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**Original article:**

**A comparative study of oxidative status in pregnant and non-pregnant women**

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**Abstract**

**Introduction**: Pregnancy is a normal physiological phenomenon with many biochemical changes. This study was aimed at determining the oxidative status in pregnant and apparently healthy non pregnant women.

**Materials and methods**: Product of lipid Peroxidation, Malondialdehyde (MDA) and enzymatic antioxidant, Superoxide dismutase (SOD) were estimated in serum of 100 pregnant women and 100 non pregnant apparently healthy controls in the age group of 18-40 yrs.

**Observation**: It was observed that pregnant women are more susceptible to Oxidative Stress as compared to non-pregnant women.

**Result**: Findings were, the mean plasma level of MDA was significantly increased in pregnant group compared to non pregnant group (p<0.0001), also there was a significant decrease in SOD levels in pregnant women as compared to Non-Pregnant women (p<0.0001)

**Conclusion**: .The conclusion of the research was that pregnant women have increased levels of oxidative stress.

**Key Words:** Oxidative stress, MDA, SOD, Pregnancy