

# The Effect of Dental Radiography on Fetus

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**Abstract Type:** Original Research

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**Background and Aim:** Radiation exposure has harmful effects on the development of the fetus. Pregnant women may not want to have routine dental x-ray until after they give birth. They should continue to visit their dentists for regular cleaning; however, elective dental treatment such as X-Rays should be avoided, especially during the first trimester.

**Methods:** Effect of radiation was studied on pregnant rabbit.

**Results:** During the first trimester the rate of fetal growth is very rapid and the fetus as an organism. The most sensitive time for radiation affects to a fetus is first trimester. It is actually in the middle trimester when they are the safest. During this period overall growth rate of the fetus has slowed. Irradiation during this period may deplete cell populations at very high doses (over 50 REM) but will not result in gross organ malformations.

**Discussion and Conclusions:** Dental treatment in general are not recommended during the third trimester because the title of the dental chair may reduce blood circulation and lying on their back for an extend period of time may be uncomfortable. For additional protection dentists generally use lead apron placed over abdomen to shield patients from radiation.