

Lab Report 14

Purpose:

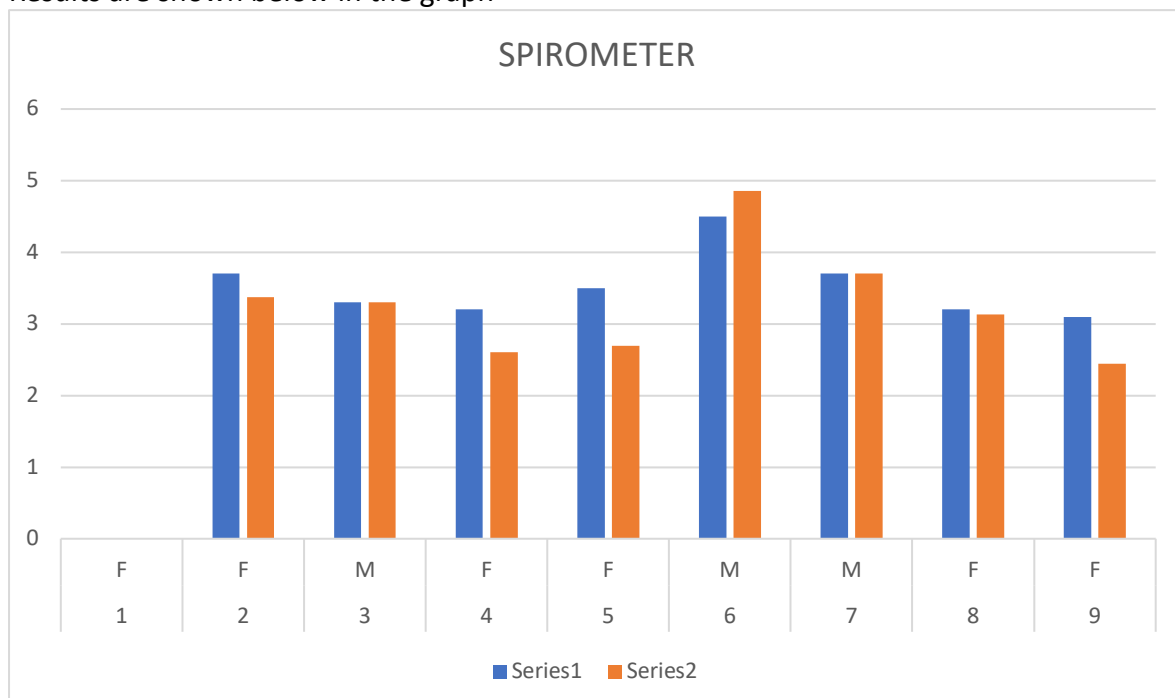
The purpose of lab 14 was to know the movement of air coming in and out of the lungs. Like how the lungs ventilate and how it can be measured through a spirometer.

Procedure:

- For this lab you will need a baseline lung capacity spirometer
- Insert the clear plastic mouthpiece on the windmill – type spirometer and make sure the measurement indicator is at the zero position before beginning.
- Make sure you only exhale into the spirometer, but DO NOT INHALE from it.
- After exhaling record the measurement from the spirometer.

Results:

Results are shown below in the graph



the VC (blue) and FEV (orange)

Discussion:

In discussion I had hypothesis that the sex will make a difference on the rate of airway flow also the different types of spirometers.

Conclusion:

In conclusion from the classes results male had a higher vc and fev. Females range between 2.0 – 3.6 which is considered normal. The males average should be around 4.0 range or higher but some did score less at 3.2.