The authors and reviewers have made every attempt to ensure the information in the Family Medicine Clinical Cards is correct - it is possible that errors may exist. Accordingly, the source references or other authorities should be consulted to aid in determining the assessment and management plan of patients. The Cards are not meant to replace customized patient assessment nor clinical judgment. They are meant to highlight key considerations in particular clinical scenarios, largely informed by relevant guidelines in effect at the time of publication. The authors cannot assume any liability for patient outcomes when these cards are used.

Canadian Family Medicine Clinical Card w

A22 2014 www.learnfm.ca

Kendal JK Keegan DA

Joint Pain 1: Arthritis

Red Flag: Acute Red Joint - R/O Septic Arthritis					
Risk Factors	Presentation	Investigations			
Prosthesis, skin infxn, RA,	Painful joint with	Clinical suspicion → joint			
age >80, DM, recent joint	erythema, swelling,	aspiration: WBC + diff, gram			
surgery or injection, IVDU	warmth, ↓ROM, ± fever	stain & culture, blood cultures			
R/O gonococcal infxn - 😲 > 🗗 , recent menses, age <40, ± tenosynovitis & dermatitis					
Description of Inflammation Authorities Connect Class C. Connections					

Degenerative vs. Inflammatory Arthritis: General Signs & Symptoms					
Degenerative	Inflammatory				
Pain is relieved by rest	Pain at rest, relieved by motion				
<½ hr AM stiffness	☐ >1 hr AM stiffness				
Localized, slow onset, progressive p	pain 🗖 warmth, swelling, extra-articular signs				
Osteoarthritis					
OA Cluse V you feetuwee	A CA				

Osteoarthritis				
OA Clues	X-ray features of OA			
↑age, obesity (knee	1. Subchondral cysts			
OA), joint damage,	2. Joint space narrowing			
progressive asymmetric	3. Osteophytes			
pain ± bony deformities	4. Subchondral sclerosis —			
Management Principles				
Non-pharmacological: Patient education, weight loss, regular low-impact exercise				

Non-pharmacological: Patient education, weight loss, regular low-impact exercise, PT (e.g. flexibility & strength, TENS) & OT (e.g. walking aids).

Medical: Analgesics/NSAIDs (oral &/or topical), corticosteroid injection, topical capsaicin, hyaluronic acid knee injection (controversial); No high quality studies for glucosamine or chondroitin supplements. If refractory: surgical assessment.

	_	sease	Diagnostic Clues	Investigations & MGMT
Inflammatory Arthropathies	tive	Rheumatoid Arthritis	Symmetric, >3 joints & in hands, >6 weeks. Rheumatoid nodules (e.g. over extensor surfaces), ±1RF & x-ray changes. ②>⑤ age -40-50's.	If suspicion: ESR±CRP, RF, anti-CCP & radiographs. Early intervention with DMARDs*!
	Seroposi	Lupus (SLE)	Multi-organ involvement, diverse presentation, 영>중1. Symmetrical, small & large joints. FHx.	ANA (Anti-nuclear antibody) (if -ve virtually R/O SLE), NSAIDs/analgesics for pain
	gative	Reactive Arthritis	Asymmetric 1-4 joints, lower extremity. Usually GI or GU infection 1-4 weeks before joint pain.	NSAIDs & treat infxn. If resistant: steroids (oral & injection) → DMARDs*.
	eronega	Psoriatic Arthritis	FHx &/or presence of psoriasis, DIP involvement, enthesitis, bursitis, nail changes. Asymmetric, 1-4 joints.	Most cases controlled with NSAIDs. May require DMARDs or biologics.
	Š	Anklylosing spondylitis	Low back pain & ↓ ROM, ♂>ੵ, asymmetric, enthesitis, younger age	See low back pain card
	ld	ivenile iopathic thritis	<16 years old, ≥1 joint, ≥6 weeks, other causes excluded (e.g. sepsis). Minimal systemic complaints. ♀>♂.	Many subtypes. Exercise, multi-discipl. team, NSAIDs, steroid inject. = 1st line.
stal		out	1st MTP, ankle, knee, & & post- meno &. Risks: Diuretic use, renal disease, EtOH. May mimic cellulitis.	Joint aspiration, NSAIDs, intra-articular steroids. ±Colchicine in acute gout.
Ş	Ps	seudogout	Age >60, knee joint most frequent, may resemble gout	Lifestyle Δ & \pm allopurinol in chronic gout.
			ing Anti-Rheumatic Drugs (e.g. hydroxy	

Key Roferences. Aletaha D, et al. 2010 Rheumatoid arthrits classification criteria. an American Gollege of Rheumatology L'uropean League Against Rheumation Collaborative Institute. Arthrist Rehmu. 2010;42(19):259-81. Cibera J. Memanatology a. Auste monoanthrits. CMA. 2000;162(11):1577-83. Hochberg MC, et al. American College of Rheumatology 2012 recommendations for the use of nonpharmacologic and pharmacologic therapies in otocearthrits of the land, hip and knee. Arthrits Care Res. 2012;44(4):465-74. Kindhoff A. Rheumatology, 2. Diagnosis and management of Inflammatory polystrivits. CMAJ. 2000;162(13):1833-8. Ausgaretten MC, et al. Does this adult patient have specificative and and 2007;27(13):1478-88. Shoplanis K. Rheumatology, 2. What alboratory tosts are needed CAAI 2000;162(13):1874-88.