

HULC Studies

Study Title	Ethics	Recruited	Needed	Research lead(s) (Trainee)	Inclusion Criteria
<u>CIHR funded studies</u>					
A randomized controlled trial comparing combination therapy of acetaminophen plus ibuprofen versus oxycodone for the treatment of pain after distal radius (wrist) and metacarpal (hand) fracture.	F	1	250	Dr. MacDermid	<ol style="list-style-type: none"> 1. Age: over 18 years old 2. Undergoing non-operative management of a hand or wrist fracture 3. Fluent in English
Prediction of Chronic Pain After Upper Extremity Fracture or Arthroplasty	F	0	210	Dr. MacDermid	<ol style="list-style-type: none"> 1. Age: over 18 years old 2. Fluent in English DRF or require total arthroplasty.
Wrist and elbow outcomes measures database/DRF		509	unlimited	Dr. MacDermid	<ol style="list-style-type: none"> 1. Age: over 18 years old 2. Fluent in English 3. Wrist/elbow disorders
Qualitative Study on Gender and Post-operative pain management	P		40	Dr. MacDermid	<ol style="list-style-type: none"> 1. Age: over 18 years old 2. Fluent in English, Participants must be capable of engaging in the interview
Shoulder					
A prospective, single blinded, multi-center, randomized, controlled, pivotal study to assess the safety and effectiveness of the Inspace device for treatment of full thickness Massive Rotator Cuff Tears	F	7	15	Dr. Athwal	<ol style="list-style-type: none"> 1. Age: over 40 years old 2. Positive diagnostic imaging by MRI 3. Functional deltoid muscle and preserved passive range of motion

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					<ul style="list-style-type: none"> 4. VAS score of > 30 mm pain 5. Failed non-operative treatment 6. Fluent in English
Long-Term Follow-up of the Sidus Stem-Free Shoulder Arthroplasty System	F	0	23	Dr. Athwal	<ul style="list-style-type: none"> 1. Previously recruited in the Sidus study
Outcomes of shoulder arthroplasty using a Depuy total or hemi shoulder system	P	22	24	Dr. Drosdowech	<ul style="list-style-type: none"> 1. Age: over 18 years old 2. Fluent in English 3. Sustained shoulder (proximal humerus) fracture in past six to 18 months
Evaluate the effect of the laterjet procedure on the strength of supination of the forearm and internal rotation of the shoulder by comparing it to the contralateral shoulder.	P	14	80	Dr. Athwal	<ul style="list-style-type: none"> 1. All patient treated at the HULC with Laterjet procedure and with a minimum follow-up of 1 year
Assessment of Feasibility and Potential Barriers to Implementing Outpatient Shoulder Arthroplasty: A qualitative study	P	10	30	Dr. MacDermid	<ul style="list-style-type: none"> 1. Age: over 18 years old 2. Fluent in English 3. Healthcare provider or actual recipient of a shoulder joint replacement
Diagnostic Accuracy of Synovial Biopsy for Implant-Related Shoulder Infections	F	4	7	Dr. Drosdowech	<ul style="list-style-type: none"> 1. Previous TSA, or 2. Internal fixation for shoulder fractures 3. Suspicion of infection

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Saving the Shoulder Surgeon's Shoulder	F	0	30	Dr. Athwal	<ol style="list-style-type: none"> Age: over 18 years old Fluent in English, Require a shoulder surgery Be able to be operated on either surgical position.
Wear in reverse total shoulder replacement	F		20	Dr. Athwal	
Assessment of humeral anatomic parameters in Glenohumeral arthritis	R		275	Dr. Athwal	<ol style="list-style-type: none"> Undergone total shoulder arthroplasty for shoulder arthritis Have had preoperative Computed-Tomography (CT)
Investigation of Proximal Humerus Fractures	R		1100	Dr. Athwal	
Non-surgical management of olecranon fractures	P		50	Dr. Athwal	<ol style="list-style-type: none"> Diagnosis of olecranon fracture Treated non-surgically between 2006 and 2017
Imaging study of the true neck-shaft angle	R		100	Dr. Athwal	<ol style="list-style-type: none"> At least one x-ray with a true ap view of each case showing the humeral tray in one line without rotation Same uncemented stem with a fix inclination angle (145° in combination with the liner)

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Glenoid deficiencies in shoulder arthroplasty	F	0	25	Dr. Athwal/ Dr. Lapner	
CT models comparison of a distal clavicle autograft to a coracoid process for glenoid deficiency	R	85	100	Dr. Athwal	1. Age: over 19 years old 2. Patients undergone a preoperative CT scans
An anatomic study on the orientation, location and volume of posterior glenoid bone loss associated with osteoarthritis	R	30	100	Dr. Athwal	1. Age \geq 60 years 2. Diagnosed osteoarthritis
Kienbock's Disease: Natural History and Management Options	R	0	50	Dr. Grewal	112935
Evaluation of implant fixation in reverse total shoulder arthroplasty	F	41	41	Dr. Athwal	1. Patient with shoulder arthrothis requiring reverse shoulder arthroplasty.
Management of scaphoid non-union fractures	R		600	Dr. Grewal	
Cubital tunnel cost-analysis	R		100	Dr. Doherty	1. Review patient charts and hospital costs from 2014-2018.
Marijuana Use Patterns in Canadian Upper Extremity Patients at the Time of Legalization	P	600	600	Dr. Grewal	1. Age: over 19 years old
Affect of the Deltopectoral approach on cephalic vein patency and post-operative edema	P		80	Dr. Faber	

Hand, Wrist and Elbow

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Effectiveness of cortisone injection and splinting for trigger finger: a prospective randomized controlled trial.	F	90	135	Dr. Grewal	<ol style="list-style-type: none"> Age: over 18 years old Symptom duration of at least 3 months Diagnosis of trigger finger Green's Grade 1-3
Prospective Evaluation of Reverse End to Side Anterior Interosseous Nerve to Ulnar Nerve Transfer for Severe Compressive Ulnar Neuropathy at the Elbow	F	13	45	Dr. Ross/ Dr. Doherty	<ol style="list-style-type: none"> Age: over 18 years old Severe compressive ulnar nerve neuropathy (McGowan grade III)
Donor site deficits following Anterior Interosseous Nerve (AIN) to Ulnar Nerve transfer	R	30			
Long Term Outcomes of Scaphoid Fractures	F	46	100	Dr. Grewal	<ol style="list-style-type: none"> Age: 18 – 85 years old. Have had previous scaphoid fracture(up to 7 years ago)
Prediction of Chronic Pain After Upper Extremity Fracture or Arthroplasty	F	0	210	Dr. MacDermid	<ol style="list-style-type: none"> Age: over 18 years old Fluent in English DRF or require total arthroplasty.
Factors predicting poor functional outcomes/DRF		0	560	Dr. Grewal	<ol style="list-style-type: none"> Age: 50 - 80 years old. Diagnosed with a distal radius fracture from 2004 onwards
Wrist and elbow outcomes measures database/DRF		509	unlimited	Dr. MacDermid	<ol style="list-style-type: none"> Age: over 18 years old Fluent in English Wrist/elbow disorders
Prevention of Post-Traumatic Joint Contractures II (PERK II)	F	Pending approval		Dr. MacDermid/ Dr. Hilderbrant	<ol style="list-style-type: none"> Age: over 18 years old Wrist/elbow fracture Injury \leq 7 days Operative treatment of

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					the elbow fracture or dislocation 5. Negative urine pregnancy test.
Wrist and elbow outcomes measures database/RHAP	P	189	Unlimited	Dr. MacDermid	1. Age: over 18 years old 2. Fluent in English, 3. Require RHAP
Indomethacin prophylaxis for heterotopic ossification after surgical treatment of elbow trauma: A randomized prospective double-blinded study.	F	162	170	Dr. Athwal	1. Elbow trauma requiring operative management
Biceps & triceps	P	57	Unlimited	Dr. MacDermid/ Dr. Faber	1. Age: over 18 years old 2. biceps or triceps tear requiring surgery
One versus two-incision technique for the repair of distal biceps tendon ruptures. A follow up of the prospective randomized trial	F	14	92	Dr. Grewal/ Dr. Faber	1. Age: over 18 years old 2. Previously recruited in the Biceps study part 1
Wrist and elbow outcomes measures database/TEA	P	121	Unlimited	Dr. MacDermid	1. Age: over 18 years old 2. Fluent in English, Require TEA
Graduate Students					
Physiotherapy program for managing adhesive capsulitis in patients with diabetes: A pilot randomized trial (Graduate student)	P		40	Dr. MacDermid/Faber (Sanna Alsubeen)	
Functional Recovery following a PHF: A Mixed Methods Study (Graduate Student)	P	55	100	Dr. MacDermid (Azar)	1. Age \geq 45 years PHF who have been admitted for treatment
Hand therapists' perceptions regarding intimate partner violence	P		30	Dr. MacDermid	1. OTs and PTs who have worked in North

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in their practice: a qualitative study (graduate student)					America
Exploring attitude regarding screening for intimate partner violence (ipv) in hand therapy patients (graduate student)	P			Dr. MacDermid	1. Age: over 18 years old 2. Fluent in English Utilizing hand therapy services
<p>F: Full board P: Prospective R: Retrospective DRF: distal radial fracture RHAP: radius head total arthroplasty. TEA: total elbow arthroplasty. TSA: total shoulder arthroplasty PHF: proximal humerus fracture</p>					