Study of the teratogenic potential of FD & C Red No. 40 when given by gavage to rats.

Collins TF, Black TN, Welsh JJ, Brown LH.

Abstract

Osborne-Mendel rats were intubated with FD & C Red No. 40 at dose levels of 0, 30, 75, 150, 300, 600, or 1000 mg/kg body weight/day on days 0-19 of gestation. No developmental toxicity was observed when the animals were killed on day 20 of gestation. No dose-related changes were seen in maternal daily observations, food consumption, body-weight gain or implantations, or in foetal viability, body weight, body length, sex distribution or external variations. Skeletal and soft-tissue development appeared similar in foetuses of all groups. The isolated increases that occurred in the number of male foetuses, number of females with two or more resorptions, number of litters with three or more sternebral variations and incidence of 14th rib bud are considered random occurrences and were not related to dosage.

PMID: 2613118 [PubMed - indexed for MEDLINE]
Study of the teratogenic potential of FD & C Red No. 40 when given by gavage to rats. - ...

0 comments

How to join PubMed Commons