

## Appendix 1: Outcome variable to be extracted from experimental studies

<b>Temporospatial</b>	<b>Kinematics</b>		<b>Kinetics</b>	
BMI	Knee adduction range of motion (ROM)	Knee	Peak knee adduction moment (KAM)	Knee
Walking speed	Knee sagittal ROM		KAM loading rate (rate of force development)	
Stride width (from midline)	Hip-knee-ankle adduction angle		KAM impulse	
Stride/step length/symmetry	Varus/valgus angle - knee adduction angle		Peak knee joint contact forces	
Stance/contact time	Knee flexion at heel strike		Joint reaction force at terminal stance	
Leg length discrepancy	Knee flexion at toe off	Peak knee sagittal/flexion/extension plane moments		
Cadence		Knee rotation moment early stance		
		Knee flexion moment at loading response		
<b>Ground Reaction Force (GRF)</b>	Peak hip extension	Flexion moment at terminal stance		
Vertical GRF at heel strike	Peak hip flexion angle	Net work		
Horizontal GRF at heel strike	Hip flexion at toe off	Positive work		
Vertical GRF loading rate	Hip ROM sagittal	Negative work	Knee	
Prosthetic horizontal GRF at push-off	Hip flexion at loading response			
Peak vertical GRF		Peak hip extension moment	Hip	
	Peak trunk flexion angle			
	Peak lumbar spine extension	Lumbar-pelvic lateral joint reaction force	Trunk/Pelvis	
	Lumbar-pelvis spine extension	Anterior lateral joint reaction force - lumbar-pelvic		
	Peak coronal/frontal/lateral/contralateral pelvic tilt	Mediolateral shear joint reaction force of trunk		
	Peak anterior-posterior/sagittal pelvic tilt	Anterior-posterior shear joint reaction force of trunk		
	Pelvic ROM in frontal plane	Compression joint reaction force forces of trunk		
	Pelvic ROM in sagittal plane	Lumbar/pelvic joint power		
	Lumbar transverse plane rotation ROM	Lower back joint contact force		
	Sagittal plane pelvis angle	Joint work L5/S1 (frontal and sagittal plane)		
	Side flexion of trunk-pelvis			
	Mediolateral trunk sway			
	Lumbar lordosis angle			
		Trunk/Pelvis		