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Background Previous studies have reported conflicting findings between serum anti-citrullinated protein antibodies (ACPA) levels in rheumatoid

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were analysed for ACPA quantification using enzyme-linked immunosorbent assay (ELISA). Results Median levels (IU/mL) of ACPA (interquartile range, IQR) in RAPd, RA, Pd and HC groups were 118.58(274.51), 102.02(252.89), 78.48(132.6) and 51.67(91.31) respectively. ACPA levels were significantly higher in RAPd and RA as compared to HC group (p < 0.05). However, ACPA levels of any of the groups were not correlated with any clinical periodontal and RA parameters within the respective groups. Conclusions At individual

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level, the amount of serum ACPA seem to have an increasing trend with the diseased condition in the order of RAPd > RA > Pd > HC. However, lack of any significant correlation between the serum ACPA levels with the clinical Pd and RA parameters warrants further studies to investigate the causal link between RA and Pd for such a trend. Further studies involving more inflammatory biomarkers might be useful to establish the causal link between Pd in the development and progression of RA or vice versa.

Keywords

Author Keywords: Anti-citrullinated protein antibodies (ACPA); Citrullination

; Periodontitis; Rheumatoid arthritis

Keywords Plus: ANTI-CCP AUTOANTIBODIES; INFLAMED SURFACE-AREA; PEPTIDE ANTIBODY; DISEASE-ACTIVITY; SERUM-LEVELS; ASSOCIATION; CLASSIFICATION; POPULATION; SEVERITY; LINK

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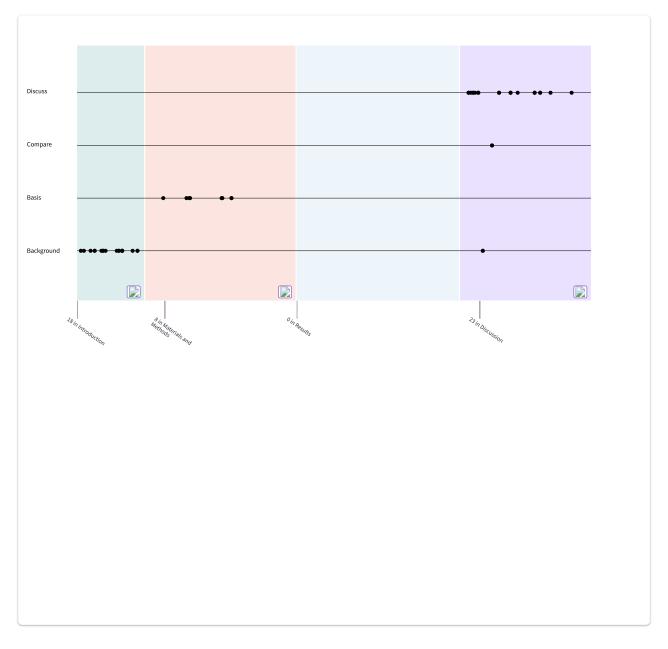
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