

عنوان مقاله:

Factors Related to Genetic Disorders and Congenital Anomalies in Nogab Village of South Khorasan Province

محل انتشار:

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نویسندگان:

Mohammad Esmaeil Masinaei Nejad - MSc, Neurology Research Center, Kerman University of Medical Sciences, Kerman, Iran

Narges Khanjani - Professor, Environmental Health Engineering Research Center, Kerman University of Medical Sciences, Kerman, Iran

Maryam Khodadadi - Assistant Professor, Social Determinants of Health Research Cancer, Birjand University of Medical Sciences, Birjand, Iran

Esmail Najafi - MSc, Department of Epidemiology and Biostatistics, School of Public Health, Kerman University of Medical Sciences, Kerman, Iran

خلاصه مقاله:

Background: Congenital malformations are defects that are present at birth. The purpose of the present study was to determine the status of congenital malformations and their risk factors in Noghab village, South Khorasan Province. **Methods:** In this case-control study, ۱۵۲ cases with congenital anomalies and ۱۵۲ controls were enrolled. A researcher-made checklist and face-to-face interviews were used to record patient data. Chi-square test, Mann-Whitney U, and univariate and multivariate logistic regression in SPSS ۲۲ were used for statistical analysis. **Results:** One hundred and nineteen (۷۲.۵%) patients were male. The overall prevalence of congenital abnormalities in the village was ۴.۵%. The most prevalent types of disorders were neurological (۳۵.۴%) and multiple abnormalities (۳۰.۵%). According to multivariate logistic regression, consuming barberries daily during pregnancy, having first-degree relatives with anomalies, daily use of herbal medicine and weekly consumption of pickled vegetables during pregnancy, and the existence of a chronic disease in the father were significantly associated with congenital disorders in the offspring. **Conclusion:** In addition to the previously known risk factors for congenital malformation, consumption of barberries, herbal medicine and pickled vegetables during pregnancy, might be risk factors for congenital anomalies. These products should be used with caution in pregnant women.

کلمات کلیدی:

Genetic disorders, Congenital anomalies, Barberry, Prevalence, Iran

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