

Egas Moniz visit report

The following report is a brief recap and notes from the visit to Egas Moniz hospital on 28/11/2016.

4 different test subjects were used to perform muscle tonus tests and posturography assessments. Due to technical difficulties, we were unable to use the force platform.

Patient 1 -> 54 years and had lupus; Difficulties in standing for 30 s on one foot; High BMI which made the placement of the electrodes more difficult and possibly a bad signal from the muscle;

Patient 2 -> 59 years and had spondylitis. Difficulties trying to stand on the left foot with closed eyes. Couldn't do it with the left feet;

Patient 3 -> 31 years and had spondylitis. Pain during the whole session. Increase pain when facing up while lying down. No problems performing the tests. One electrode came loose at the end of one of the tests. High percentage of body fat in the abdomen region that made difficult the placement of the electrodes and possibly corrupted the signal;

Patient 4 -> 75 years and had rheumatoid arteritis. A lot of flaccidity due to a rapid weight loss. Didn't do the tests on one feet. Difficulty in reaching the object with the left arm.

The mean duration of each session was between 25 to 30 minutes, which can be brought down by using a more streamlined protocol, placing less electrodes or place the electrodes while the test subject is standing.

This friday two additional sessions were performed on two healthy test subjects to solve the technical issue with the force platform. A different laptop was used, which was able to maintain a stable connection, only losing it once.