VACCINATION AND PRE-VACCINATION CHECK-UPS FOR CHILDREN

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Annotation. *This article describes in detail the importance of vaccinating children, the stages of the vaccination process, and the role of pre-vaccination medical examination. It also deeply analyzes the issues of preventing infectious diseases through vaccination, forming strong immunity in children's bodies, and ensuring epidemiological stability in society. The role of vaccination in modern medicine, its effectiveness, safety measures, and strategic importance in protecting public health are scientifically described.*

Keywords. *Vaccination, vaccine, immunity, children's health, prevention, pre-vaccination examination, infectious diseases, pediatrics, epidemiology, collective immunity, healthy generation.*

Annotatsiya. Ushbu maqolada bolalarni emlashning ahamiyati, emlash jarayonining bosqichlari hamda emlashdan oldingi tibbiy ko‘rikning o‘rni batafsil yoritilgan. Shuningdek, emlash orqali yuqumli kasalliklarning oldini olish, bolalar organizmida mustahkam immunitet shakllantirish hamda jamiyatda epidemiologik barqarorlikni ta’minlash masalalari chuqur tahlil qilingan. Emlashning zamonaviy tibbiyotdagi o‘rni, uning samaradorligi, xavfsizlik choralari hamda xalq salomatligini muhofaza qilishdagi strategik ahamiyati ilmiy asosda bayon etilgan.

Kalit so‘zlar. *Emlash, vaksina, immunitet, bolalar salomatligi, profilaktika, emlash oldi ko‘rigi, yuqumli kasalliklar, pediatriya, epidemiologiya, jamoaviy immunitet, sog‘lom avlod.*

Аннотация. *В данной статье подробно описывается важность вакцинации детей, этапы процесса вакцинации и роль предвакцинационного медицинского осмотра. Также глубоко анализируются вопросы профилактики инфекционных заболеваний посредством вакцинации, формирования сильного иммунитета в организме детей и обеспечения эпидемиологической стабильности в обществе. Научно описана роль вакцинации в современной медицине, ее эффективность, меры безопасности и стратегическое значение в защите общественного здоровья.*

Ключевые слова. *Вакцинация, вакцина, иммунитет, здоровье детей, профилактика, предвакцинационный осмотр, инфекционные заболевания, педиатрия, эпидемиология, коллективный иммунитет, здоровое поколение.*

Today, preserving and strengthening children's health is one of the priority tasks of every state. Vaccination plays an important role, especially in the prevention of infectious diseases. Vaccination creates artificial immunity in the body, which creates reliable protection against various dangerous diseases.

In modern medical practice, vaccination is one of the most effective, safe and economically acceptable preventive measures. Because the treatment of a disease requires a lot of time, money and effort, and sometimes can lead to serious complications or disability.

Therefore, the prevention of diseases through vaccination is of great importance not only for individual health, but also for protecting the health of society. At the same time, a medical examination of a child before vaccination is an integral part of the process, which serves to ensure the safe and effective implementation of vaccination.

Vaccination of children is carried out on the basis of a special national vaccination schedule. This schedule is developed depending on the age,

characteristics of the body and the epidemiological situation of children. Each vaccine is aimed at creating immunity against a specific disease.

For example, vaccinations against diseases such as measles, rubella, whooping cough, diphtheria, hepatitis B, tuberculosis (TB), and polio are mandatory during childhood. If these diseases are not prevented in time, they can lead to severe complications, disability, or even death.

As a result of vaccination, special antibodies are produced in the body. This allows the pathogens to quickly neutralize them when they enter the body.

In addition, vaccination forms collective immunity. That is, if a large part of the population is vaccinated, the spread of the disease is sharply reduced, and even unvaccinated individuals are indirectly protected.

A pre-vaccination medical examination is one of the most important stages of the vaccination process. This examination assesses the child's general health and identifies contraindications to vaccination.

The examination includes the following aspects: Assessment of the child's general condition (activity, mood, appetite), measurement of body temperature, examination of the skin and mucous membranes, examination of the heart and respiratory system, identification of acute or chronic diseases, assessment of allergic conditions, analysis of reactions to previous vaccinations.

If the child is healthy, vaccination is carried out. Otherwise, temporary medical restrictions are imposed. This reduces the risk of complications and protects the child's health.

The vaccination process is carried out in compliance with strict sanitary and hygienic rules. Vaccines are stored in special conditions, that is, on the basis of the cold chain system. This is important for maintaining their quality and effectiveness.

Vaccination should be carried out only by qualified medical personnel. Before each vaccination, the expiration date, storage conditions and rules of use of the vaccine are checked.

After vaccination, the child is under observation in a medical institution for at least 20–30 minutes. During this time, immediate allergic reactions may occur.

The following mild side effects may occur after vaccination. Fever, pain, redness or swelling at the injection site, and general weakness.

These conditions usually resolve on their own within 1–3 days and do not require special treatment. However, in rare cases, severe allergic reactions may occur. In such cases, immediate medical attention is necessary.

The role of parents in vaccinating children is invaluable. It is important that they not only follow the vaccination schedule, but also properly prepare the child for vaccination.

Parents should pay attention to the following. Do not violate the vaccination schedule, provide the doctor with complete information about the child's health, carefully monitor the child after vaccination, follow the doctor's recommendations, avoid unreasonable fears and misinformation.

Today, there are cases of refusal to vaccinate due to some incorrect information. This can lead to the re-spread of infectious diseases.

In conclusion, vaccinating children is of great importance for their healthy development, quality of life and longevity. Vaccination forms not only individual, but also collective immunity, which protects society from dangerous infectious diseases.

Pre-vaccination medical examination is an integral and important part of this process, ensuring the safety of vaccination.

Therefore, every parent must deeply understand the importance of vaccination, follow the established schedule, strictly follow the doctor's recommendations and responsibly approach the health of their child. Only through systematic and properly organized vaccination efforts can we raise a healthy generation and prevent infectious diseases in society.

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