

Prolapse Model

Week 11-November 14-20, 2008

Team: Hallie Kreitlow – *Team Leader*
Graham Bousley – *Communicator*
Andrew Bertram– *BSAC*
Sarah Switalski– *BWIG*

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Problem Statement

Dr. Tova Ablove needs a dynamic model to teach the pelvic organ prolapse quantification exam (POP-Q). Currently, there is no easy way to teach the different types of prolapse including cystoceles, rectoceles, and vault prolapse. Our objective is to design and fabricate a dynamic, to-scale model, which will accomplish these teaching goals.

Restatement of Team Goals

Now that the size of the model has been finalized, the team will purchase the necessary amount of materials to begin fabrication. They will also develop a blueprint of the tube and set up a meeting with their silicone provider to get his input on how to fabricate the tube. Their goal is to have all fabrication done before Thanksgiving break so testing can be done.

Activities

Date	Activity	Time	Team	Individual	Grand Total
11.14.08	Team: In-class meeting/Home Depot	2.00h	43.00h		
11.18.08	Team: Meeting with Greg Gion.	0.75h			
11.20.08	Hallie and Sarah: Fabrication.	3.25h			
11.18.08	Hallie: Ordered materials.	1.50h		16.25h	65.50h
11.20.08	Hallie: Progress report, design ideas.				
11.18.08	Graham: Materials research.	1.00h		9.00h	51.50h
11.14.08	Andrew: BSAC.	0.25h		11.25h	55.50h
11.20.08	Sarah: Design sketches, webpage.	0.50h		11.00h	59.75h

Expenses

Item	Quantity	Cost
Home Depot		
Steel Sheet Metal	1	5.84
Corner Brace	2	5.96
Hinge	1	2.78
2 oz. Gorilla Glue	1	4.98
Hook & Eye	1	1.69
Screws	1	3.61
Shelving (Pine)	2	21.94
3/4" Magnetic Disks	1	2.94
1/2x3 Round Aluminum Rod	1	6.61
Total (w/tax)		58.97
Smooth-On, Inc.		
Ecoflex 00-30 Trial Kit	1	28.67
Sil-Poxy Silicone Adhesive-3 oz. Tube	1	27.34
Total (w/shipping)		68.45
Grand Total		127.42