



## Poor patient-reported outcomes results in poor response to TNFi treatment in axial spondyloarthritis patients

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According to the 'Scandinavian Journal of Rheumatology', the axial spondyloarthritis patients who reported a large symptom burden at baseline had poor response rates and low retention rate for TNFi.

Krabbe S and colleagues conducted a nation-wide DANBIO registry, observational cohort study to examine the effectiveness of TNFi treatment for axial spondyloarthritis (axSpA) patients with extremely poor patient-reported outcomes (PROs).

The patients with axSpA who started their first TNFi during the year 2011-2016 were divided as per the baseline Bath Ankylosing Spondylitis Disease Activity Index. The BASDAI > 9.0 to ≤ 10.0 was considered as poor BASDAI. Chi-squared tests were used to evaluate the treatment responses after six months in patients with extremely poor PROs compared with other patients. Log-rank tests were used to examine the retention rates. The Bath Ankylosing Spondylitis Functional Index (BASFI), pain score and patient global score were used for similar analysis.

Out of a total of 1396 patients with a median age of 39 years, 60% men participated in this study. The patients with extremely poor baseline BASDAI [63 patients (5%)] were often women, ever smokers, and human leucocyte antigen-B27 negative, and had higher BMI (body mass index). The response rates were poorer in patients with extremely poor BASDAI vs the rest of the patients. Lower 1-year treatment retention (51% and 68%) were seen in poor BASDAI patients. More similar results were established for patients with extremely poor BASFI, pain score, and patient global score.

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| <b>Source</b>                        | Scand J Rheumatol   |
| <b>Link to the source</b>            | <a href="https://www.ncbi.nlm.nih.gov/pubmed/30102111">https://www.ncbi.nlm.nih.gov/pubmed/30102111</a>   |
| <b>Original title of the article</b> | Extremely poor patient-reported outcomes are associated with lack of clinical response and decreased retention rate of tumour necrosis factor inhibitor treatment in patients with axial spondyloarthritis. |
| <b>Authors</b>                       | Krabbe S et al.   |

SearchTags:

Exploratory, Spondyloarthritis, Joints, Observational cohort study, BASDAI50, Assessment of SpondyloArthritis international Society (ASAS40) response, Bath Ankylosing Spondylitis Functional Index (BASFI), Chi-squared tests, Log-rank tests