently in simulations. The goal is to design a handheld otoscope with video capabilities to allow student-performed examinations to be visualized to the faculty for assessments.

Brief status update

- Optical fiber arrived and evaluation of materials.

Difficulties / advice requests

- N/A

Current design:

- Old design

Background	X													
Prototyping														
Testings														
Deliverables														
Progress Reports	X	X	X	X										
PDS		X	X	X										
Prelim presentation				X										
Final Poster														
Meetings														
Client														
Advisor	X	X	X	X										
Website	X													
Update	X	X	X	X										

Filled boxes = projected timeline
X = task was worked on or completed

Previous week's goals and accomplishments

- Sam previous goal
 - Materials order and method validation
- Bobby previous goal
 - testing
- Aaron previous goal
 -
- Andy previous goal
 - Found potential wireless camera candidate
- Team previous goal 6
 - None

Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam		Design, report	2	2	5.5
Bobby		Design, report	2	2	6.5
Aaron					2
Andy					

