Progress Report 2

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: 2/2/07-2/9/07

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: Meet with client, research design topic, research other designs.

Individual Goals:

Jenny Wager:
1. Research design topic
2. Brainstorm
3. Meet with Prof. Masters

Joe Cabelka:
1. Research design topic
2. Brainstorm

Therese Rollmann:
1. Research design topic
2. Brainstorm
3. Meet with Prof. Masters

Mark Yarmarkovich:
1. Research design topic
2. Brainstorm
3. Contact Dr. Garfinkle

Summary of Accomplishments:
1. Initial project research
2. Met with client and advisor for previous group
3. Developed PDS

Summary of Team Goals:
1. Further research into the procedure and other devices
2. Develop design ideas

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
5/09/07 Final report due

**Activities:**

**Team:**

½ hour client meeting
15 minute meeting with Prof. Masters (Jenny and Therese)
15 minute client meeting (Joe and Therese)

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<th><strong>Jenny Wager</strong></th>
<th>Activities</th>
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<td></td>
<td>-0.5 hr-Client meeting</td>
<td>After the client meeting I did some brainstorming design ideas. I also did some additional research on the purse-string suture and how it is applied.</td>
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<td>-0.25 hr-Meeting with Professor Masters</td>
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<td>-1.5hr-Brainstorm</td>
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<td>-0.5 hr-research</td>
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<th><strong>Joe Cabelka</strong></th>
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<td></td>
<td>- 2 hr Researching</td>
<td>This time my research mainly consisted of reviewing last semester's design and progress. I also took a look at their PDS and their final paper to get an understanding of their final thoughts on their project and possibly some ideas about what we should do differently. I also did some research on auto suturing staplers.</td>
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<td>- 1 hr updating notebook</td>
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<th><strong>Therese Rollman</strong></th>
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<td>-2 hour research on auto sutures, nasal surgeries, and previous designs</td>
<td>After hearing from our client, I did some follow up research on the two surgeries that would use the device, rhinoplasty and septoplasty. I looked at current autosuture devices that are used on bowel surgeries. I also researched the work of the design team that previously had this project. Jenny and I also met with Professor Masters to discuss what the last design group had done on the project and possible improvements we could do. I also emailed the 1st design team,</td>
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<td>-15 min setting up meetings with Prof Masters and last design group</td>
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<td>-15 min mtg with professor masters</td>
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and I am hoping they will meet with us sometime late this week or early next week.

| Mark Yarmarkovich | - 1 hour research  
| - 1 hour brainstorming  
| - 15 minutes emailing Dr. Garfinkle | I did some background research into the procedures that involve the device and the conditions that the device would have to perform under. I contacted my past doctor who performs these operations to obtain additional resources. I also looked at some similar suturing devices to obtain ideas for the design. |

| Total Team Hours (x 4 people) for Week | 3.5 hours |
| Total Individual Hours for Week | 10.5 hours |
| Cumulative Team Hours to Date | 22.5 hours |