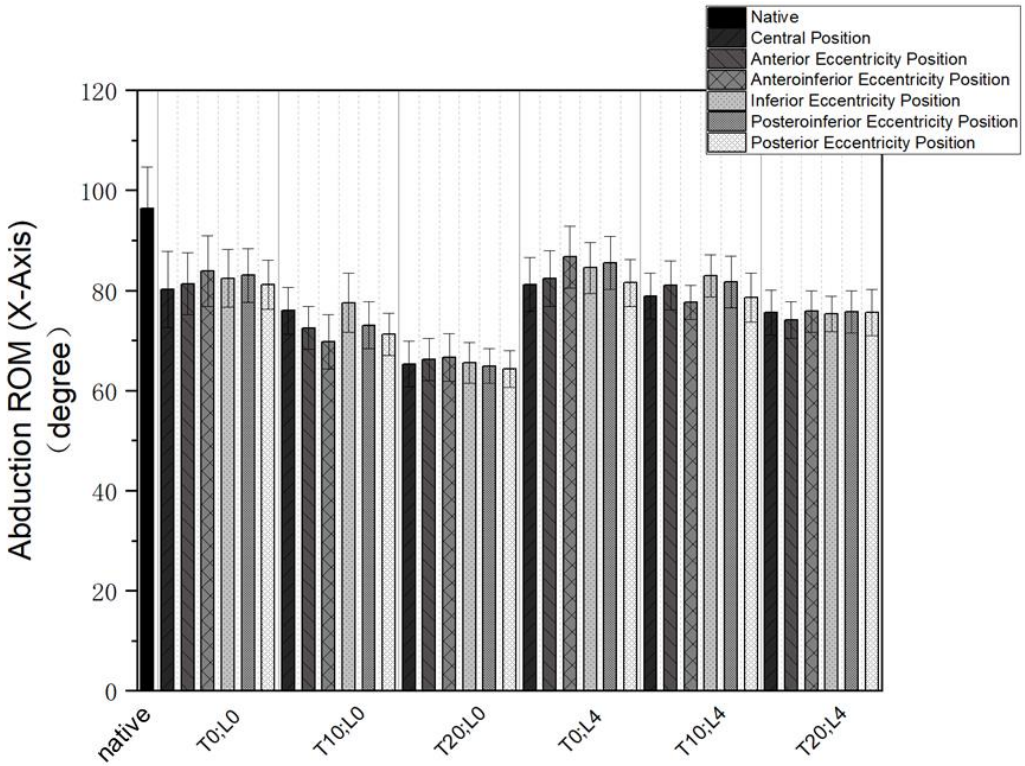
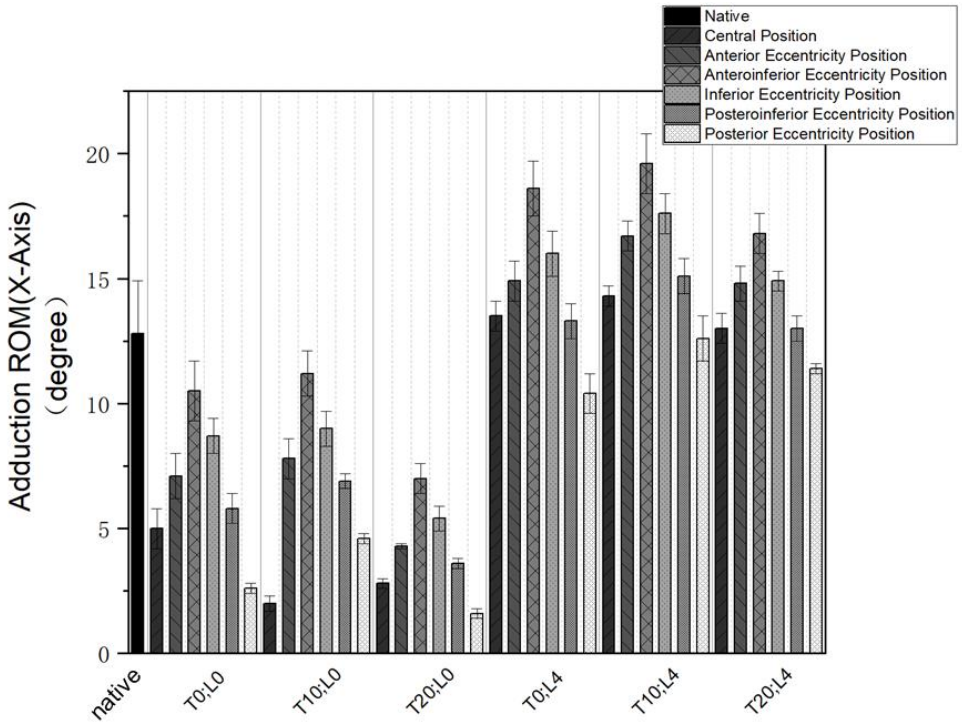
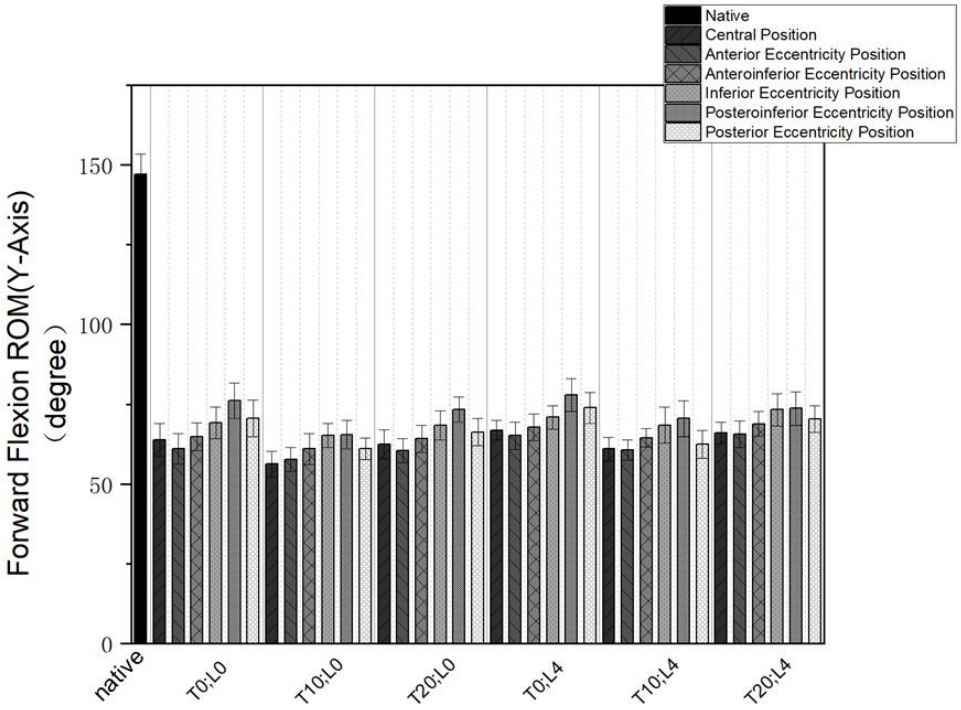
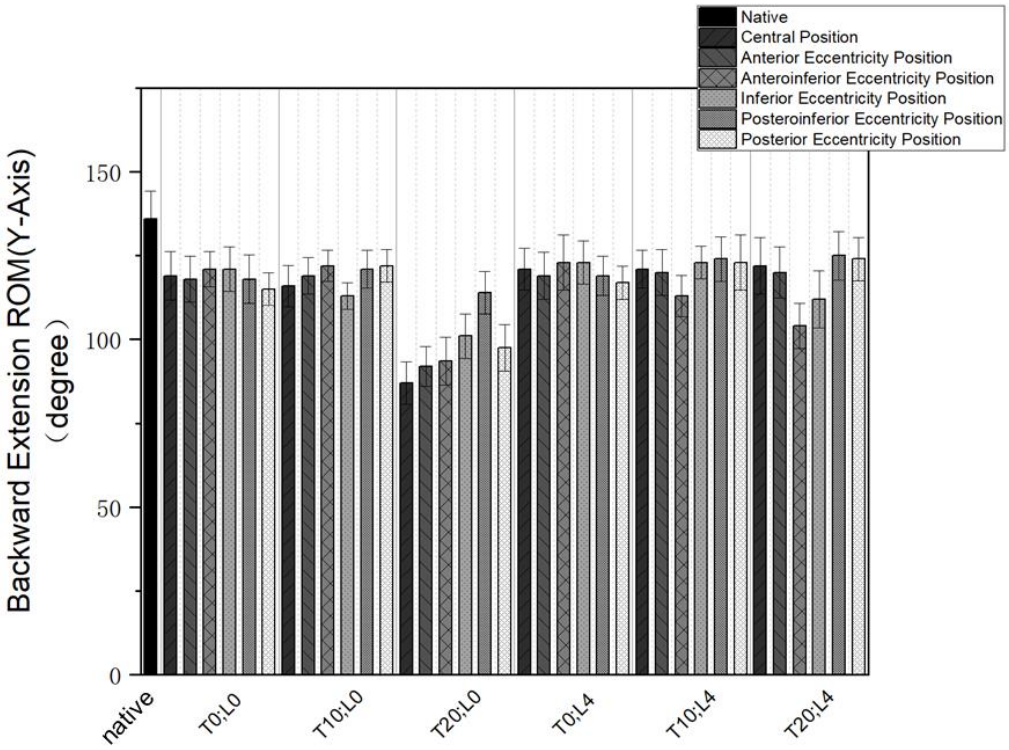
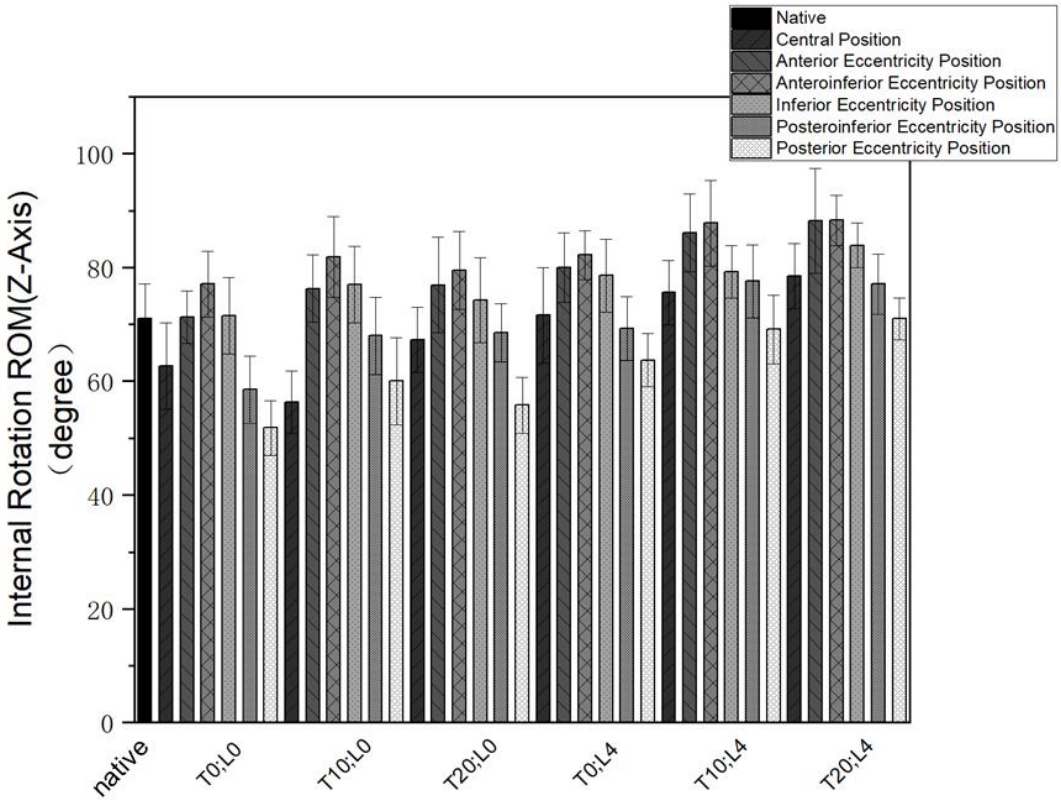
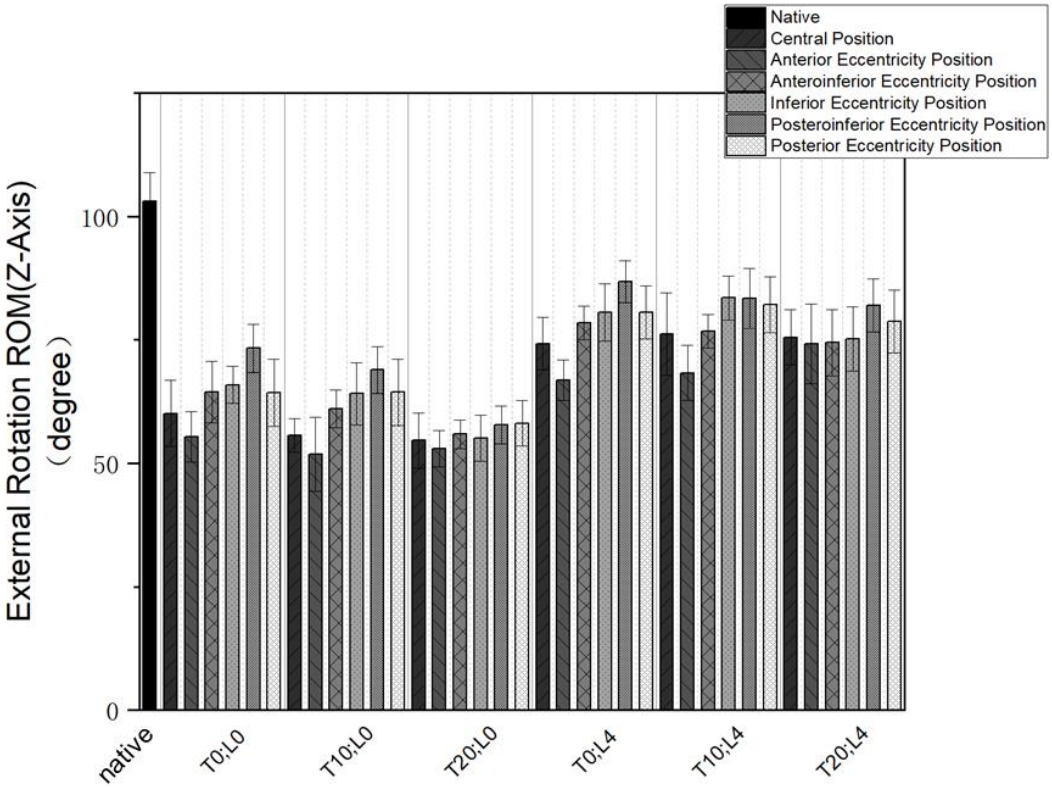

Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
Abduction ROM (X-Axis)
（degree）
0
20
40
60
80
100
120
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4


Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
Adduction ROM(X-Axis)
（degree）
0
5
10
15
20
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4


Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
Forward Flexion ROM(Y-Axis)
（degree）
0
50
100
150
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4


Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
Backward Extension ROM(Y-Axis)
（degree）
0
50
100
150
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4


Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
Internal Rotation ROM(Z-Axis)
（degree）
0
20
40
60
80
100
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4


Native
Central Position
Anterior Eccentricity Position
Anteroinferior Eccentricity Position
Inferior Eccentricity Position
Posteroinferior Eccentricity Position
Posterior Eccentricity Position
External Rotation ROM(Z-Axis)
（degree）
0
50
100
native
T0;L0
T10;L0
T20;L0
T0;L4
T10;L4
T20;L4