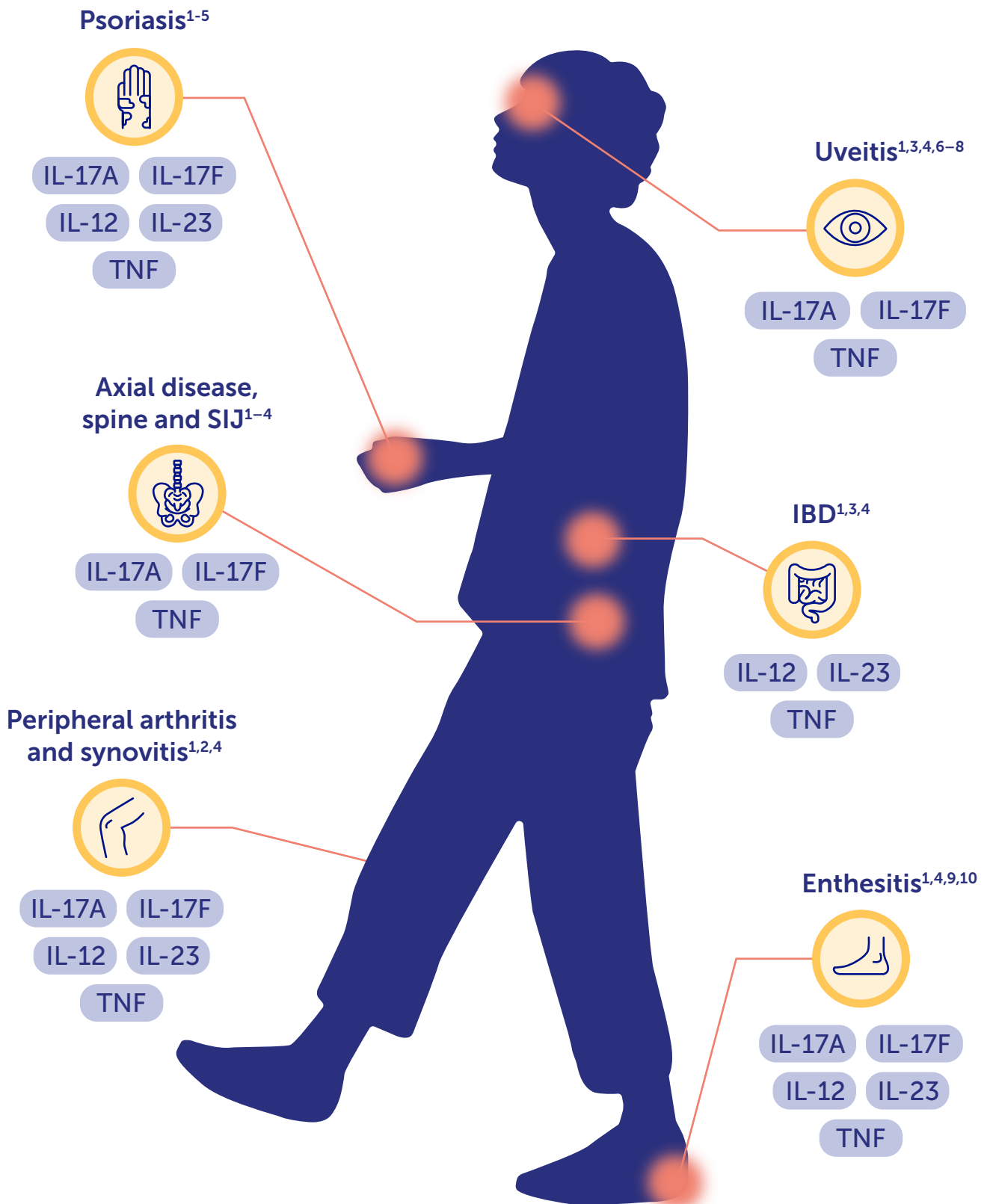


# Several extracellular cytokines are implicated in the different PsA and axSpA disease manifestations

The relative impact of different extracellular cytokines in PsA and axSpA is complex, however IL-17A and IL-17F, IL-12, IL-23 and TNF all contribute to disease pathobiology.<sup>1,2</sup>



Abbreviations **axSpA**: axial spondyloarthritis; **IBD**: inflammatory bowel disease; **IL**: interleukin; **PsA**: psoriatic arthritis; **SIJ**: sacroiliac joint; **TNF**: tumour necrosis factor.

References **1** Adapted from McGonagle D et al. *Front Immunol.* 2021;12:614255. **2** Adapted from Yeremenko N. *Curr Opin Rheumatol.* 2021;33(4):333–340. **3** Ramiro S et al. *Ann Rheum Dis.* 2023;82(1):19–34. **4** Coates LC et al. *Nat Rev Rheumatol.* 2022;18(8):465–479. **5** Kolbinger F et al. *J Allergy Clin Immunol.* 2017;139(3):923–932.e8. **6** Huang JC et al. *Ocul Immunol Inflamm.* 2021;29(3):558–565. **7** Lin P et al. *Ophthalmology.* 2014;121(1):365–376. **8** Weinstein JE, Pepple KL. *Curr Opin Ophthalmol.* 2018;29(3):267–274. **9** Mandour M et al. *Front Immunol.* 2021;12:618581. **10** McDermott NL et al. *Clin Exp Rheumatol.* 2022;41–42. Presentation P34. doi: 10.55563/clinexprheumatol/4spc2y.