

Female Barrier Model

Week 12: April 7th – April 13th 2009

Advisor: Professor William Murphy

Client: Marge A. Sutinen

Team members: Karen Chen (Leader)
Tu Hoang Anh Mai (BWIG)
Rexxi Prasasya (Communication/BSAC)

Problem statement: Students in the advance Contemporary Issues of HIV/AIDS of the Medical Genetic department need to learn to demonstrate the proper use of female barriers against sexually transmitted disease by the end of the semester. Currently, an adequate model to show proper use of female barrier is unavailable, thus, instructors have resort to illustrated figure to educate students in this matter. The goal of this project is to design a pelvic model to be used as a teaching tool to demonstrate proper installation of female barrier devices. The model needs to be compatible with over-the-counter female condoms and dental dam.

Last week goals: To contact and set up outreach time with the Madison high school; we should definitely find the pelvic model and set up a meeting time with Greg since he replied to us that meeting this week is better.

Summary of accomplishments:

- On 4/10, the team met with the advisor to discuss the current challenges and the fabrication steps. The advisor suggested obtaining the “optimal” model for molding the external tissues in the pelvic area. In addition to the optimal model, images and diagrams might aid the process of fabricating the silicone external tissue. We also mentioned the about purchasing a masturbation sleeve to represent the tube/canal. It will be purchased at Red Letter News, and the molded external tissues will be attached to the tube.
- On 4/10, the team met to practice and to perfect the cutting and sealing procedure of the inflatable doll. Another swimming float is used, and we practiced cutting and sealing the cut. The cut was made to recreate a spherical dimension of the float, rather than a flat cut. However, the sealant applied needed to take 24hrs to achieve its best adhesive property. More observations will be made during this week (week 13).
- Over the weekend, Rexxi has bought some vinyl glue that might be more suitable in sealing the cuts made on the plastic surface of the float.

This week goals:

1. Borrow the “optimal model” from Dr. Bersus

2. Cut that “new member”
3. Contact Red Letter News to confirm the transparent tube that we will be using
4. Confirm the meeting time with Greg, and we will bring along the following items to his office:
 - i. The purchased transparent tube
 - ii. The models/sleeve borrowed from sex-out-loud (to show Greg the texture)
 - iii. The model to be borrowed from Dr. Bersus and images to help the fabrication process
 - iv. We will be molding the external tissue, and attach/glue it to the transparent tube
5. Participate in EXPO! And work on the outreach reflection.
6. Look into the educational journal (hopefully) and start laying out the structure

Project Challenges: Last Friday we practiced cutting and sealing a swimming float. However, the adhesive took longer to dry and to fix the cut. We might have to apply a stronger sealant to the cut for the real fabrication step.

Activities:

Date	Group/Individual	Description	Hours
4/10	Chou, Karen, Rexxi	Meeting with advisor; update current progress	0.50h
4/10	Chou, Karen, Rexxi	- Group meeting - Searched for pelvic model - Trip to Red Letter News with the client	3.00h
4/13	Karen	Progress report	0.75h
N/A	Chou, Karen, Rexxi	Layout meeting agenda/obtain vinyl sealant	1.00h



