

**Supplement Figure 1:** Schematic of ramp and exercise study. At completion of ramp study, measurements were taken after 1 minute rest at baseline and maximal speed, and then at 15W workload, and finally at maximal workload (~45W). At maximal workload, 9 patients had measurements after 1 minute baseline speed then after 1 minute at maximal speed and 5 patients were studied 1 minute maximal speed then after 1 minute at baseline speed while exercising at maximal workload. Patients were encouraged to maintain the same cadence during the maximum workload for both speeds and recording periods.

