

Dual Handheld and video otoscopy unit

Date: 11/29/2024

Client: Dr. Lara Tomich & Dr. Amy Nechelason

Advisor: Professor Paul Campagnola

Team:

Sam Tan — Leader

stan68@wisc.edu

Aaron Marattil — Communicator

marattil@wisc.edu

Haoming (Bobby) Fang — BWIG

hfang45@wisc.edu

Andy Slayton — BPAG

aslayton@wisc.edu

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

- Testing, modification on 3D parts

Difficulties / advice requests

- Securing the optical fiber to the rest of the parts

Current design:

- Optical Fiber design

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

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

Previous week's goals and accomplishments

- Sam previous goal
 -
- Bobby previous goal
 -
- Aaron previous goal
 -
- Andy previous goal
 -
- Team previous goal 6
 -

Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam		Final report, prototyping	2		20
Bobby		Final report	2		18.5
Aaron					
Andy					

