

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: December 6 - December 12

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 clinical engineering about generator. Worked on final paper and poster. Working with the ME shop to complete forcep modifications by Thursday.

Statement of Team Goals: We hope to have the prototype completed by poster presentation day.

Project Schedule: 12/6-12/12: still working on construction, worked out generator concerns

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

1. Develop a trial design that could be tested
2. Complete a poster and final paper

Difficulties:

Activities:

Crystal Marshek - 2 hours: worked on paper and progress report  
Nick Kortan - 2 hours: met with clinical engineering, Jeff Schowalter, Talya Reiley and worked on design notebook  
Andrea Rozmenoski - 8.5 hours: revised final paper, worked on notebook, did poster sections  
Ryan Sydnor - 6 hours total: Mostly working on the paper, also tracking progress with the ME shop and adding to design notebook.  
Valentine Thao - 5 hours: meeting with Wally, worked on final poster  
Mike Wells - No Report  
Luke Harris - 4.5 hours: working on the poster, updating my notebook, met with Professor Block about the poster, worked on poster