

Title: Finger Switch for electrosurgery

Team Members:

Crystal Marshek(Leader)
Nick Kortan
Andrea Rozmenoski
Ryan Sydnor
Valentine Thao(BSAC)
Mike Wells(Communications)
Luke Harris(BWIG)

Date: November 1 - November 7

Problem Statement: To modify electro-cauterizing tweezers used during neurosurgery from an on/off switch currently used in conjunction with a foot pedal to an on/off switch located on the shaft of the tweezers.

Summary of Accomplishments: Met with Bill Hagquist at ME shop, met with Wally about team purpose for the rest of the semester, contacted several companies about their design process and product line.

Statement of Team Goals: We hope to gather all information collected on current forceps designs and design processes, order a set of forceps either from McMaster or from the hospital, order button, contact client on button needs, split poster.

Project Schedule: 11/2-11/9: Research design processes of existing companies that manufacture forceps

For the rest of the semester, we are going to try to accomplish 3 things:

1. Develop a button design
2. Develop a trial design that could be tested
3. Complete a poster

Difficulties:

Activities:

Crystal Marshek - 2 hours: 1 hour collecting and preparing progress report, 1 hour contacting Valleylab
Nick Kortan - 3 hours: 45 minutes meeting with Dr. Badie, 45 minutes meeting with Burke O'Neal, 1 hour on design notebook, 30 minutes research.
Andrea Rozmenoski - 1 hour: talking with Wally and working on notebook
Ryan Sydnor - No report
Valentine Thao - No report
Mike Wells - 1 hour: communications - setting up meetings and random stuff with Dr. Badie, Kara, Bill Hagquist, the group
Luke Harris - 2.5 hours: 1 hour updating website, 1.5 hours looking up information on companies we should contact (Codman - unsuccessful, Storz - successful)