Figure. Time series of the tilt (sagittal plane), obliquity (frontal plane), and rotation (transverse plane) pelvic angles (mean ±1SD) during normal walking calculated using five different pelvic technical marker sets. Standard: based on the right and left anterior superior iliac spines (RASIS and LASIS) and the midpoint of the right and left posterior superior iliac spines (RPSIS and LPSIS) markers; Functional: based on the hip joint centers (HJCs) estimated with a functional method and described with clusters of markers at the thighs and the midpoint of the RPSIS and LPSIS markers; Predictive: based on the HJCs estimated with a predictive method and described with clusters of markers at the thighs and the midpoint of the RPSIS and LPSIS markers; Helen-Hayes: based on the HJCs estimated with a predictive method and described with markers on the skin at the thighs and the midpoint of the RPSIS and LPSIS markers; RICLIC: based on the right and left iliac crests and the midpoint of the RPSIS and LPSIS markers. For sake of clarity, the time series calculated using the standard marker set is shown in all graphs (in blue).

Pelvic angle (°)