Progress Report 11

Project Title: Auto-Suture Device
Team Members: Jennifer Wager, Joe Cabelka, Therese Rollmann, and Mark Yarmarkovich
Client: Dr. Marcus, UW Hospital
Advisor: Prof. Tyler
Date: 4/6/07-4/13/07

Problem Statement: Our goal is to develop a device that will apply an intra-nasal purse-string suture in a single step for use in nasal surgery.

Restatement of Team Goals: Research electromagnets and batteries, develop magnet design.

Individual Goals:
Jenny Wager:
1. Research needles and materials

Joe Cabelka:
1. Research materials

Therese Rollmann:
1. Research materials

Mark Yarmarkovich:
1. Research materials

Summary of Accomplishments:
1. Researched some materials to be used in the coil and different gauge wires suitable for different batteries, and the associated current output of the batteries

Summary of Team Goals:
1. Looked into materials for wire and batteries.
2. Design electromagnet and switch device.
3. Integrate closing mechanism with magnetic switch.

Project Schedule:
1/29/07-2/7/07 Meet with client, research
2/7/07 - 2/26/07 Research, brainstorm, and develop PDS
2/26/07 – 3/09/07 Prepare oral presentation and Preliminary Design Report
3/09/07 Mid-semester oral presentation
3/16/07 Preliminary Design Report due
3/16/07 – 3/23/07 Decide on final design
3/23/07 – 4/23/07 Work on design and build prototype
4/23/07 – 5/03/07 Prepare final oral presentation and final report
5/04/07 Final oral presentation
5/04/07 – 5/08/07 Prepare final report, PDS, and design drawings
Activities:
Team:

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<tr>
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<th>Activities</th>
<th>Description</th>
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<tbody>
<tr>
<td>Jenny Wager</td>
<td>-0.5 hr researching scaling analysis</td>
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<td>Joe Cabelka</td>
<td>-45 min updating notebook</td>
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<td>-45 min researching electromagnets</td>
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<td>Therese Rollman</td>
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<td>-15 min updating notebook</td>
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<td>Mark Yarmarkovich</td>
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<td>- 30 min looking and purchasing materials</td>
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<td>-30 min researching wires and batteries</td>
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<tr>
<th></th>
<th>Total Team Hours (x 4 people) for Week</th>
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<tbody>
<tr>
<td>Total Individual Hours for Week</td>
<td>3.25 hours</td>
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<tr>
<td>Cumulative Team Hours to Date</td>
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