Hip kinematics during one gait cycle (a-c) flexion (+)/extension(-), abduction (-)/adduction (+) and internal (+)/external (-).

GRF during stance phase of the gait cycle (a-c) medial(+)/ lateral(-), anterior (+)/posterior (-), and vertical (+)

Hip moments during stance phase of one gait cycle (a-c) flexor (+)/extensor(-), abductor(-)/adductor (+) and internal (+)/external rotator (-).

Hip power during stance phase of the gait cycle (a-c) sagittal generation (+)/ absorption (-), frontal generation (+)/absorption (-) and transverse generation (+)/ absorption (-).