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Abstract Topic: - Clinical Genetics

Abstract Title: - DNA damage in Perinatal Asphyxia using Micronucleus Assay

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Aims: - To identify DNA damage in Perinatal asphyxia.

Correlate DNA damage with serum malondehyde.

Methods: - CBMN assay

Estimation of MDA

Results: - Significant DNA damage between case & controls(<0.0001).

Positive correlation between DNA damage & serum MDA level(<0.0001).

Conclusions: - Micronucleus score is one of the best cytogenetic investigation to identify double strand break in Perinatal Asphyxia in which reactive oxygen species hamper the functions of DNA which leads to alteration in the oxygen carrying capacity of the molecules.

Keywords: - Significant DNA damage between case & controls(<0.0001).

Positive correlation between DNA damage & serum MDA level(<0.0001).