### PRACTICE TOOL

# Identifying RA in patients presenting with painful swollen joints in primary care



#### Clinical judgement should ultimately guide the decision to refer to/consult with rheumatology, however:

The following **scoring criteria** can be used as a guide for patients who present with one or more swollen joints, and other arthritic diagnoses do not convincingly account for the synovitis (see later for information on differential diagnoses)



A score ≥6 indicates a patient likely has rheumatoid arthritis and should be referred to or discussed with a rheumatologist



**X-rays** are often recommended as part of the diagnostic work-up, and are important to assess damage and progression, but are not required to make a diagnosis in early-stage RA

Domain	Criteria	Score
Α	Joint involvement (any swollen or tender joint; 0–5 points)	
	1 large joint	0
	2-10 large joints (no small joints)	1
	1-3 small joints (large joints not counted)	2
	4–10 small joints (large joints not counted)	3
	>10 total joints <b>including</b> at least one small joint	5
В	Serology (0-3 points)*	
	Negative RF <b>and</b> negative anti-CCP	0
	Low positive RF or low positive anti-CCP	2
	High positive RF <b>or</b> high positive anti-CCP	3
С	Inflammatory markers (0-1 points)†	
	Normal CRP and normal ESR	0
	Abnormal CRP <b>or</b> abnormal ESR	1
D	Duration of symptoms (0–1 points)	
	<6 weeks	0
	≥6 weeks	1
	Total (0-10)	

<sup>\*</sup> Negative (-) means less than or equal to the upper limit of normal (ULN); low positive (+) means >ULN; high positive (++) means >3x ULN; † Normal/abnormal are determined by local laboratory standards



**Small joints:** MCP joints, PIP joints, second to fifth MTP joints, thumb IP joints and wrists



**Large joints:** Shoulders, elbows, hips, knees and ankles



DIP joints, first CMC joints and first MTP joints are excluded from assessment

CMC - carpometacarpal; DIP - distal interphalangeal; PIP - proximal interphalangeal; IP - interphalangeal; MTP - metatarsophalangeal.



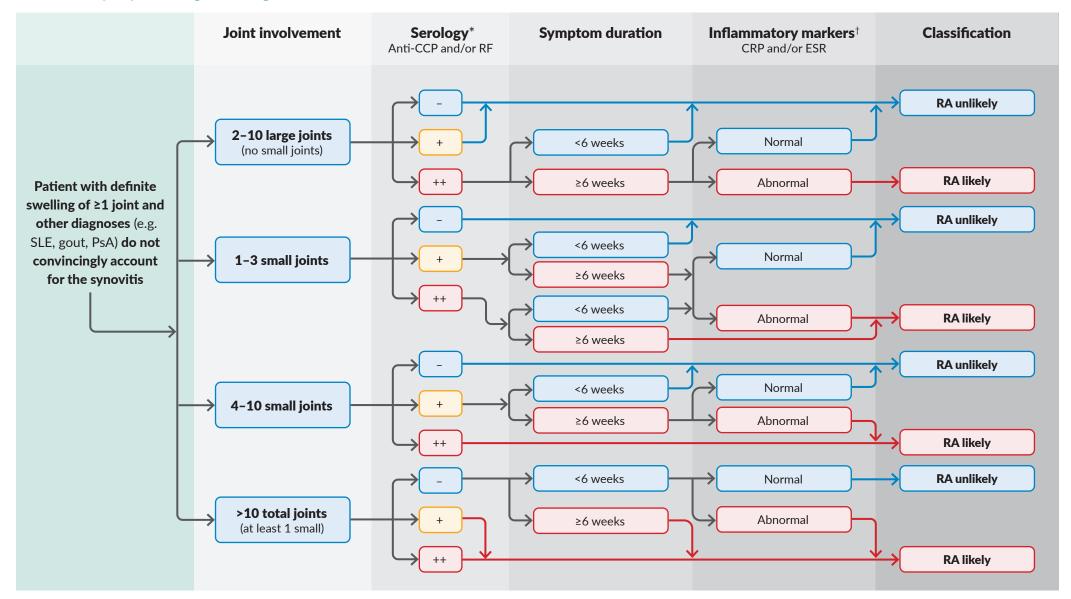
**Anti-CCP** should ideally be requested with RF; it has a similar sensitivity for RA but a higher specificity; both are best

Other tests to request: FBC, creatinine, LFTs, ANA, urinalysis



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#### Alternatively, try this diagnostic algorithm

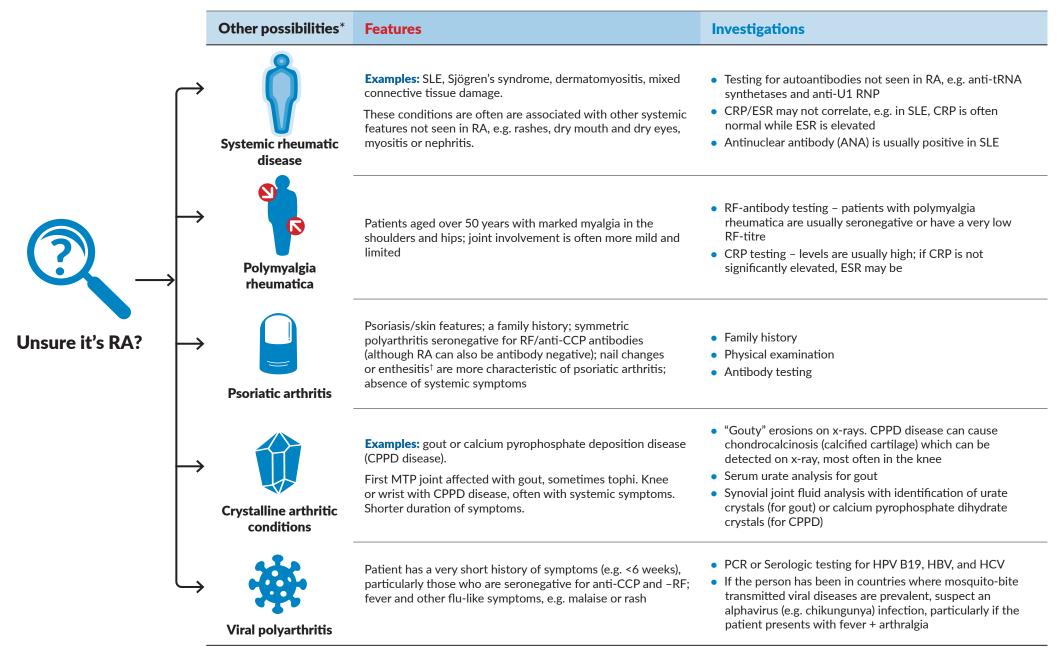


<sup>\*</sup> Serology includes anti-CCP antibody and RF measurements. Negative (-) means both are less than or equal to the upper limit of normal (ULN); low positive (+) means at least one is >ULN; high positive (++) means at least one is >3x ULN; † Inflammatory markers include CRP levels and ESR. Normal/abnormal are determined by local laboratory standards. **Abbreviations**: PsA, psoriatic arthritis; SLE, systemic lupus erythematosus. **References**: Aletaha D, Neogi T, Silman AJ et al. Arthritis Rheum. 2010;62:2569–81; Aletaha D, Smolen JS. JAMA. 2018;320:1360–72.



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## Other forms of inflammatory polyarthritis can be confused for RA



<sup>\*</sup> This is not an exhaustive list of alternative inflammatory polyarthritic conditions and there is no particular order; † Inflammation of the entheses, the site where tendons or ligaments insert into bone.

