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.

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Red Flag: Acute Red Joint - R/O Septic Arthritis

Risk Factors

Prosthesis, skin infxn, RA, age >80, DM, recent joint surgery or injection, IVDU

R/O gonococcal infxn - \$>σ, recent menses, age <40, ± tenosynovitis & dermatitis

Degenerative vs. Inflammatory Arthritis: General Signs & Symptoms

Degenerative

	☐ Pain is relieved by rest☐ <½hr AM stiffness		☐ Pain at rest, relieved by motion ☐ >1h AM stiffness
	☐ Localized, slow onset, progressive pain		■ warmth, swelling, extra-articular signs
	Osteoarthritis		
I	OA Clues	X-ray features of 0	OA COMPANY OF THE PROPERTY OF
ı	↑age, obesity (knee	1. Subchondral cy:	sts
ı	OA), joint damage,	2. Joint space nar	rowing
progressive asymmetric 3. Osteophytes			
ı	pain ± bony deformities	4. Subchondral scl	erosis —

Inflammatory

Management Principles

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.

	Di	isease	Diagnostic Clues	Investigations & MGMT	
v	eropositive	Rheumatoid Arthritis	Symmetric, >3 joints & in hands, >6 weeks. Rheumatoid nodules (e.g. over extensor surfaces), ±↑RF & x-ray changes. ♀>♂ age ~40-50's.	If suspicion: ESR±CRP, RF, anti-CCP & radiographs. Early intervention with DMARDs*!	
Arthropathies	Serop	Lupus (SLE)	Multi-organ involvement, diverse presentation, ♀>♂. Symmetrical, small & large joints. FHx.	ANA (Anti-nuclear antibody) (if -ve virtually R/O SLE), NSAIDs/analgesics for pain	
		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*.	
Inflammatory	eronega	Arthritis 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.	
Infl	S	Anklylosing spondylitis	Low back pain &↓ ROM, ♂>♀, asymmetric, enthesitis, younger age	See low back pain card	
	ld	uvenile liopathic rthritis	<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	G	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.	
Š		seudogout	Age >60, knee joint most frequent, may resemble gout	Lifestyle Δ & ± allopurinol in chronic gout.	
	*Disease Modifying Anti-Rheumatic Drugs (e.g. hydroxychloriquine, methotrexate				

Key Pedrenness. Alexhalb. et al. 2010 Rheumatoid arthritis classification criteria; an American College of Phoumatology/European Lague 2009, 26(7):178-783.

Rheumatis modissionative initiative. Arthritis Rheum. 2010. 26(7):259:0. Close 1-, Blommatology / A Lough Momorarthritis. CAM 2011. 27(7):177-783.

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