

Prevalence of early side effects of pentavalent vaccine in 1 to 6 months old infants in Iran

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Background:

Pentavalent vaccine has been added to the vaccination program in Iran since 2014. Sufficient and significant studies on its side effects in Iran is not done. Therefore, this study was performed to determine the prevalence of early vaccine complications occurs in children within a week after the vaccine injection.

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Background:

The pentavalent vaccine has been added to the vaccination program in Iran since 2014 but sufficient data were not reported on its side effects. Therefore, this study aimed to determine the prevalence of early vaccine complications in children within a week after the vaccine injection.

Method and materials:

This study is a cross-sectional descriptive study that was performed on 622 infant vaccinated with pentavalan vaccine from June to December. The samples were in the age group of 1 to 6 months. The data collection tool was a questionnaire that after completing the child's details and reporting the contact phone number, was delivered to the child's parent by the vaccination officer and explain to mark any side effects observed in the infant till one week and return it to the vaccination center. Data were analyzed using descriptive statistics in SPSS software. In all stages of the research, the ethical role was considered.

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Methods and materials:

This is a cross-sectional descriptive study that was performed on 622 **infants**, vaccinated with **pentavalent** vaccine from June **to** December **2019**. The samples were in the age group of 1 to 6 months. The data collection tool was a questionnaire **that was delivered to the parents after completing the child's details by the vaccination officer. They were asked to observe any side effects in the infant for one week and report it to the vaccination center.** Data were analyzed using descriptive statistics in SPSS software. In all stages of the research, **the ethical point of view was considered.**