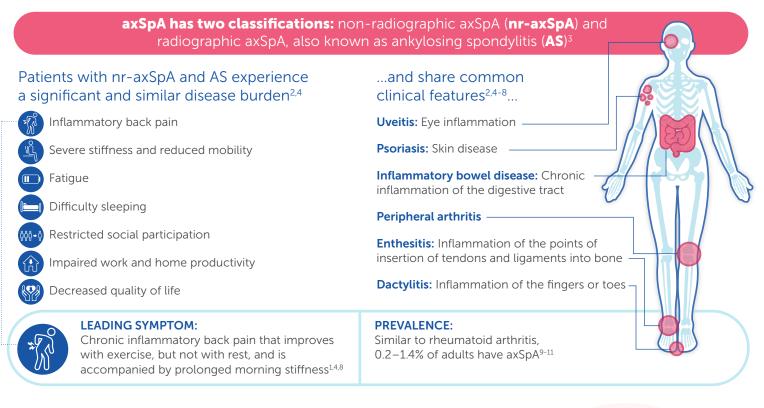
# Axial Spondyloarthritis in Women\*

axSpA is a painful chronic inflammatory disease that primarily affects the spine and sacroiliac joints (SIJs)<sup>1,2</sup>



## Why has AS historically been viewed as a male disease?<sup>12</sup>



Overall, women may have less structural damage in both the SIJs and the spine, making AS more prominent in men.<sup>12-14</sup>

nr-axSpA is more prevalent

Despite differences in sacroiliac or spinal radiographic progression...

The burden of nr-axSpA and AS on patients is similar<sup>12</sup>

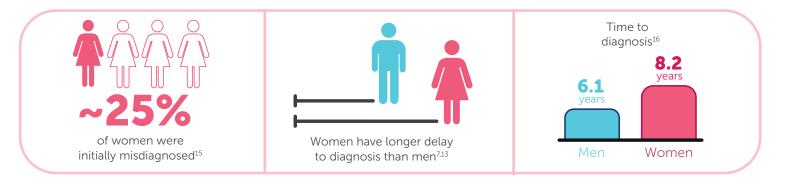
Women may have a greater disease burden than men, regardless of classification<sup>12</sup>

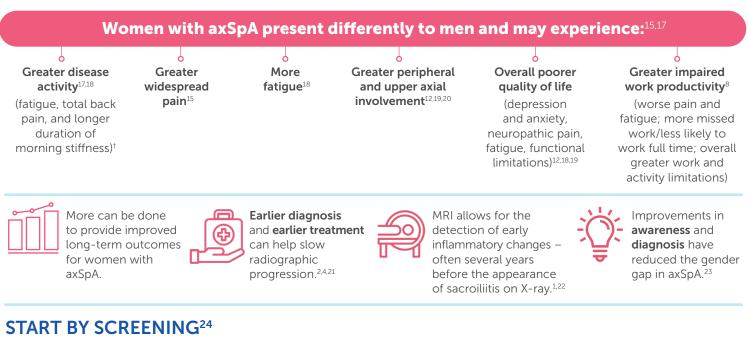
Radiographic sacroiliitis may take years to develop or may never develop in women...

• Diagnosis of axSpA in women is frequently delayed or never made<sup>12</sup>

But...

in women.<sup>12-14</sup>





#### Ask your patient:

- O Do they have chronic back pain that has lasted 3 or more months?
- O Did the pain start before they were 45 years of age?

### AND

#### Does your patient present with one or more of the following?

- ◯ Inflammatory back pain (including morning stiffness that lasts longer than 30 minutes<sup>4</sup>)<sup>‡</sup>
- Human leucocyte antigen-B27 positivity
- Sacroiliitis on imaging, if available (on X-rays or MRI)<sup>§</sup>
- OPeripheral manifestations (in particular arthritis, enthesitis and/or dactylitis)
- EAMs (psoriasis, inflammatory bowel disease and/or uveitis)<sup>¶</sup>
- Positive family history for SpA<sup>¶</sup>
- ◯ Good response to NSAIDs<sup>¶</sup>
- Elevated acute phase reactants<sup>#</sup>



If your patient has had chronic back pain that has lasted 3 or more months that started before the age of 45 **AND** they have at least one of these features, consider referring them to a rheumatologist.

Abbreviations: AS=ankylosing spondylitis; axSpA=axial spondyloarthritis; EAM=extra-articular manifestation; MRI=magnetic resonance imaging; nr-axSpA=non-radiographic axSpA; NSAIDs=non-steroidal anti-inflammatory drugs; SIJs=sacroiliac joints.

- \* For the purposes of this tool, "women" refers to people of the female sex.
- $\dagger$  As measured by BASDAI (Bath Ankylosing Spondylitis Disease Activity Index).  $^{17}$
- $\pm$  Any set of criteria, preferably ASAS definition of inflammatory back pain: at least four out of five parameters present: (1) age at onset  $\leq$ 40 years; (2) insidious onset; (3) improvement with exercise; (4) no improvement with rest; and (5) pain at night (with improvement upon getting up).<sup>24</sup>
- I Only if imaging available, not recommended as a routine screening parameter.<sup>24</sup>
  I According to the definition applied in the classification criteria for axial spondyloarthritis:<sup>24</sup>
- Arthritis: past or present active synovitis diagnosed by a physician.
- Enthesitis (heel): past or present spontaneous pain or tenderness at examination of the site of the insertion of the Achilles tendon or plantar fascia at the calcaneus. Dactylitis: past or present dactylitis, diagnosed by a physician.
- Extra-articular manifestation: past or present psoriasis, inflammatory bowel disease and/or uveitis anterior, confirmed by a physician.
- Good response NSAIDs: 24-48 h after a full dose of a NSAID the back pain is not present any more or is much better.
- Family history of SpA: presence in first-degree (mother, father, sisters, brothers, children) or second-degree (maternal and paternal grandparents, aunts, uncles,
- nieces and nephews) relatives of any of the following: (1) ankylosing spondylitis; (2) psoriasis; (3) acute uveitis; (4) reactive arthritis; and (5) inflammatory bowel disease.
- # C-reactive protein serum concentration or erythrocyte sedimentation rate above upper normal limit after exclusion of other causes for elevation.<sup>24</sup>

References: 1. Sieper J and van der Heijde D. Arthritis Rheum 2013;65(3):543–51. 2. Deodhar A, et al. Arthritis Rheumatol 2016;68(7):1669–76. 3. Deodhar A, et al. Ann Rheum Dis 2016;75(5):791–94. 4. Strand V and Singh J. Mayo Clin Proc 2017;92(4):555–64. 5. Sieper J, et al. Nat Rev Dis Prim 2015;9(1):15013. 6. Wallman J, et al. Arthritis Res Ther 2015;17:378. 7. de Winter J, et al. Arthritis Res Ther 2015;18:196. 8. Mease PJ, et al. J Rheumatol 2021;48:1528–36. 9. Reveille J, et al. Arthritis Care Res 2012;64(6):905–10. 10. Hamilton L, et al. BMC Musculoskelet Disord 2015;21(16):392. 11. Spector T. Rheum Dis 2016;76(5):731-37. 12. Wright GC, et al. Semin Arthritis Rheu 2020;50:687–94. 13. Barallakos X and Braun J. RMD Open 2015;1:e000055. 144. Boonen A, et al. Semin Arthritis Rheum 2015;44(5):555–62. 15. Slobodin G, et al. Clin Rheumatol 2011;30(8):1055–80. 15. Slobodin G, et al. Arthritis Reserch & Therapy 2020;22:23: 23. 11. Haroon N, et al. Arthritis Reserch & Therapy 2020;22:23: 23. 11. Haroon N, et al. Arthritis Reserch & Slobodin G, et al. Ann Rheum Dis 2009;68(6):777–83. 23. Mease P and Khan M.





UCB and the UCB logo are registered trademarks of the UCB Group of companies. © 2022 UCB Canada Inc. All rights reserved. CRA-22-049E



For additional support & information, visit www.spondylitis.ca

