

Psoriatic Arthritis Disease Activity Score

PASDAS

A composite measure to assess disease activity in psoriatic arthritis (PsA), the Psoriatic Arthritis Disease Activity Score (PASDAS) is calculated as follows:

$$\begin{aligned}
 \text{PASDAS} = & ((0.18 \times \sqrt{\text{Physician's Global VAS}}) \\
 & + (0.159 \times \sqrt{\text{Patient's Global VAS}}) \\
 & - (0.253 \times \sqrt{\text{SF36-PCS}}) \\
 & + (0.101 \times \text{LN (SJC + 1)}) \\
 & + (0.048 \times \text{LN (TJC + 1)}) \\
 & + (0.23 \times \text{LN (Leeds Enthesitis Count + 1)}) \\
 & + (0.37 \times \text{LN (Tender Dactylitis Count + 1)}) \\
 & + (0.102 \times \text{LN (CRP + 1)}) + 2) \times 1.5
 \end{aligned}$$

CRP= C-reactive protein level in mg/l; SF36 - PCS= Medical Outcomes Survey Short Form-36 physical component scale; SJC= swollen joint count of 66 joints; TJC= tender joint count of 68 joints; VAS= visual analog scale.

References

Helliwell PS, FitzGerald O, Fransen J, et al. The development of candidate composite disease activity and responder indices for psoriatic arthritis (GRACE project). *Ann Rheum Dis*. 2013;72:986-991.