

American College of Rheumatology (ACR) Response Criteria

The American College of Rheumatology (ACR) response criteria, a composite measure developed in rheumatoid arthritis (RA) clinical trials, has been used to assess peripheral joint involvement in psoriatic arthritis (PsA). Although ACR20, ACR50, and ACR70 do not assess skin, spine, or enthesal domains, they reflect the extent of improvement in disease activity, as shown in the table below.

ACR response is determined by assessing the percentage improvement in the number of tender and swollen joints along with three of the following: patient global assessment, physician global assessment, functional questionnaire, pain score, and erythrocyte sedimentation rate (ESR) or C-reactive protein (CRP). ACR20 response indicates at least 20% response, while ACR50 and ACR70 indicate at least 50% and 70%, respectively.

ACR20

ACR20
<input type="checkbox"/> At least 20% improvement in the number of tender and swollen joints
AND 20% improvement in at least three of the following:
<input type="checkbox"/> Patient global assessment
<input type="checkbox"/> Physician global assessment
<input type="checkbox"/> Functional questionnaire (Health Assessment Questionnaire)
<input type="checkbox"/> Pain score
<input type="checkbox"/> Erythrocyte sedimentation rate or C-reactive protein level

American College of Rheumatology (ACR) Response Criteria (cont.)

ACR50

ACR50
<input type="checkbox"/> At least 50% improvement in the number of tender and swollen joints
AND 50% improvement in at least three of the following:
<input type="checkbox"/> Patient global assessment
<input type="checkbox"/> Physician global assessment
<input type="checkbox"/> Functional questionnaire (Health Assessment Questionnaire)
<input type="checkbox"/> Pain score
<input type="checkbox"/> Erythrocyte sedimentation rate or C-reactive protein level

American College of Rheumatology (ACR) Response Criteria (cont.)

ACR70

ACR70
<input type="checkbox"/> At least 70% improvement in the number of tender and swollen joints
AND 70% improvement in at least three of the following:
<input type="checkbox"/> Patient global assessment
<input type="checkbox"/> Physician global assessment
<input type="checkbox"/> Functional questionnaire (Health Assessment Questionnaire)
<input type="checkbox"/> Pain score
<input type="checkbox"/> Erythrocyte sedimentation rate or C-reactive protein level

References

Gladman DD, Mease PJ, Healy P, et al. Outcome Measures in Psoriatic Arthritis. *J Rheumatol*. 2007;34(5):1159-1166.