



UNIVERSITY OF LEEDS

This is a repository copy of *Reliability and Change in Erosion Measurements by High-Resolution peripheral Quantitative Computed Tomography in a Longitudinal Dataset of Rheumatoid Arthritis Patients*.

White Rose Research Online URL for this paper:
<https://eprints.whiterose.ac.uk/165893/>

Version: Accepted Version

Article:

Finzel, S, Manske, SL, Barnabe, C et al. (10 more authors) (2020) Reliability and Change in Erosion Measurements by High-Resolution peripheral Quantitative Computed Tomography in a Longitudinal Dataset of Rheumatoid Arthritis Patients. *The Journal of Rheumatology*. jrheum.191391. jrheum.191391-jrheum.191391. ISSN 0315-162X

<https://doi.org/10.3899/jrheum.191391>

© 2020 The Journal of Rheumatology. This is an author produced version of an article published in *The Journal of Rheumatology*. Uploaded in accordance with the publisher's self-archiving policy.

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Table 1: Numbers of total and pathological cortical breaks per surfaces as well as localization and sizes of pathological cortical breaks per surface measured by four readers

Surface	Palmar PB	Ulnar PB	Dorsal PB	Radial PB	Palmar MH	Ulnar MH	Dorsal MH	Radial MH	Total
Total number of breaks (number of pathological breaks)	31 (0)	3 (3)	1 (0)	3 (2)	16 (1)	8 (6)	8 (4)	29 (25)	99 (41)
Width axial (mm)	na	1.76 ± 0.38	na	1.89 ± 0.30	4.05 ± 0.59	1.98 ± 0.38	2.16 ± 0.81	2.38 ± 1.46	2.37 ± 0.65
Depth axial (mm)	na	1.27 ± 0.45	na	1.64 ± 0.80	2.31 ± 0.67	1.90 ± 0.45	1.36 ± 0.64	1.97 ± 0.94	1.74 ± 0.66
Width perpendicular (mm)	na	1.53 ± 0.62	na	1.28 ± 0.33	2.04 ± 0.66	2.72 ± 1.52	1.93 ± 0.65	2.43 ± 1.38	1.99 ± 0.86
Depth perpendicular (mm)	na	1.40 ± 0.51	na	2.07 ± 1.78	2.31 ± 1.89	1.96 ± 0.59	1.58 ± 0.69	1.94 ± 0.89	1.88 ± 1.06

Table 1: Total numbers of cortical breaks per surfaces are displayed for phalangeal bases (PB) as well as for metacarpal heads (MH) are shown. Numbers of pathological breaks are given in brackets. Size, assessed by mean axial and perpendicular depths and widths of cortical breaks in mm ± standard deviation is shown per surface. Numbers and measures are given for full consensus on presence and appearance of breaks only. Values refer to baseline measures. mm = millimeters. PB = phalangeal base. MH = metacarpal head. na = not applicable