Laparoscopic Banding Device Progress Report #11

Team Members:
Gina Stuessy – Team Leader / BSAC
Anna Moeller – Communications
Kailey Feyereisen – BWIG

Client:
Dr. Thomas Julian
Department of OB/GYN
U.W. – Madison Medical School
Email: tmjulian@wisc.edu

Date: April 14 to April 20, 2007

Problem Statement:
“Design a laparoscopic banding instrument for tubal sterilization that is less traumatic and more dependable” than current, cumbersome, rough, inaccurate product. (Julian)

Past Week’s Goals:
- Obtain other materials
- Construct prototype

Summary of Accomplishments:
- Bought remaining materials
- Constructed most of prototype

This Week’s Goals:
- Finish constructing prototype
- Begin planning presentation, paper

Individual Goals for This Week:
- All: Look at requirements for presentation

Rough Schedule:
1/26—Chose design project, set team roles
1/27-2/2—Client meeting, researched background information
2/3-2/9—Project Design Specifications
2/10-2/16—PDS revisions, brainstormed designs
2/17-2/23—Brainstormed
2/24-3/2—Chose three alternatives, prepare report and presentation
3/3-3/9—Mid-Semester Presentations, report
3/10-3/16—Finished mid-semester report, work on chosen design
3/17-3/23—Worked on design
3/24-3/30—Work on design
3/31-4/6—Spring Break
4/7-4/13—worked on design, construction of prototype
4/14-4/20—construction
4/21-4/27—construction, prepare poster presentation
4/28-5/4—Poster Presentation, write final report
5/5-5/9—Final Report Due
5/11—Final meeting with advisor

**Difficulties:** The tubing we originally purchased to be used as guides for the “fingers” was too large; Anna went to the store to buy smaller tubing.

**Activities:**

<table>
<thead>
<tr>
<th>Members</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gina: team meeting, progress report</td>
<td>2</td>
</tr>
<tr>
<td>Anna: team meeting, buying materials, learning CAD</td>
<td>3</td>
</tr>
<tr>
<td>Kailey: team meeting</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Hours to Date:**

<table>
<thead>
<tr>
<th>Members</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gina:</td>
<td>22.5</td>
</tr>
<tr>
<td>Anna:</td>
<td>21</td>
</tr>
<tr>
<td>Kailey:</td>
<td>21</td>
</tr>
</tbody>
</table>

**Expenses:** Bought approximately $30 worth of materials for preliminary prototype.

**Schedule:**

<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>Start</th>
<th>Finish</th>
<th>Feb 2007</th>
<th>Mar 2007</th>
<th>Apr 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Research</td>
<td>1/29/07</td>
<td>2/23/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>2</td>
<td>Design Prototypes</td>
<td>2/16/07</td>
<td>3/26/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>3</td>
<td>MidSemester Report, Presentation</td>
<td>3/26/07</td>
<td>3/31/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>4</td>
<td>Obtain Materials</td>
<td>3/17/07</td>
<td>4/23/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>5</td>
<td>Construct Chosen Prototype</td>
<td>4/9/07</td>
<td>5/1/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>6</td>
<td>Final Report, Presentation</td>
<td>4/23/07</td>
<td>5/5/07</td>
<td>▪</td>
<td>▪</td>
<td>▪</td>
</tr>
</tbody>
</table>