**Group Progress Report**

**Group**: Gauri Prasad, Jocelyn Corey, Tim Hoer

**Project**: Needle Localizer

**Date: 11/19/17**

**Goals for the past week** (copied from last progress report)

1. Prototype the metal detector circuit once parts arrive
2. Continue and complete finger tremor project by improving electrical connections and troubleshooting the reset button.
3. Complete Evaluation, Design Specs, and Hazard Analysis report by Tuesday, November 21
4. Continue to work on mechanical prototype for laparoscopic instrument

**For each goal above, comment on your progress**:

1. The metal detector circuit has been constructed, however it is not functioning. We have ordered a MOSFET rated for higher voltage and are awaiting its arrival. Our search coil still needs to be constructed.
2. The finger tremor project was successfully completed.
3. The Evaluation, Design Specs, and Hazard Analysis report was successfully completed.
4. The mechanical prototype of the laparoscopic probe is complete and mechanical prototype of the device handle is underway.

**Goals for this week**:

1. Demonstrate functioning finger tremor device to Dr. Palmeri.
2. Complete design of mechanical prototype and begin to print the new design.
3. Build search coil and continue to troubleshoot metal detecting circuit.

**Are there any difficulties with which you need assistance?**

We will continue to work with Matt Brown on the metal detecting circuit and search coil, however he is very busy during this time of year.

**Other comments:**

N/A