

Battle ropes are a useful e!er ise tool and an "e versatile in in orporating different types of movement# \$he in orporation of "attles ropes to a training regime an improve ardiorespiratory fitness and "uild overall mus ular strength# %e& studies have loo'ed at the differen es in "iome hani al fa tors and mus le a tivity & hile performing "attle rope sets "oth unilaterally and "ilaterally# \$he purpose of this study is to loo' at the differen es ("oth 'ineti and 'inemati) of the lo&er e!tremities &hile performing "attle rope sets# \$0 measure these differen es, a for e plate along &ith motion apture soft&are &ill "e used to olle t the 'inemati and for e data of the "attle rope sets# All the parti ipants &ill "e as 'ed to do different "attle rope e!er ises to ompare the unilateral e!er ises and the "ilateral e!er ises# \$he signifi an e of the e!pe ted findings &ill give users 'no&ledge of effi ien y of movement, safety of movement, and the a"ility to apply emphasis on ertain mus le groups & hile using "attle ropes#

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