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**Original article**

**C-peptide and its correlation to parameters of insulin resistance and obesity in Type 2 diabetes**

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**Abstract**

Type 2 Diabetes Mellitus is well associated with insulin resistance. Many research findings indicate that c-peptide has an important biological activity in relation to diabetes mellitus and as a marker of pancreatic β-cell function. This study thus aims to prove the importance of c-peptide in diagnosis of type 2 Diabetes Mellitus

**Materials and Methods:**This is a Prospective study held at D.Y.Patil University School of Medicine Nerul, Navi Mumbai. Institutional Ethics Committee approval was taken before the start of the study.Detailed history, Physical parameters and BMI were noted in well piloted case record form. Mean ± SD and Pearson’s correlation coefficient with p value <0.05 significant was done for association between c-peptide and laboratory parameters. Chi-square test was used to evaluate data between BMI and c-peptide.

**Key words**- C-peptide, HOMA IR, Type 2 Diabetes Mellitus