**Group Progress Report**

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

**Project**: Needle Localizer

**Date: 11/26/17**

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

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.

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

1. We successfully demonstrated the functional finger tremor device to Dr. Palmeri
2. Mechanical prototype design was completed, looking into printing the design
3. The metal detector circuit can be seen to be functional with larger search coils

**Goals for this week**:

1. Continue to prototype metal detector circuit
2. Build smaller search coils and test feasibility of circuit
3. Research materials for the device, particularly the sheath.

**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. Plans are to 3D print small cylinders on which we can make smaller and smaller search coils.

**Other comments:**

N/A