The study Teratogenic effects of hyperthermia on rat embryonic development

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Abstract

Background: The hyperthermia is the increase in mammalian’s body temperature above normal that affects the embryo during the critical stage of gestational term and may cause some congenital malformations.

Objective: The aim of this study was understanding the teratogenic effects of hyperthermia on the rat embryonic development.

Methods: In this study 50 female rats of Sprague Dawley strain were used and their body temperature was determined by rectal measurement. Then female pregnant rats were divided to seven groups (one control group and six experimental groups).

The female pregnant rats from 9 to 14 days of gestation were put in the incubator in three normal that affects the embryo during the critical stage of gestational term and may cause some congenital malformations.

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