

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 29-December 5

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 Burke O'Neal about buttons and circuit, met with Bill Hagquist, began poster construction and final paper.

Statement of Team Goals: We hope to have the prototype completed with enough time to perform some testing before next Friday.

Project Schedule: 11/29-12/5: received button and circuitry; initializing construction
For the rest of the semester, we are going to try
to accomplish 2 things:

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

Difficulties: None

Activities:

Crystal Marshek - 4.5 hours: collecting and preparing progress report,
group meeting, first draft of report

Nick Kortan - No report

Andrea Rozmenoski - 1 hour: notebook and report revisions

Ryan Sydnor - 3.5 hours: meeting with group on Friday, contacting Bill
Hagquist, contacting Mike in attempt to get buttons so that prototype
construction can finally begin, obtained button, circuit board, and
button/circuit information from Burke O'Neal, which was then given to Bill
Hagquist, discussed construction of prototype with Bill and began the job order
process.

Valentine Thao - 1.5 hour: web page searches, rough draft paper, notebook

Mike Wells - No report

Luke Harris 5 hours: poster (problem definition and design constraints)
and updated notebook