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**Original article:**

**A Prospective analysis of association of hormonal and reproductive factors with low back pain in reproductive female at a tertiary care hospital.**

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**Abstract**

Background: Low back pain related disability and work absence accounts for high economical costs in modern society. A prevalence of 22.32% has been found with increase of prevalence with age and female preponderance.

Methods: The present study was conducted on 125 non pregnant women complaining of low back pain attending Department of Obstetrics and Gynaecology, KPC Medical College, Jadavpur, Kolkata during the period of one year. A brief questionnaire was used to screen, among the respondents, the occurrence of low back pain in the past year.

Results: Low back pain was associated with high BMI, high waist circumference, more numberof children, irregular and prolonged duration of menstruation, young maternal age at first birth and with history of abortion.

Conclusions: Hormonal and reproductive factors were found to be responsible for causing with low back pain.

Keywords: Hormonal factors, Reproductive factors, Reproductive female