

Progress Report 1

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: 1/26/07-2/2/07

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

Individual Goals:

Jenny Wager:

1. Research design topic
2. Assemble class schedules

Joe Cabelka:

1. Research design topic

Therese Rollmann:

1. Research design topic

Mark Yarmarkovich:

1. Set up meeting with client
2. Research design topic

Summary of Accomplishments:

1. Initial project research

Summary of Team Goals:

1. Meet with client
2. Develop PDS
3. Continue research

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

Difficulties:

We have not heard back from our client, Dr. Marcus, so we were not able to meet with him. Also, due to BSAC meeting times the team positions may need to be swapped in order to have a BSAC member.

Activities:

Team:

No team meetings this week.

Jenny Wager:

1. Research (3 hr)
I researched auto-suture devices on the market to see what the current technology is. I also researched rhinoplasties to try to understand the type of skin flap that would need to be sutured and where the auto-suture device would need to go.
2. Team Schedules (0.5 hr)
I compiled each team member's schedule to find time that are appropriate for everyone to meet.

Joe Cabelka:

1. Research (2.5 hr)
I researched sutures. I read about different types of suture materials that are used for different tissues. I also read about the importance of choosing the correct needle with the correct geometry and other properties that influence suture quality. I read about alternative suture devices like staples or tape. I also found pictures of different knots used in sutures for different tissues and different purposes that surgeons might use. I found pictures of the types of incisions our client might be making to better understand the type of cut they would need to suture together.

Therese Rollmann:

1. Research (1 hr)
I researched background information relating to the project to get a better understanding of the project before meeting with the client.

Mark Yarmarkovich

1. Research (1.5 hr)
I spent time researching the auto-suture device and what it would do.

Total Team Hours (x 5 people) for Week:	0.00	hours
Total Individual Hours for Week:	8.5	hours
Cumulative Team Hours to Date:	8.5	hours