

Expandable Nasogastric Tube

Week 2 September 14th – September 20th

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 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 – Attend BSAC meeting
- All – Continue background research, update notebooks with already acquired information
- Megan – Email client for shipment of nasogastric tube

Team Role Accomplishments:

- Leaders – Completed Progress Report.
- Communicator – Emailed client about receiving shipment of current nasogastric tube
- BWIG – Put the first Progress Report and PDS online.
- BSAC – Attended BSAC meeting on 9/14.
- All- Completed Preliminary PDS.

Summary of Design Accomplishments:

- All - We all researched background info for the project and familiarized ourselves with the relevant designs and current devices.
- All – Completed Preliminary PDS.

This Week's Goals/Individual Goals

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

Difficulties:

None this week.

