

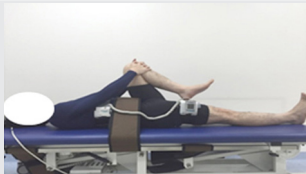





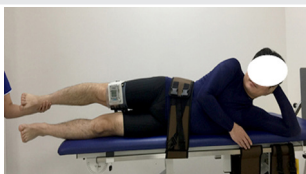
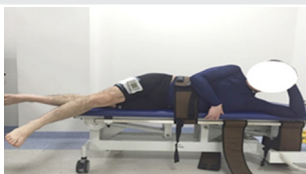

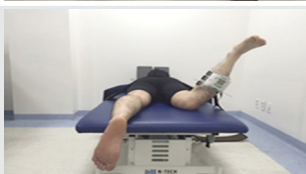


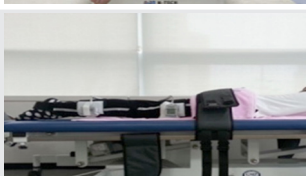



## SUPPLEMENTARY MATERIALS


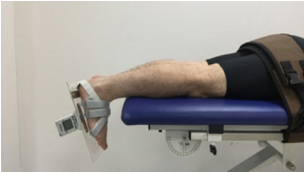


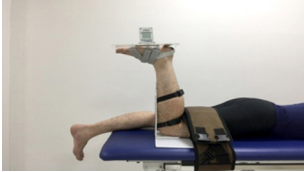
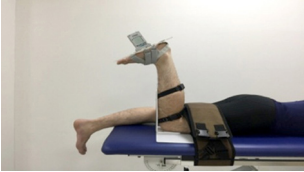
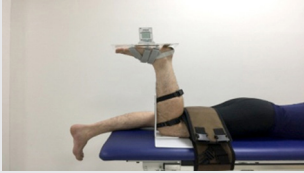
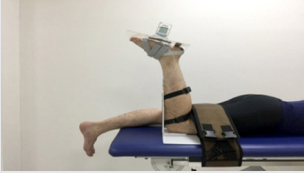
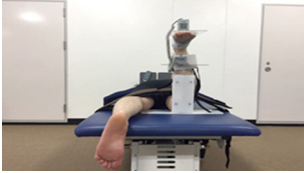
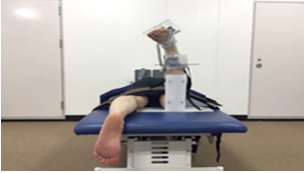


**Table S1.** Measurement position

		Motion	
		Starting position	Ending position
Shoulder	Flexion		
	Extension		
	IR 90°		
	ER 90°		
	ER 0°		
	Abduction		
Elbow	Flexion		
Wrist	Flexion		

**Table S1.** Continued 1

		<b>Motion</b>	
		<b>Starting position</b>	<b>Ending position</b>
	Extension		
Hip	Flexion		
	Extension		
	Abduction		
	Adduction		
	IR		
	ER		
Knee	Flexion		

**Table S1.** Continued 2

		<b>Motion</b>	
		<b>Starting position</b>	<b>Ending position</b>
Ankle	DF 0°		
	PF 0°		
	DF 90°		
	PF 90°		
	Inversion		
	Eversion		

IR, internal rotation; ER, external rotation; PF, plantarflexion; DF, dorsiflexion.

**Table S2.** Inclinometer measurement: sensor attachment, site of applying pushing force (upper limb)

		<b>Sensor attachment</b>	<b>Site of applying pushing force</b>	<b>Pushing force (kg)</b>
Shoulder	Flexion, extension	Distal 1/3 of the line connecting the humeral greater tuberosity and olecranon	Distal part of humerus	0, 2
	IR, ER	Proximal 1/3 of the line connecting the olecranon and ulnar styloid	Distal part of forearm	0, 2
	Abduction	Distal 1/3 of the line connecting the humeral greater tuberosity and olecranon	Distal part of humerus	0, 2
Elbow	Flexion	Proximal 1/3 of the line connecting the olecranon and ulnar styloid	Distal part of forearm	0, 2
Wrist	Flexion	Palmar side of the 3rd metacarpal	Hand dorsum	0, 2
	Extension	Palmar side of the 3rd metacarpal	Palm	0, 2