The Ankylosing Spondylitis Disease Activity Score (ASDAS) is a tool for assessment of the activity of Ankylosing Spondylitis and Non-radiographic Axial Spondylarthritis. Currently, it is regarded as the most objective parameter in assessment of both the disease activity and the response to treatment.

The components of the Ankylosing Spondylitis Disease Activity Score (ASDAS):

Question (Q)	Questions about symptoms in the last week No.	Severity of symptoms on a 0–10 scale
1	Duration of morning stiffness? (BASDAI Question 2)	
2	How would you describe the overall level of neck, back, or hip pain? (back pain)	
3	How would you describe the overall level of pain and/or swelling in other joints? (peripheral pain)	
4	How would you score the overall disease activity? (PGA)	
Laboratory results		
5	CRP [mg/l or mg/dl] Note: CRP value < 2 mg/l (0.2 mg/dl) is not allowed, below this limit of detection a 2 mg/l (0.2 mg/dl) should be entered. or ESR [mm/h]	

CRP – C-reactive protein, ESR – erythrocyte sedimentation rate, PGA – Patient's Global Assessment.

ASDAS-CRP = 0.12 × Back Pain + 0.06 × Duration of Morning Stiffness + 0.11 × Patient Global + 0.07 × Peripheral Pain/Swelling + 0.58 × Ln (CRP + 1). ASDAS Online Calculators are also available.

The following ASDAS ranges are adopted: value < 1.3 – no disease activity, ≥ 1.3 and < 2.1 – moderate activity, ≥ 2.1 and < 3.5 – high activity, and ≥ 3.5 – very high activity.

References:

Kilic E, Kilic G, Akgul O, Ozgocmen S. Discriminant validity of the Ankylosing Spondylitis Disease Activity Score (ASDAS) in patients with non-radiographic axial spondyloarthritis and ankylosing spondylitis: a cohort study. Rheumatol Int. 2015;35(6):981-989. doi:10.1007/s00296-014-3168-y

Ward, M. M., Deodhar, A., Gensler, L. S., Dubreuil, M., Yu, D., Khan, M. A., Haroon, N., Borenstein, D., Wang, R., Biehl, A., Fang, M. A., Louie, G., Majithia, V., Ng, B., Bigham, R., Pianin, M., Shah, A. A., Sullivan, N., Turgunbaev, M., Oristaglio, J., … Caplan, L. (2019). 2019 Update of the American College of Rheumatology/Spondylitis Association of America/Spondyloarthritis Research and Treatment Network Recommendations for the Treatment of Ankylosing Spondylitis and Nonradiographic Axial Spondyloarthritis. Arthritis care & research, 71(10), 1285–1299. https://doi.org/10.1002/acr.24025

Wiąk-Walerowicz, K., & Wielosz, E. (2024). Comparison of Ankylosing Spondylitis Disease Activity Score and Bath Ankylosing Spondylitis Disease Activity Index tools in assessment of axial spondyloarthritis activity. Reumatologia, 62(1), 64–69. https://doi.org/10.5114/reum/185429