

## Short Communication

# Prevalence and pattern of congenital malformations in newborn in Rafsanjan, Iran (2007-08)

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## Abstract

**Background and Objective:** Congenital malformations are among important causes of morbidity and mortality in newborns. This study was done to determine the prevalence and pattern of congenital malformations in newborn.

**Materials and Methods:** This descriptive study was done on 6089 newborns in maternity center in Rafsanjan, Iran during 2007-08. The newborns were examined by pediatricians and based on clinical examination; the type of obvious of either minor or major malformations were recorded.

**Results:** The 179 cases had at least a major or minor malformations. Over all the prevalence of malformations was 2.93%. The highest prevalence of obvious malformations was seen in the musculo-skeletal (43.5%), followed by genitourinary (22.9%) and cardiovascular systems (15.08%). There was significant relation between congenital malformations, gestational age and medicine used by mothers ( $P < 0.05$ ).

**Conclusion:** The highest prevalence of obvious malformations was seen in the musculo-skeletal system.

**Keywords:** Congenital malformation, Prevalence, Musculo-skeletal system, Gestational age, Medicine

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