

**Here a detailed explanation for the EMG experiment was made.  
In the next week's experiments, you should prepare your reports  
bymaking use of the files of these experiments in the same way.**

Our subjects in the lesson were EMG1 and EMG2 experiments. But for this, you will prepare a single report, not two separate reports. On the title page, you can write the name of the experiment as "EMG1&EMG2" or as "EMG". In the Objective part, you should write the purpose of both experiments. You can write it as follows (item by item):

-The objectives of the EMG1 experiment are...

-The objectives of the EMG 2 experiment are...

In the theory section, you should provide theoretical information(inf. of EMG1 and EMG2) not exceeding one paragraph. In this section, as you should not do in other sections, you should not copy and paste the same sentences written in Biopack.

In the theory section, you can also refer to the words(motor unit recruitment, dynamometry, fatigue, EMG,...) that we focused on in the lesson. In the theory section, you can also give information about the differences in the dominant and non-dominant arm, and what can affect muscle strength.

In Data and calculations part, you should analyze the Gail-L01 and Gail-L02 samples in the "Review Sample Data" section of Biopack as we did in the lesson.

You should fill in the tables at the end of these files after performing the analysis and add them to the Data&Calculations section in your reports.

As I mentioned in the lab report format "Show all the calculations with the equations (if there is any)" .

The only part you need to calculate in this experiment is the "Calculate 50% of max. clench force" part in Table 2.2 in Gail-L02. There may be more parts to calculate in future experiments. This is already stated in the table and question sections in the analysis file.

In the discussion section, you should interpret the data obtained as a result of the experiment. You can interpret the graphics in the Gail L01 and Gail L02 sample files. You can also interpret the analysis results that you add to the tables. You can discuss the reasons for these results for example like this : "These results may have been obtained because the subject was male/female. The results may have been like this because the subject was a person who is doing sport and training. The electrodes may not be properly adhered to the subject's skin, the cables may be making contact. The leads are not connected properly or there may be a lack of contact between the leads and the tip of the electrodes."

In the Questions section, you must answer the questions at the end of the Gail-L01 and Gail-L02 sample pages.