

Male Barrier Model

Week 3: 2/6/09 – 2/13/09

Team Members: Whitney Johnson – BSAC
John Cheadle - BWIG
Terra Gahlman – Communicator
Nick Balge – Team Leader

Advisor: Professor Pamela Kreeger

Client: Dr. Marge Sutinen

Next meeting: 2/13/09, 12:05pm

Problem Statement:

To design a portable teaching tool to demonstrate the strength of polyurethane and latex barriers, using weights and a scale.

Team Goals:

Obtain a denser material (i.e. lead pellets) and contact client regarding any other available materials from lab. Test to see a potential maximum height for design. Brainstorm and discuss individual ideas as a group.

Individual Goals:

John Brainstorm, purchase lead pellets, test

Whitney Brainstorm, purchase lead pellets, test

Terra Brainstorm, purchase lead pellets, test

Nick Brainstorm, purchase lead pellets, test

Summary of Accomplishments:

We were able to obtain a number of lead sinkers, and performed testing on with these, confirming that they are indeed dense enough to serve our purpose. Needing more weight, we looked into purchasing more of these sinkers but found that they are slightly more expensive than we had hoped. We emailed the client about any materials that might be available from her lab before purchasing more sinkers but have not heard back. Although we did not have enough weight to break the condom, we were able to manually stretch it to breaking point and obtain a realistic measurement of its maximum length. Additionally, we brainstormed and sketched some of our ideas. We were able to talk about them and get an idea of different possible approaches with their respective pros and cons.

Difficulties:

It will be difficult to obtain inexpensive lead weights, assuming the client does not possess any in her lab. However, if needed, these costs should be manageable.

Activities:

2/7/09	John	Brainstorming/sketching ideas	1.50h
2/7/09	Whitney	Brainstorming/sketching ideas	1.50h
2/7/09	Terra	Brainstorming/sketching ideas	1.50h
2/7/09	Nick	Brainstorming/sketching ideas	1.50h
2/3/09	Team	Brainstorm discussion and lead pellet shopping	2.00h
2/3/09	Nick, Terra, John	Testing and measurements	1.00h

	John	Terra	Whitney	Nick	Team
Past Week	2.50h	2.50h	1.50h	2.50h	2.00h
Previous Total	3.00h	2.00h	2.50h	3.50h	6.50h
Total	5.50h	4.50h	4.00h	6.00h	8.50h

Expenses:

All condoms and testing materials used thus far were obtained free of charge.