When CRP is high, do you consider AS?

AS=ankylosing spondylitis; CRP=C-reactive protein.

Elevated CRP can be the key to an AS diagnosis

Correlates with markers of AS



Helps predict disease progression

Elevated CRP at baseline was the strongest predictor of

radiographic sacroiliitis progression (1 grade over 2 years) in early AS and nr-AxSpA⁴

Other predictors of progression in AS include male gender, cigarette smoking, and syndesmophytes at baseline⁵

AS=ankylosing spondylitis; ASAS=Assessment of SpondyloArthritis international Study; AxSpA=axial spondyloarthritis; BASDAI=Bath Ankylosing Spondylitis Disease Activity Index; BASFI=Bath Ankylosing Spondylitis Functional Index; CRP=C-reactive protein; mNY=modified New York criteria; MRI=magnetic resonance imaging; nr-AxSpA=nonradiographic axial spondyloarthritis; SpA=spondyloarthritis.

Helps predict AS in some patient types

Chronic back pain

- PROSpA⁶ compared expert diagnosis by rheumatologists with diagnostic criteria (ASAS and mNY) in 751 chronic back pain patients, classifying them as having:
 - AS (fulfilled both ASAS and mNY criteria)
 - nr-AxSpA (fulfilled ASAS but not mNY criteria)
 - Non-AxSpA
- Nearly half of patients with an AS diagnosis had elevated CRP⁶

Fibromyalgia

- 99 patients with fibromyalgia were evaluated for underlying AxSpA⁷
- Nearly 1/3 had elevated CRP levels, and they were 5 times more likely to eventually be diagnosed with AxSpA⁷

Elevated CRP can mean:

- AS disease is active¹⁻³
- Current or future radiographic progression is likely⁴

Include AS in your CRP differential

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