

Evaluation of Bone Erosions in Rheumatoid Arthritis: The Ultrasound Score for Erosions Versus the Modified Sharp/van der Heijde Score for Erosions

Julien Grosse, Edem Allado, Éliane Albuissou, Audrey Pierreisnard, Marion Couderc, Isabelle Chary-Valckenaere and Damien Loeuille

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Hi, this is Julien Grosse from the rheumatology department in Nancy in France.

I'm glad to share the main results of our article entitled "Evaluation of Bone Erosions in Rheumatoid Arthritis: The Ultrasound Score for Erosions Versus the Modified Sharp/van der Heijde Score for Erosions".

The main objective was to evaluate the relationship between the 2 scores.

One hundred eight patients with rheumatoid arthritis (RA) were included. On radiography, the Sharp score was evaluated by 2 or 3 blinded readers.

On ultrasonography, erosions were scored on 6 bilateral joints. Let me show you a little demonstration. On metacarpophalangeal 2, 3, and 5 on dorsal/lateral/palmar facets; on metatarsophalangeal joints 2, 3, and 5 on dorsal/lateral/plantar facets) with a 4-point scale to calculate our score called the ultrasound score for erosions.

The main results are that the Pearson correlation was good and the agreement illustrated by a Bland-Altman plot was excellent (91%) between the 2 scores, which were complementary in detecting erosions.

In conclusion, our ultrasound score seems to be a valuable tool for assessing erosive damage in RA.

Thank you very much for your attention, and please do check out our full article at *The Journal of Rheumatology*.