

**Supplementary file 6: Unique outcomes mapped to potential domains and core areas according to COMET**

**Online Supplementary file 4. Table: Unique outcomes mapped to potential domains and core areas according to COMET**(Dodd et al., 2018)

Outcomes ( n=157)	Subdomains	Domains	Core Areas
Isometric muscle strength	Muscle strength/function	Musculoskeletal and connective tissue domain	Physiological/Clinical
Concentric strength			
Eccentric strength			
Muscle flicker/contraction			
Anti-gravity muscle activity			
Muscle endurance			
Muscle fatigue			
Muscle torque			
Active range of movement	Active movement		
Perception of movement	Passive movement		
Antigravity movement			
Independent movement without donor			
Passive range of movement	Control of movement/stability		
Movement control/stability			
Muscle mass	Muscle mass		
Bony union	Bone structure/position		
Joint position			
Joint stability			
General sensory recovery	General sensory recovery	Nervous system	
Feeling of numbness			
Proprioception			
Light touch	Discriminative touch		
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Vibration			
Object recognition			
Pain	Protective touch		
Temperature			
Deep pressure			
Brachial plexus structure	Peripheral nervous system structure		
Level of reinnervation	Reinnervation		
Time to reinnervation			
Progression of regeneration	Progression of regeneration		
Speed of motor sensory conduction	Speed of motor and sensory conduction		
Pain intensity	Pain intensity/relief	General outcomes/symptoms	
Pain relief / reduction			
Pain duration	Pain duration/frequency		
Pain frequency			
Pain quality	Pain quality and interference with life		
Pain interference with walking			
Pain interference in mood			
Pain interference with work			
Pain interference in activities of daily living			
Pain interference with relationships			
Pain interference with enjoyment of life			
Pain interference with sleep			
Sensitivity to cold	Pain when arm exposed to cold		
Paraesthesia	Paraesthesia and itchiness		
Itchiness			

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Sensitivity to pressure	Sensitivity to touch, pressure etc		
Sensitivity to touch			
Pain location	Location of pain		
Pain relief from medication	Pain medication use		
Stiffness	Stiffness		
Impact on general sleep	Impact on sleep		
Impact on sleep on affected side			
Frequency sleep disturbed by injury			
General physical function	Physical function non-specific	Physical functioning	Life Impact
Patient led functional outcome			
Walking short distance	Lower limb and non -upper limb function		
Balance			
Running			
Climbing stairs			
Bending			
Reaching	Reaching, pulling, pushing, carrying etc		
Pulling			
Pushing			
Carrying			
Throwing			
Lifting			
General function of arm			
Turning and twisting arm	Turning twisting, gripping and releasing with the arm		
Grip and release			
Pinching	Fine hand movement including writing		
Fine hand movement (writing/buttons)			
Returning to work	Impact on paid or unpaid work or role in education	Role functioning	
Ability to do work			
Usual time at work			
Type of work			

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Usual school activities			
General rating to perform a patient specific activity	Role function - patient specific		
Impact on ADL (general)	Carrying out daily routine, (including food preparation, housework, garden, plants)		
Return to ADL (general)			
Impact on food preparation and feeding			
Housework (washing, cleaning, ironing, folding, vacuuming)			
Gardening (Includes indoor plants)			
Using a phone			
Maintaining personal hygiene			
Maintaining personal appearance (grooming hair)		Maintaining personal hygiene	
Dressing	Maintaining personal appearance		
Transport needs (e.g driving)	Dressing		
Impact on normal hobbies	Transport needs		
Time doing normal hobbies	Impact on recreational activities and sport		
Playing instrument in usual way			
Ability to play instrument			
Impact on time spent playing instrument			
Impact on time spent doing sport			
Impact on participation in sport			
Social activities with friends	Effect on relationship with	Social functioning	

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Social activities with neighbours	family, friends, neighbours and groups			
Social activities with family				
Social activities with groups				
Dependence on family and friends				
Appearance interferes with social activities				
Intimate relationships	Effect on intimate relationships	Emotional functioning		
Emotional impact on work	Emotional distress/mood			
Energy levels				
Emotional impact on ADL				
Happiness				
Impact on life enjoyment / satisfaction				
Emotional impact on relationships				
Anxiety				
Depression				
Acceptance/ Adjustment				Thoughts and beliefs (acceptance, coping)
Coping with trauma				
Confidence				Self esteem and confidence
Self esteem				
Body image				
Quality of life				Quality of Life
Rating of health	Perceived Health status	Health status	Health status	
General patient satisfaction	Patient satisfaction	Delivery of Care	Delivery of Care	
Satisfaction with appearance of arm				
Satisfaction with function				
Satisfaction with movement				
Satisfaction with strength				

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Satisfaction with pain			
Satisfaction with colour			
Satisfaction with shape			
Satisfaction with feeling			
Satisfaction with procedure			
Patient preference	Patient preference		
Quality of intervention	Accessibility, quality and adequacy of intervention		
Time to surgery	Time to surgery		
Operation time	Operation time	Resource Use	Resource Use
Motor morbidity	Donor site morbidity	Adverse Events	Adverse Events
Sensory morbidity			
Pain			
General complications	General complications		
Pneumothorax	Respiratory complications		
Respiratory function			
Respiratory symptoms			
Pneumonia			
Arterial thrombosis	Vascular complications		
Venous thrombosis			
Haematoma			
Venous spasm			
Iatrogenic vascular injury			
Vascularity of flap			
Swelling			
Fracture	Musculoskeletal complications		
Passive range of motion loss			
Co-contraction			
Bowstringing			
Failure of tendon attachment			
Joint Instability			
Scapula crepitus			

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Infection complications	Infection complications		
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Dodd, S. et al. A taxonomy has been developed for outcomes in medical research to help improve knowledge discovery. *Journal of clinical epidemiology*. 2018, 96: 84–92.