



Supplementary Figure 1. Automatic labeling of the hip joint with or without fore arm occlusion. A: Lateral photo of a patient with visible acromion and greater trochanter marked with detachable sticker (annotated with red circle and light blue arrow). B: The estimated joint position of the hip joint (marked with the light blue arrow) with ear, shoulder, knee, ankle, toe and heel marked with red dots and lines. C: Lateral photo of the patient from Supplementary Figure 1A with hip joint occluded with the left forearm. Acromion marked with detachable sticker (annotated with red circle and light blue arrow). D: Estimated joint positions (ear, acromion, hip, knee, ankle, toe and heel marked with red dots and lines) with hip joint marked with light blue arrow.