Week 5 Report

Work Completed

This week I have continued to program the LCD remote control. I am adjusting the changes to the main menus and sub menus for the device. I have begun the coding that will control the micro pumps for contraction and relaxation. This has been my main area of focus and will continue to be for a few weeks.

The device menus for the remote control are coming along nicely now that I have changed the device interface. The remote is much simpler to use and understand. By moving the menus to the top of the screen and allowing them to be present at all times, it makes the operation of the device much simpler for the user.

Figure 1 – CUTOUCH
Artificial Sphincter

Alan contacted me and Dr. Enderle on Wednesday saying that the agreement from his legal department has been sent to Dr. Enderle. Once Dr. Enderle signs and returns the agreement Alan will send us parts from the artificial sphincter. Once we receive the parts we can begin to create the physical implantable sphincter.

Wireless Communication

This week I did minimal work with the wireless portion of the device. I would like to have the Acode 300’s sending simple signals by the end of the week, just simply turning on and off an LED.

Future Work

This coming week I will continue to debug the program for the LCD Remote. I hope to be able to turn on and off one of the micro pumps by the end of the week. Also we should be receiving the leg strap urine collection bag and begin to build our test setup.

Hours Worked

This week I worked 10 hours. The snow storm on Friday prevented further work and has created a small setback. Most time was spent programming and troubleshooting the LCD remote control code.