Supplementary material

Supplementary Table 1. Description of the anatomical markers.

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| Num. | Marking anatomical sites | Abbreviations | Full names |
| 1 | Head Markers | LAH | Left Anterior Head |
| 2 | RAH | Right Anterior Head |
| 3 | LPH | Left Posterior head |
| 4 | RPH | Right Posterior head |
| 5 | Torso Markers | SJN | Sternum Jugular Notch |
| 6 | SXS | Sternum Xiphoid Process |
| 7 | CV7 | Cervical Spine Vertebra 7 |
| 8 | TV2 | Thoracic Spine Vertebra 2 |
| 9 | TV7 | Thoracic Spine Vertebra 7 |
| 10 | LHGT | Left Glenohumeral Joint |
| 11 | RHGT | Right Glenohumeral Joint |
| 12 | Waist Markers | LIAS | Left Iliac Anterior Spine |
| 13 | RIAS | Right Iliac Anterior Spine |
| 14 | LIPS | Left Iliac Posterior Spine |
| 15 | RIPS | Right Iliac Posterior Spine |
| 16 | Upper Extremity Markers | LCAJ | Left Clavicle-Acromion Joint |
| 17 | RCAJ | Right Clavicle-Acromion Joint |
| 18 | LHLE | Left Humerus Lateral Epicondyle |
| 19 | RHLE | Right Humerus Lateral Epicondyle |
| 20 | LHME | Left Humerus Medial Epicondyle |
| 21 | RHME | Right Humerus Medial Epicondyle |
| 22 | LUA | Left Upper Arm |
| 23 | RUA | Right Upper Arm |
| 24 | Hand Markers | LHM2 | Left Hand Second metacarpal |
| 25 | RHM2 | Right Hand Second metacarpal |
| 26 | LUSP | Left Ulna Styloid Process |
| 27 | RUSP | Right Ulna Styloid Process |
| 28 | LRSP | Left Radius Styloid Process |
| 29 | RRSP | Right Radius Styloid Process |
| 30 | Lower Extremity Markers | LFTC | Left Femoral greater Trochanter |
| 31 | RFTC | Right Femoral greater Trochanter |
| 32 | LFLE | Left Femur Lateral Epicondyle |
| 33 | RFLE | Right Femur Lateral Epicondyle |
| 34 | LFME | Left Femur Medial Epicondyle |
| 35 | RFME | Right Femur Medial Epicondyle |
| 36 | LTH | Left Thigh |
| 37 | RTH | Right Thigh |
| 38 | LSK | Left Superior Knee |
| 39 | RSK | Right Superior Knee |
| 40 | LTTC | Left Tibial Tubercle |
| 41 | RTTC | Right Tibial Tubercle |
| 42 | LFAX | Left Fibula Apex |
| 43 | RFAX | Right Fibula Apex |
| 44 | Foot Markers | LFAL | Left Fibula Ankle Lateral |
| 45 | RFAL | Right Fibula Ankle Lateral |
| 46 | LTAM | Left Talus Ankle Medial |
| 47 | RTAM | Right Talus Ankle Medial |
| 48 | LFM5 | Left Foot Fifth Metatarsal |
| 49 | RFM5 | Right Foot Fifth Metatarsal |
| 50 | LFM2 | Left Foot Second Metatarsal |
| 51 | RFM2 | Right Foot Second Metatarsal |
| 52 | LFM1 | Left Foot First Metatarsal |
| 53 | RFM1 | Right Foot First Metatarsal |
| 54 | LFCC | Left Foot Calcaneus |
| 55 | RFCC | Right Foot Calcaneus |
| 56 | LDP1 | Left First Distal Phalanx |
| 57 | RDP1 | Right First Distal Phalanx |