



Supplementary Figure S1. Graphs of the mean $\text{Log}(V_{UCM})$ and $\text{Log}(V_{ORT})$ in the V direction. The top four panels indicate the $\text{Log}(V_{UCM})$, and the bottom four panels indicate the $\text{Log}(V_{ORT})$. Error bars represent the standard deviation among participants. * indicates a significant difference. In the trailing limb during the post-crossing phase, the $\text{Log}(V_{UCM})$ in older adults was significantly higher than that in younger adults at 61–80% ($t(45) = -2.83, p = .007$) and 81–100% ($t(45) = -2.66, p = .011$). In the trailing limb during the post-crossing phase, the $\text{Log}(V_{ORT})$ in older adults was significantly higher than that in younger adults at 81–100% ($t(45) = -2.23, p = .031$). No other difference between older and younger adults was found.