

## Maternal, Fetal and Neonatal Outcomes of Elective Versus Emergency Cesarean Deliveries

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**Abstract :** Background: Cesarean sections are associated with short- and long-term risks and affect the health of the woman, her child, and future pregnancies. We conducted a study to compare Maternal, fetal, and neonatal elective versus emergency cesarean deliveries in a tertiary care center. Material & Methods: This was a cross-sectional comparative hospital-based study conducted at Kamla Nehru State Hospital for the mother and Child, Department of Obstetrics and Gynecology, Indira Gandhi Medical College, Shimla, from June 1, 2020, to May 31<sup>st</sup>, 2021). A total of 200 consenting participants (100 participants undergoing elective cesarean section & 100 participants undergoing emergency cesarean section) were enrolled. The analysis was performed using the statistical package for social sciences (SPSS) version 21. Results: Antenatal complications were more in women who had an emergency cesarean section (95%) as compared to those who had an elective cesarean section (46%) ( $p=0.0076$ ). 26.5% of women had fetal complications, and out of them, 92.4% (49/53) underwent emergency cesarean section. IUGR was diagnosed in 8% of women, out of them, 56.2% had elective cesarean section & 43.8% had an emergency cesarean section. Malpresentation other than breech presentation were present in 3.5% (7/200) of women. Six (3%) women had cesarean section for macrosomia. Of these, 66.7% (4/6) had elective cesarean section & 33.3% had emergency cesarean section. 23% (46/200) neonates required NICU admission, and 5% (10/200) had transient tachypnoea of new-born (TTNB). Conclusion: Our study concluded that maternal and fetal Complications of an emergency cesarean are more as compared to a planned elective cesarean. An elective cesarean conducted well in time will prevent an emergency cesarean delivery and its related complications.

**Keywords :** maternal, fetal, neonatal, complications, cesareans

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