Lab 1 - Hemorrhage

Cardiac Outputs, PRA, Sodium Excretion, EPO, Brain Blood Flow and Sympathetic Nerve Activity differ between QCP and HumMod

Plasma volume falls again in HumMod for some unknown reason

Lab 2 – AV Fistula

Cardiac Output, Muscle Blood Flow, Blood Volume, Red Cell Volume, Plasma Volume, Hematocrit and PRA have noticeable different values or trends.

HumMod involves faster patient exhaustion during exercise.

Lab 3 – Fick’s Principle

No trends to notice, values between HumMod and QCP differ but the actual and calculated Cardiac Outputs are both reasonably accurate.

Lab 4 – Pulmonary Shunt

Blood Pressure, Cardiac Output, Sympathetic Nerves, PRA, Na+ excretion, EPO , blood volume data, and Hematocrit are all significantly different.

The Exercise could not be completed in HumMod seeing as the program crashed before a full month could be completed.

Lab 5 – Respiratory Acidosis

Lab Missing.

Lab 6 – Water Load

The oral water load does not actually cause the addition of any water to the total body volume of the patient in HumMod. Hence, data points in this lab are irrelevant.