Expandable Nasogastric Tube

Week 3 September 21st - September 27th

Team: Darren Klaty – Co-Team Leader

Mike Rossmiller - Co-Team Leader

Alex Broderick - BWIG

Megan Halley – Communicator Sarah Czaplewski - BSAC

Advisor: Paul Thompson

Client: Dr. Steven Yale

Problem Statement:

Nasogastric tubes (NG tubes) are commonly used for aspiration of gastric contents and gastric decompression in patients with small bowel obstruction. Placement of a NG tube causes discomfort and pain during insertion due in part to the large diameter of the tube. The project requires a nasogastric a tube which is small enough to reduce discomfort, while still being functional. Secondary design specifications include pH sensitivity, to allow visual confirmation of when the tube reaches the stomach, and recyclability.

Previous Weeks Goals:

- Sarah BSAC meeting
- All Continue background research. Begin brainstorming ideas.

Team Role Accomplishments:

- Leaders Completed Progress Report.
- Communicator Received NG tube from client
- BWIG Put progress report online.
- BSAC NA

Summary of Design Accomplishments:

- All Further research on background on NG tubes
- All Brainstorming meeting, design development.

This Week's Goals/Individual Goals

- Sarah- Continue to attempt go get a contact at the hospital that will give us access to vacuums for testing.
- All Development of assigned designs.

Difficulties:

None this week.

Activities:

Person(s)	Task	Time	Weekly	Semester
		(hrs)	Totals	Totals
Darren	Progress report	.5		
	Design work	.5	1.0	5.5
Mike	Background research	.5		
	Progress report	.5	1.0	4.25
Alex *	Updating website	.25		
	Background Research	2.0	2.25	5.25
Sarah*	Background Research	2.0		
	Contact attempts	1.0	3.0	8.5
Megan*	Research/Brainstorming	1.0	1.0	3.5
Team*	Brainstorming meeting	1.0	1.0	3.0

Project Schedule:

Project Schedule:														
Tasks	September			October			November			Dec				
	7	14	21	28	5	12	19	26	2	9	16	23	1	7
Product R&D														
Background Info	X	X	X											
Design Alternatives														
Final Design														
Materials														
Design Modeling														
Testing														
Presentations														
Mid-Semester														
Final														
Deliverables														
Progress Reports	X	X	X											
PDS	X													
Mid-Semester														
Report														
Final Report														
Meetings														
Team Meetings	X	X	X											
Advisor	X	X	X											
Meetings														
Client Meetings	X													
Website	X	X	X											

Expenses:

No expenses to date