Introduction

IS THE REDUCED SPIKE-JUMP PERFORMANCE IN ELITE FEMALE VOLLEYBALL PLAYERS DETERMINED ONLY BY SEX DIFFERENCES IN ANATOMY, STRENGTH, AND POWER?

- Jump height: High importance, difference w/m
- Cause: Biology / technique ?



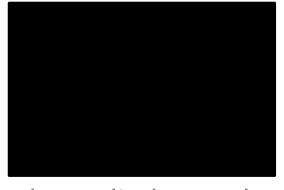
- Sex dependent differences
- Sex specific training intervention



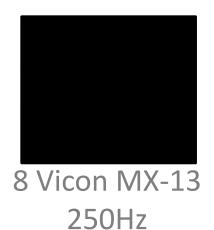


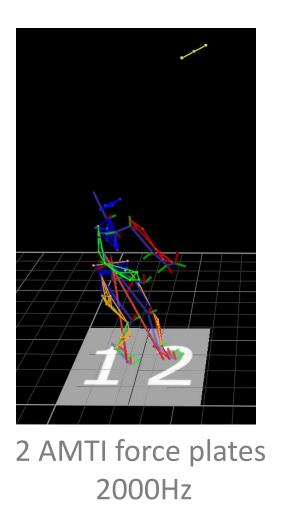
Methods

- 14 female, 14 male elite players
- 10 spike jumps per participant



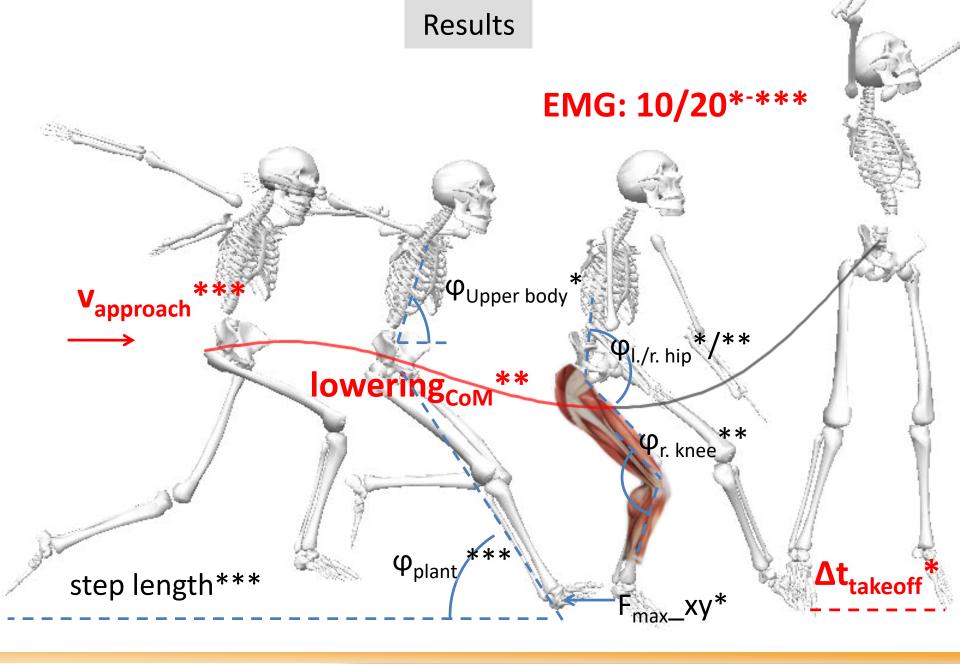
5 lower limb muscles 2000Hz (Myon EMG)





Full Body Plug-In Gait + Clusters + V3D model





- Beneficial motion characteristics of males
- Investigated variables affected by biology?
- Maybe some but clearly not all!
- Sex specific training:
 - Possible + seems beneficial
 - Applicable, effective?

