

Supplementary Table S1: Description of the marker locations placed on the body.

Trunk	
LSH	14mm marker over tip of left shoulder (AC joint)
RSH	14mm marker over tip of right shoulder (AC joint)
C7	14mm marker over spinous process of 7 th cervical vertebra
T7	14mm marker over spinous process of 7 th thoracic vertebra
MAN	14mm marker over manubrium of thoracic cage
Pelvis	
RASI	14mm marker placed over right anterior superior iliac spine (ASIS)
LASI	14mm marker placed over left anterior superior iliac spine (ASIS)
SACR	14mm marker placed over midpoint between left and right posterior superior iliac spines (PSIS)
Right Thigh	
RTHAP	14mm marker located at the proximal anterior aspect of the right thigh
RTHAD	14mm marker located at the distal anterior aspect of the right thigh
RTHLP	14mm marker located at the proximal lateral aspect of the right thigh (upper end of thermoplastic bar)
RTHLD	14mm marker located at the proximal distal aspect of the right thigh (lower end of thermoplastic bar)
RLEPI	14mm marker over lateral epicondyle of right femur
RMEPI*	14mm marker over medial epicondyle of right femur
Left Thigh	
LTHAP	14mm marker located at the proximal anterior aspect of the left thigh
LTHAD	14mm marker located at the distal anterior aspect of the left thigh
LTHLP	14mm marker located at the proximal lateral aspect of the left thigh (upper end of thermoplastic bar)
LTHLD	14mm marker located at the proximal distal aspect of the left thigh (lower end of thermoplastic bar)
LLEPI	14mm marker over lateral epicondyle of left femur
LMEPI*	14mm marker over medial epicondyle of left femur
Right shank	
RTIAP	14mm marker located on the proximal 1/3 of the anterior shaft of the right tibia
RTIAD	14mm marker located on the distal 1/3 of the anterior shaft of the right tibia
RTILAT	14mm marker located on the mid lateral aspect of the right tibia
RLMAL	14mm marker located over the right lateral malleolus
RMMAL*	14mm marker located over the right medial malleolus
Left Shank	
LTIAP	14mm marker located on the proximal 1/3 of the anterior shaft of the left tibia
LTIAD	14mm marker located on the distal 1/3 of the anterior shaft of the left tibia
LTIAT	14mm marker located on the mid lateral aspect of the left tibia
LLMAL	14mm marker located over the left lateral malleolus
LMMAL*	14mm marker located over the left medial malleolus
Right foot	
RHEEL	14mm marker on distal aspect of bisection of right posterior calcaneum
RMID	14mm marker on medial right midfoot
RLATMID	14mm marker on lateral right midfoot
RP1MT	14mm marker on medial aspect of right 1 st MTP joint
RP5MT	14mm marker on lateral aspect of right 5 th MTP joint
RTOE	14mm marker on distal end of 1 st toe of right foot
Left foot	
LHEEL	14mm marker on distal aspect of bisection of left posterior calcaneum
LMID	14mm marker on medial left midfoot
LLATMID	14mm marker on lateral left midfoot
LP1MT	14mm marker on medial aspect of left 1 st MTP joint
LP5MT	14mm marker on lateral aspect of left 5 th MTP joint
LTOE	14mm marker on distal end of 1 st toe of left foot
Right arm	
RARM	14mm marker located at the half way point laterally on the right humerus
RELB	14mm marker over lateral epicondyle of right humerus
RFOREARM	14mm marker located at the half way point laterally on the right forearm
RWR	14mm marker over dorsal aspect of right wrist
Left arm	
LARM	14mm marker located at the half way down laterally on the left humerus
LELB	14mm marker over lateral epicondyle of left humerus
LFOREARM	14mm marker located at the half way point laterally on the left forearm
LWR	14mm marker over dorsal aspect of left wrist

* Markers required for static calibration trial only