

Vaginal Self-Swab Device to Minimize Contact Contamination

Client: Dr. Jean Riquelme

Advisor: Prof. Randolph Ashton

Date: 09/06/2024

Team:

Jackie Behring jbehring@wisc.edu (Co-Team Leader & BSAC)

Tatiana Predko tpredko@wisc.edu (Co-Team Leader & Communicator)

Mariah Smeeding jimenezsmeed@wisc.edu (BWIG)

Ava Fevold fevold@wisc.edu (BPAG)

PROBLEM STATEMENT

To design a vaginal self-swab to minimize contact contamination. The device needs to be easy to use, while also being comfortable for the user. Additionally, the device needs to be accurate, while also avoiding contamination from the user or environment.

BRIEF STATUS UPDATE

- The team met and went through the expectations and instructions provided for the first week. Team roles were assigned, as well as introductions to the advisor. The team was introduced to the client and got the first client meeting set up.

SUMMARY OF WEEKLY TEAM MEMBER DESIGN ACCOMPLISHMENTS

- Team:
 - Met advisor and set expectations for semester project
 - Emailed and introduced the team to the client
 - Introduced team to one another and determined meeting times
- Jackie Behring:
 - Bought and set up lab archives notebook for the team
 - Set up a google drive for the team to stay organized
 - Assigned team roles

- Began researching STI swab techniques
- Familiarized and reviewed past team projects to understand what the new problem/product will be
- Tatiana Predko:
 - Prepared and shared progress report outline with the team
 - Emailed and set up meeting times with both the client and the advisor; created and shared a Zoom meeting link
 - Researched the efficacy and reliability of vaginal self-swabbing in comparison to physician-administered swabs; recorded in LabArchives
 - Researched the benefits of self-swabbing with regard to the diagnosis of vaginal infections; recorded in LabArchives
- Mariah Smeeding:
 - Successfully assigned to project and started researching competing designs
 - Set team roles and responsibilities
 - Explored Labarchives and our teams notebook
 - Learned how to submit to our team website
- Ava Fevold:
 - Refamiliarized with LabArchives and the team notebook
 - Researched a competing product and recorded notes in LabArchives
 - Read over my roles and responsibilities as BPAG
 - Met with the client

PROJECT DIFFICULTIES

- None to report

UPCOMING TEAM AND INDIVIDUAL GOALS

- Team:
 - Meet with our client, Dr. Jean Riquelme and discuss project specifications on 9/12

Presentation															
Preliminary Lab Notebook															
Preliminary Report															
Preliminary Evaluations															
Show and Tell															
Final Poster Presentation															
Final Lab Notebook															
Final Report															
Final Evaluations															
Meetings															
Team															
Advisor															
Client															

EXPENSES

Item	Description	Manufacturer	Part Number	Date	QTY	Cost Each	Total	Link	
TOTAL:								\$0.00	