عنوان مقاله:

Relationship between vitamin D consumption during pregnancy and neonatal congenital heart disease

محل انتشار:

مجله كشت ها و گردش خون, دوره 1, شماره 3 (سال: 1399)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Background and Aim: Interactions between genetic and environmental factors, including modifiable maternal nutrition and lifestyle, play a significant role in the pathogenesis of most congenital heart defects (CHD). This study was conducted to investigate the relationship between periconceptional maternal vitamin D status and the prevalence of CHD in offspring. Materials and Methods: This case-control study was conducted on ۶۶۰ neonates referring to Masoumeh Hospital, Qom, Iran, from April ۲۰۱۶ onwards. The subjects were divided into two groups of CHD and healthy patients. The instrument applied to collect the necessary data was a research-made checklist including demographic data and risk factors related to the study, which was filled by mothers. Independent t-test and Chi-square test were used to analyze quantitative and qualitative variables, respectively. A logistic regression test was also utilized, and the p-value of less than ·.· Δwas considered significant. Results: The mean age of mothers was obtained as \mathfrak{r} · years in both groups. It was revealed that \mathfrak{q} (\mathfrak{r} A. \mathfrak{q} %) and \mathfrak{q} (\mathfrak{r} A. \mathfrak{q} %) of mothers in the case and control groups consumed Vitamin D in pregnancy. There was a significant difference between vitamin D intake and CHD in the two groups(\mathfrak{p} <-/->-(···). The economic status of \mathfrak{q} . \mathfrak{q} % of families with CHD patients was reported to be low. According to the results, \mathfrak{q} - \mathfrak{q}

كلمات كليدى:

Vitamin D, Congenital Heart Disease, Pregnancy

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