

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 8 - November 14

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 Prof. Webster about circuitry problem, met with Prof. Tompkins, found out the forceps we have can be modified (eliminate the need to purchase an additional set)

Statement of Team Goals: We hope to work out any issues with the use of an electrical switch/button placed near the radio frequency, order an appropriate button.

Project Schedule: 11/14-11/21: figure out button needs and place order
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: collecting and preparing progress report, meeting with Prof. Tompkins
Nick Kortan - 1 hour: met with Prof. Webster
Andrea Rozmenoski - No Report
Ryan Sydnor - 4 hours: Met with Bill Hagquist twice, discussed fabrication of prototype/button, searched mcmaster.com for supplies, communicated results with teammates, worked on design notebook
Valentine Thao - (last week) 1 hour: email storz - no reply back, looked thru page. (this week): No Report
Mike Wells - No Report
Luke Harris - 1 hour: updating web page and keeping design notebook up to date