

Materials List for:

# Using Gold-standard Gait Analysis Methods to Assess Experience Effects on Lower-limb Mechanics During Moderate High-heeled Jogging and Running

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## Materials

| Name                            | Company                              | Catalog Number  | Comments                                                             |
|---------------------------------|--------------------------------------|-----------------|----------------------------------------------------------------------|
| Motion Tracking Cameras         | Oxford Metrics Ltd., Oxford, UK      | MX cameras      | n= 8                                                                 |
| Vicon Nexus                     | Oxford Metrics Ltd., Oxford, UK      | Version 1.4.116 | Proprietary tracking software (PlugInGait template)                  |
| Dongle                          | Oxford Metrics Ltd., Oxford, UK      | -               | -                                                                    |
| MX Ultramet HD                  | Oxford Metrics Ltd., Oxford, UK      | -               | -                                                                    |
| Vicon Datastation ADC           | Oxford Metrics Ltd., Oxford, UK      | -               | External ADC                                                         |
| Passive Retro-reflective Marker | Oxford Metrics Ltd., Oxford, UK      | -               | n=16; Diameter=14 mm                                                 |
| Force Platform Amplifier        | Kistler, Switzerland                 | 5165A           | n=1                                                                  |
| Force Platform                  | Kistler, Switzerland                 | 9287C           | n=1                                                                  |
| T-Frame                         | Oxford Metrics Ltd., Oxford, UK      | -               | -                                                                    |
| Double Adhesive Tape            | Oxford Metrics Ltd., Oxford, UK      | -               | For fixing markers to skin                                           |
| moderate high-heeled shoe       | Daphne, Hong Kong                    | 13085015        | Heel height: 4.5cm; Size:37EURO                                      |
| Microsoft Excel                 | Microsoft Corporation, United States | Version 2010    | For low pass filtering data and calculations; Add-in:Butterworth.xla |
| Origin                          | OriginLab Corporation, United States | Version 9.0     | Plot GRF-time curve                                                  |
| Stata                           | Stata Corp, College station, TX      | Version 12.0    | Statistical analysis                                                 |