



## ▼ POST GRADUATES ABSTRACTS

### PG - 75 : CORRELATION OF SALIVARY RBP4 LEVELS WITH BODY MASS INDEX IN CHRONIC PERIODONTITIS PATIENTS.

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**Aim:**To correlate the levels of salivary Retinol Binding Protein-4 with BMI in patients with Chronic periodontitis.

**Materials and Methods:** Ninety-one systemically healthy non- smoking participants with chronic periodontitis were enrolled. Patients  $\geq 30$  years of age were selected. Periodontal parameters such as bleeding on probing, periodontal probing depth and clinical attachment loss were recorded. Body Mass Index and Waist-to-Hip ratio was recorded. Unstimulated salivary samples were collected and the samples were assayed for RBP4 using human RBP4 ELISA kit.

**Results:** Salivary RBP4 does not correlate with BMI and waist to hip ratio and no significant correlation between RBP4 and periodontal parameters was also found. The only correlation was observed was between BMI and bleeding on probing.

**Conclusion:** Our results suggest that while correlating RBP4 with BMI in chronic periodontitis, no possible association between RBP4 and BMI was found. This illustrates that in this present study, RBP4 may not be a potential marker in chronic periodontitis.