Hand and Wrist Pathway (V9) - 21.07.2021

SELF-CARE AND SELF-MANAGEMENT

Integrated MSK Service Website: https://sussexmskpartnershipcentral.co.uk/

OUTCOME MEASURES

- MSK-HQ
- Patient-Rated Wrist and Hand Evaluation

Referral reason / Patient presentation	Thumb Base Osteoarthritis
	 OA at the base of the thumb metacarpal and one of the small bones of the wrist, the Trapezium. Symptoms can start in the forties or earlier they are more common in women and are initially intermittent. Present with difficulty opening jars and bottles and pain gripping and pinching
Primary Care Assessment and Diagnostics	History – mechanism of onset, location of pain, severity and longevity of symptoms, limitation to function. Examination of hand/ wrist: 1. Active ROM CMCJ & thumb opposition 2. Cried test
	2. Grind test Link to website for video of grind test: https://www.youtube.com/watch?v=1kJtO4NLzBY 3. Grip strength
	Investigations: X-ray not needed to confirm diagnosis but may be indicated if suspecting inflammatory arthropathy or if trauma to exclude bony injury
	Differential diagnosis: CMCJ vs De Quervain's (see section below for guidelines)
Management within primary care self-management guidelines	Self-management for 6 – 8 weeks Pain relief in line with agreed formularies/ guidance.
	Patient education exercise sheet particularly thumb stabilising exercises http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2018/02/Microsoft-Word-Arthiritis-at-the-base-of-the-thumb-FINAL.pdf
Threshold to initiate a referral	Activity modification—thumb splint if symptoms are moderate -severe. Do not use splint in early OA as risk weakening muscles http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2018/02/Microsoft-Word-The-Principles-of-Joint-Protection-2.pdf Direct patients to self-refer to SMSKP H&W pathway if:
Tillesiloid to lilitiate a leterial	 Diagnostically uncertain symptoms persist beyond 6/52 and interfere with ADL's Exceptionally severe.
	If patient does not want an injection for pain relief refer to physio/ CMC OA class

Management pathway for ICATS	Investigations: x-ray AP/ lateral of CMCJ +/- wrist – not needed for an injection but for differential diagnosis.
management pathway for ICATS	investigations. A-ray At / lateral of Civics +/- what - not needed for all injection but for differential diagrics.
	Shared decision making re treatment options:
	 Pain mx advice Splinting/joint protection advice
	Exercise advice
	Injection to joint
	Surgical pathway to be discussed. If patient needs, wants and is fit for surgery then offer choice of provider.
	Patients from East Grinstead can be referred to Hand Therapy at QVH
Management in secondary care or co-located clinic	Surgical Options to be decided by surgeon:
	1. Simple Trapeziectomy
	2.Trapeziectomy with LRTI 3.Trapeziectomy with Tendon Interposition
	4.Trapeziectomy with ligament reconstruction
	5.CMC Replacement
	http://sussexhandsurgery.co.uk/downloads/surgery/hand/Trapeziumectomy.pdf
	http://sussexhandsurgery.co.uk/downloads/surgery/hand/Thumb%20CMC%20Joint%20Replacement.pdf
	http://sussexhandsurgery.co.uk/downloads/surgery/hand/Thumb%20base%20Ligament%20Reconstruction.pdf
Referral reason /	Carnal Tunnol Syndromo (CTS)
Patient presentation	Carpal Tunnel Syndrome (CTS)
	Caused by compression of the median nerve in the carpal tunnel at the wrist.
	It is more common in females. Often worse at night and with gripping activities.
	Presentation can include:
	• pain in wrist, • altered sensation in the median perve distribution (thumb, index finger, middle finger, and redial half of the ring finger)
	 altered sensation in the median nerve distribution (thumb, index finger, middle finger, and radial half of the ring finger) weakness/muscle atrophy of the thenar eminence
	Trouble du ophy of the thendrolle

	Prognosis can vary. Even if untreated 34%-49% can significantly improve or resolve spontaneously.
Primary Care Assessment and Diagnostics	History – mechanism of onset, location of symptoms (median nerve distribution), severity and longevity of symptoms, limitation to function. Examination: 1. Light touch sensory testing tips of fingers 2. Modified Phalen's, Tinel's and Durkan's test can support the diagnosis Investigations: NCS are not indicated in primary care Differential diagnosis: Cervical spine/ radiculopathy (increase index of suspicion if bilateral).
Management within primary care self-management guidelines	Treatment of any underlying condition, e.g. diabetes, OA, RA hypothyroidism. Patient education, activity modification and exercise sheet http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2016/12/Median-Nerve-Gliding-Programme-Final-Version.pdf Night splinting of wrist in a neutral position. If work related suggest workplace adaptations, reduction of exposure to hand-transmitted vibration or temporary change of duties. Corticosteroid injection if available within practice and symptoms not resolving with the above conservative management. Do not prescribe NSAIDS or diuretics to treat CTS.
Threshold to initiate a referral	Direct patients to self-refer to SMSKP H&W pathway if: Diagnostically uncertain Symptoms persist beyond 6/52 and interfere with ADL's Exceptionally severe. If suspect a cervical source, particularly if bilateral symptoms – refer to physiotherapy through usual pathway.
Management pathway for ICATS	BOSTON questionnaire at point of triage: Mild or moderate score -CTS class/physio Moderate score with previous physiotherapy or for an injection - For shared decision making re treatment options: Conservative management including median nerve glides, activity modification, night splint, http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2016/12/Median-Nerve-Gliding-Programme-Final-Version.pdf injection (refer to injecting clinician in AP clinic) If more than 2 injections in one wrist, or severe symptoms i.e. thenar atrophy, constant sensory change then If meets Clinically effective commissioning (CEC) thresholds then surgical pathway to be discussed. If patient needs, wants and is fit for surgery then offer choice of provider. X-ray if advanced CMC/STT OA - may need to be managed as part of the carpal tunnel Severe score – If no previous conservative management refer to AP clinic/ if muscle wasting or constant sensory loss/ previous injections and if CEC compliant refer direct to secondary care or direct listing through co-located clinics

	CEC threshold		
	CTS CEC		
	NCS are only required for atypical symptoms, diagnostic confusion		
Management in secondary care or co-located clinic	Carpal Tunnel Decompression http://sussexhandsurgery.co.uk/downloads/surgery/hand/Carpal%20Tunnel%20Decompression.pdf		
	Horsham and Crawley refer to SASH and Gatwick Park		
	Brighton and Hove refer to SOTC		
	Mid - Sussex can refer to Montefiore and SOTC – counter signed by Chris Williams		
Referral reason /	Trigger finger / Thumb		
Patient presentation	A painful condition caused by thickening of the flexor tendon around the A1 pulley which causes abnormal gliding of the tendon within sheath. Presentation can include snagging or locking of the affected digit in flexion or occasionally extension.		
Primary Care Assessment and Diagnostics	History – mechanism of onset, location of pain, severity and longevity of symptoms, limitation to function.		
g	Examination: 1. Observe for visible triggering 2. Palpate for thickening, tenderness and palpable triggering		
	No investigations at this stage		
	Differential diagnosis: Dupuytren's disease vs RA synovitis		
Management within primary care self-management guidelines	Self-management and advice, patient information leaflet: http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Trigger%20finger%20or%20thumb.pdf		
Sen management galacimes			
	Use of a finger support for night time. Splint should stop movement at the MPJ but not at the PIPJ and DIPJ - for example https://www.amazon.co.uk/Trigger-Aluminium-Straightening-Stenosing-		
	Tenosynovitis/dp/B071JDVWCG/ref=sr_1_9_a_it?ie=UTF8&qid=1537355066&sr=8-9&keywords=trigger+finger+splint		
	Self massage nodule for up to 6 wks and monitor.		
	Corticosteroid injection if available within practice and symptoms not resolving with the above conservative management within 6 wks.		
	Urgent referral to secondary care for locked trigger finger		
Threshold to initiate a referral	Direct patients to self-refer to SMSKP H&W pathway if:		
	 Diagnostically uncertain Symptoms persist beyond 6/52 and interfere with ADL's Exceptionally severe. Significant hand co-morbidities 		

Management pathway for ICATS Investigations: usually none but ultrasound scan if diagnostically uncertain? **Shared decision making re treatment options:** Tendon gliding exercises http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2018/02/Microsoft-Word-Tendon-glides-FINAL-2.pdf Steroid injection Referral to secondary care if symptoms recurrent or failure to respond to 2 steroid injections or locked trigger finger and patient wants it and is fit for surgery then offer choice of provider. **CEC** threshold 180118 Trigger Finger CEC V2.docx Management in secondary care or **Trigger finger release** co-located clinic http://sussexhandsurgery.co.uk/downloads/surgery/hand/Trigger%20finger%20or%20thumb%20release.pdf Horsham and Crawley refer to SASH and Gatwick Park Brighton and Hove refer to SOTC Mid - Sussex can refer to Montefiore and SOTC - counter signed by Chris Williams Referral reason / **Dupytren's disease Patient presentation** A hereditary condition which causes thickening and shortening of the palmar fascia in the hand. Over the time, this can pull the finger towards the palm and extension of the finger is not possible. Usually but not exclusively affects ulnar sided fingers More common in men. In females it usually develops in late 60's-70's Presentation: May have pain in the initial stages can be confused with symptoms of triggering

• Skin puckering or nodules over the palm or the finger.

• Dupuytren's cords can develop running towards the proximal phalanx.

Primary Care Assessment and	History: Family history, severity and longevity of symptoms, limitation to function.
Diagnostics	Examination: 1. Check for nodules/ cord, 2. A Positive Huston Table top test or pen under MCPJ 3. Measure Angle of fixed flexion deformity
	No investigations required
Management within primary care self-management guidelines	Explanation of cause and natural history Self-management and advice, patient information leaflet: http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Dupuytrens%20disease.pdf
Threshold to initiate a referral	Direct patients to self-refer to SMSKP H&W pathway if: • Diagnostically uncertain • Patient meets the CEC threshold for surgery and wants surgery. Minimum degree of contracture >10° PIPJ and / or >30° MCPJ
Management pathway for ICATS	Virtual clinic for discussion re secondary care provider
Management in secondary care or co-located clinic	To be decided by the surgeon: Needle Fasciotomy to be carried out with MPJ flexion deformity. Fasciectomy to be considered with >30 of PIPJ flexion deformity
Referral reason / Patient presentation	De Quervain's tenosynovitis The tendons of extensor pollicis brevis and Abductor Pollicis Longus become painful, inflamed and/or constricted within their tendon sheath. Common with mothers who look after their new-born or toddler age babies Very common with Diabetics Presentation: Pain on moving or using the thumb Pain often radiates upwards into the forearm May have swelling or thickening over the radial side of the wrist May have pain at night
Primary Care Assessment and Diagnostics	History – mechanism of onset, location of symptoms, severity and longevity of symptoms, limitation to function. Examination: 1. Range of wrist movement and general hand function. 2. Palpate for pain and swelling over the distal radial styloid No investigations at this stage.
Management within primary care self-management guidelines	Self-management for 6 – 8 weeks Pain relief in line with agreed formularies/ guidance. Anti-inflammatories do not work.

Detient information and incomptain everying	
Patient information and isometric exercises	
	http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/de%20Quervain's%20Disease.pdf
	Activity modification /thumb splint/ taping. NB. Sometimes the pressure from splints can increase symptoms. Warn patients to stop splinting if symptoms are aggravated.
	Corticosteroid injection if available within practice and symptoms not resolving with the above conservative management within 6 wks.
Threshold to initiate a referral	Direct patients to self-refer to SMSKP H&W pathway if:
	Diagnostically uncertain
	Symptoms persist beyond 6/52 and interfere with ADL's
	Exceptionally severe.
Management pathway for ICATS	Investigations not indicated
	Refer to physio if first onset of symptoms
	If recurrent symptoms/ failed physio shared decision making re treatment options:
	Taping/splints
	Isometric exercises
	• Steroid injection
	Referral to secondary care if symptoms recurrent or failure to respond to 2 steroid injections and patient wants it and is fit for surgery then offer choice of
	provider.
Management in secondary care or	De Quervain's Release
co-located clinic	http://sussexhandsurgery.co.uk/downloads/surgery/hand/de%20Quervain's%20Release.pdf
	Horsham and Crawley refer to SASH and Gatwick Park
	Brighton and Hove refer to SOTC
	Mid - Sussex can refer to Montefiore and SOTC – counter signed by Chris Williams
Referral reason /	Ganglion
Patient presentation	
	A benign accumulation of synovial fluid within a sac with a narrow base which is connected to a joint or a tendon.
	Can develop in any joint but are very common in the wrist joint.
	Fluctuation in size is common
	Most disappear on their own accord but can last several years.
	Presentation:
	May or may not be painful on movement
	Restriction of range of movement can develop
Primary Care Assessment and	History – mechanism of onset, location of symptoms, severity and longevity of symptoms, limitation to function.
Diagnostics	
	Examination:
	Range of movement and general hand function.
	2. Palpate for pain
	No investigations required
	No investigations required
Management within primary care	Explanation of cause and natural history
self-management guidelines	Explanation of dado and natural motory
3011 management guidennes	Patient information sheet
	http://sussexhandsurgery.co.uk/downloads/what-we-treat/wrist/Wrist%20Ganglia.pdf
	Intip://ouoocknanuoungery.co.uk/uownioauo/wnat-we-treat/wno/vvnot/vvno/ozoGanglia.pui

	Investigations:
Primary Care Assessment and Diagnostics	History – mechanism of onset, location of symptoms, severity and longevity of symptoms, limitation to function Examination: Range of movement and general hand appearance and function. Look for deformity and loss of active range of movement Assess swelling
Referral reason / Patient presentation	http://www.bssh.ac.uk/patients/conditions/hand_injuries Sprains/strains of the fingers due to injury or overuse. Presentation: Pain on movement of the finger Tendon or ligament injuries may present with deformity May have swelling May develop stiffness due to immobilisation resulting from pain or swelling Acute traumatic tendon/ligament ruptures need urgent orthopaedic opinion – for referral to A&E within BSUH for appointment with hand surgeon http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Mallet%20finger.pdf http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Tendon%20injuries.pdf
Management in secondary care or co-located clinic	Surgical excision Wrist - http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Wrist%20Ganglia%20Excision.pdf Fingers - http://sussexhandsurgery.co.uk/downloads/surgery/hand/Mucous%20Cyst%20Excision.pdf http://sussexhandsurgery.co.uk/downloads/surgery/hand/Seed%20Ganglion%20Excision.pdf Horsham and Crawley refer to SASH and Gatwick Park Brighton and Hove refer to SOTC Mid - Sussex can refer to Montefiore and SOTC – counter signed by Chris Williams
Threshold to initiate a referral Management pathway for ICATS	If pain free and not affecting range of movement and function then advise that these are best left without any intervention. Aspiration only of dorsal wrist ganglia, but advise patient that 70% of wrist ganglia will recur within a week. Patient to self-monitor Consider referral to secondary care if: Symptomatic - severe pain Interfering with activities and If patients wants and is fit for surgery - include CEC guidance then offer choice of provider CEC for ganglia Williams and wrist). doc Not seen in ICATs service

	If history of trauma may need x-ray to rule out bony injury
	If flistory of traditia may fleed x-ray to rule out borry injury
Management within primary care self-management guidelines	Self-management for 6 – 8 weeks
gamena	Pain relief in line with agreed formularies/ guidance.
	Patient education /exercise sheet and swelling management http://sussexhandsurgery.co.uk/downloads/rehabilitation/hand/Finger%20Exercises.pdf
	https://www.nhs.uk/conditions/hand-pain/
Threshold to initiate a referral	Direct patients to self-refer to physiotherapy for simple finger pain – no trauma
	Direct patients to self-refer to SMSKP H&W pathway if: • Diagnostically uncertain (virtual clinic)
	Tendon rupture (not acute)
	Symptoms persist beyond 6/52 and interfere with ADL's
	Exceptionally severe.
Management pathway for ICATS	Investigations: US/X-Ray of the involved finger may be needed for differential diagnosis.
	Shared decision making re treatment options:
	If soft tissue trauma swelling management and exercises
	Physiotherapy/hand therapy (Patients from East Grinstead can be referred to Hand Therapy at QVH)
	Patients needing hand therapy /bespoke splinting Horsham and Crawley refer to orthopaedics
	Referral to secondary care if indicated (e.g. tendon repair) and patient wants it and is fit for surgery. Offer choice of provider.
Management in secondary care or	Surgical Options to be decided by surgeon:
co-located clinic	http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Mallet%20finger.pdf http://sussexhandsurgery.co.uk/downloads/what-we-treat/hand/Tendon%20injuries.pdf
	Intip://sussexhandsdrigery.co.div.downloads/what-we-treat/hand/Tendon/020mjdnes.pdr
Referral reason / Wrist Pain	
Patient presentation	
	Commonly caused by Osteoarthritis but it can also develop as a result of trauma/ injury or due to inflammatory arthropathy.
Primary Care Assessment and Diagnostics	Assessment: History – mechanism of onset, location of symptoms, limitation to function/ co-morbidities
	Post trauma – needs urgent x-ray and assessment within 6 weeks – window for repair of scapholunate injury is 6/52
	Examination:
	1. Range of movement and general hand appearance and function.
	2. Look for signs of synovitis/heat/
	stiffness – red flags for rheumatology referral
	Investigations:
	X-ray to exclude bony abnormality. If trauma (PA and True lateral views). If there is suspicion of a scaphoid fracture, then request scaphoid views Bloods to exclude inflammatory arthritis
	Differential diagnosis:
	1. OA of the wrist
	2. Soft tissue injury
	3. Inflammatory Arthropathy

Management within primary care self-management guidelines	Pain relief in line with agreed formularies/ guidance.
	Wrist Trauma – x-ray and urgent assessment in AP clinic to exclude scapholunate injury.
	Patient advice information leaflet on exercises
	http://sussexhandsurgery.co.uk/downloads/rehabilitation/wrist/Wrist%20Exercises.pdf
	Consider recommending a splint for painful activities.
	Onward referral if symptoms persist beyond 6 weeks
Threshold to initiate a referral	Direct patients to self-refer to physiotherapy for simple wrist pain – no trauma
	Direct patients to self-refer to SMSKP H&W pathway if:
	Diagnostically uncertain (virtual clinic)
	Symptoms persist beyond 6/52 and interfere with ADL's
	Exceptionally severe.
Management pathway for ICATS	Investigations:
	X-ray to exclude bony abnormality
	Ultrasound if suspecting inflammatory arthropathy or symptoms of ganglions
	If inflammatory arthritis is suspected then blood tests. If positive refer to rheumatology.
	If suspecting a ligamentous injury then MRI arthrogram or T3 MRI is essential. Refer to secondary care
	If a diagnosis of instability is made and surgery is required, discuss the risk and benefits of surgery then refer to secondary care
	Atraumatic wrist pain:
	Link to leaflet on activity modification and pain mx
	https://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2018/08/Wrist-Sprain-Advice-and-Exercises-1.pdf
	Refer to hand therapy- if patient lives in the Mid-Sussex area.
	Elsewhere patient needs to be refer red to secondary care.
	Horsham – hand therapy - via secondary care
	Or physio if appropriate
	Refer to Secondary Care for surgical intervention/ management or further investigation if indicated
Management in secondary care or co-located clinic	Surgical Options to be decided by surgeon:
	Suspected TFCC injury
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/TFCC%20Repair.pdf
	Scaphoid lunate ligamentous injury
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Scapholunate%20Repair%20or%20Reconstruction.pdf
	STT Arthritis http://sussexhandsurgery.co.uk/downloads/surgery/wrist/STT%20Arthritis%20Surgery.pdf
	Severe OA of the Wrist
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Proximal%20Row%20Carpectomy.pdf
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Partial%20Wrist%20Fusions.pdf
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Total%20Wrist%20Fusion.pdf http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Wrist%20Replacement.pdf
	IIII.//Sussexilanusurgery.co.uk/uowinoaus/surgery/wns//wrist7o20Kepiacement.pui

	OA ulnar side of the wrist:
	http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Ulnar%20Head%20Replacement.pdf
	Severe synovitis http://sussexhandsurgery.co.uk/downloads/surgery/wrist/Tenosynovectomy.pdf
	nttp://sussexhandsurgery.co.ur/downloads/surgery/whst/Teriosynovectorny.pdr
	Horsham and Crawley refer to SASH and Gatwick Park
	Brighton and Hove refer to SOTC
	Mid - Sussex can refer to Montefiore and SOTC – counter signed by Chris Williams
Referral reason /	Lumps and Bumps
Patient presentation	
Primary Care Assessment and	Not seen within the MSK service – direct to secondary care for further investigation or surgical intervention e.g. mucous cysts / seed ganglion / giant cell tumour /
Diagnostics	neurofibroma / mass malignancy / skin lesions
No.	
Management within primary care self-management guidelines	
Sen-management guidennes	
Threshold to initiate a referral	
Management pathway for ICATS	
Management in secondary care or co-located clinic	
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Referral reason / Patient presentation	Elbow pain – Non-traumatic Ulnar Neuropathy
Primary Care Management (including Assessment and Diagnostics)	Assessment: history - mechanism of onset, location of symptoms. Neural symptoms in ulnar distribution. Elbow examination - often positive tinels sign over cubital tunnel. No diagnostic at this stage.
	Management (including condition-specific self-care options): Patient education Avoid sustained elbow flexion especially at night. Avoid local elbow pressure. Refer to physio for mild sensory symptoms that persist despite following leaflet advice. Hyperlink leaflet http://sussexmskpartnershipcentral.co.uk/wp-content/uploads/2016/09/Elbow_Ulnar_Neuropathy.pdf

Thresholds for Primary Care to initiate a referral	Progression of intrusive symptoms - refer iCATS Fixed sensory loss – loss of two point discrimination at 3mm Hypothenar muscle wasting and weakness. Clawing of ring and little finger
Management Pathway for the Integrated MSK Service Outcome tools: MSK HQ, Oxford Shoulder score	Consider investigations with NCS. Consider XR to exclude Elbow bony pathology. Consider excluding C8 nerve root, MRI for clinical correlation.
Management within co-located clinic (seen by an AP with a consultant present) or secondary care	Urgent referral to secondary care for presentation of severe nerve compromise e.g. clawing of the little and ring finger.
Thresholds for referral to Specialist In-patient care (Choice)	Risk / benefit information Cubital Tunnel Decompression Cubital Tunnel Decompression.docx
Management pathway for Specialist In-patient care	Secondary care surgical guidelines Cubital Tunnel Decompression SE Pathway Guidelines Secondary

Hand and Wrist group 19th December 2013

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Hand and Wrist group 17th July 2014

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