

Childhood immunization



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Objectives:

- Define immunity.
- Discuss maternal immunization and its effect on the neonate.
- List the pre-immunization checklist.
- Discuss the immunizations schedule.
- Discuss the possible side effects from vaccine.
- Enumerate the benefits of childhood vaccination .

Introduction

Vaccination can protect your child from a lot of serious diseases that the immune system can not fight them off including diphtheria, measles, mumps, rubella, polio, tetanus, whooping cough (pertussis).





What is immunity

Immunity is the host's defence by prevention or elimination of harmful viruses and Pathogen¹ .



Maternal Immunization

A short-term protection against infection which the body is injected by antibodies brought from another source called ***PASSIVE IMMUNITY***.





Vaccinated pregnant women has the potential to transport the maternal immunoglobulin G through placenta, providing passive immunity to the neonate or infant before the ability of infant to respond the vaccine.



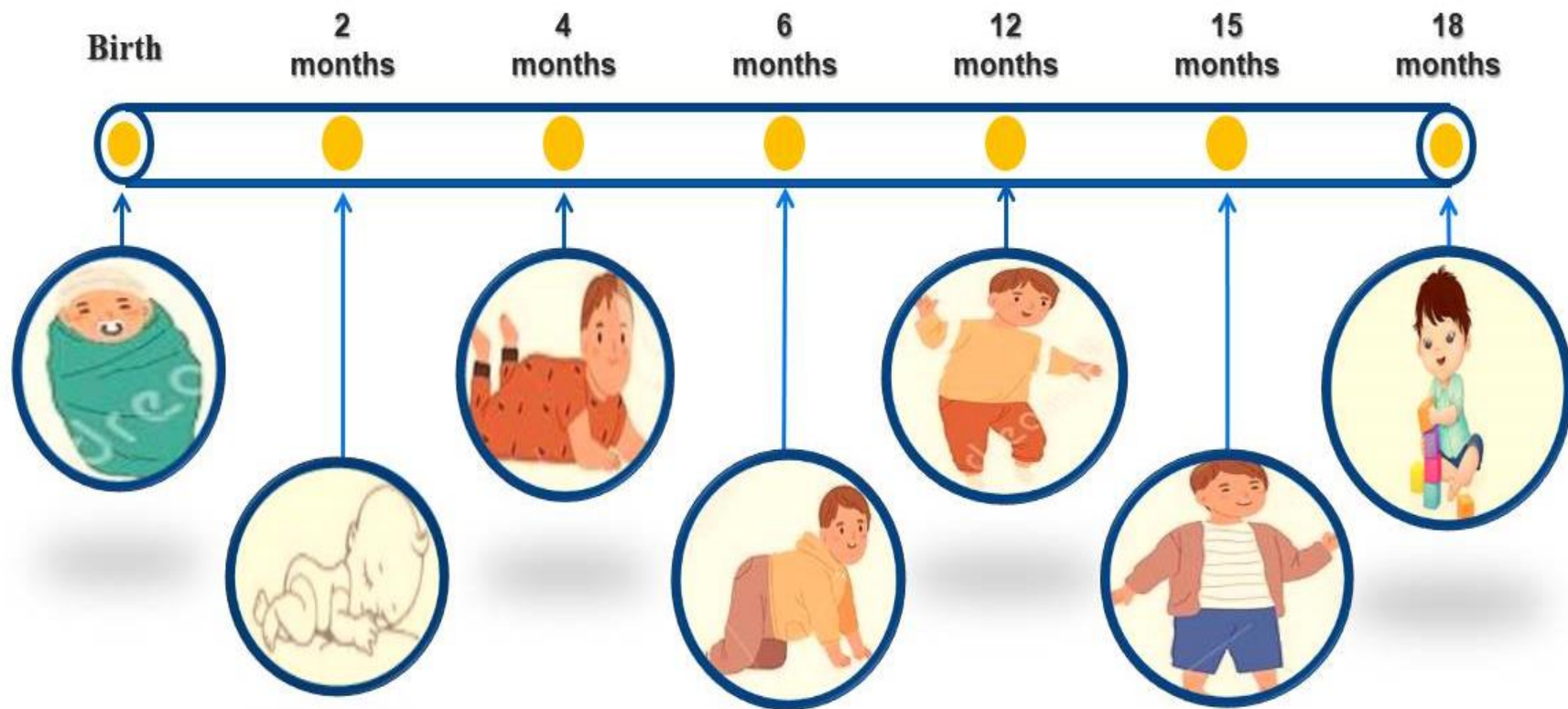


Pre-immunization checklist

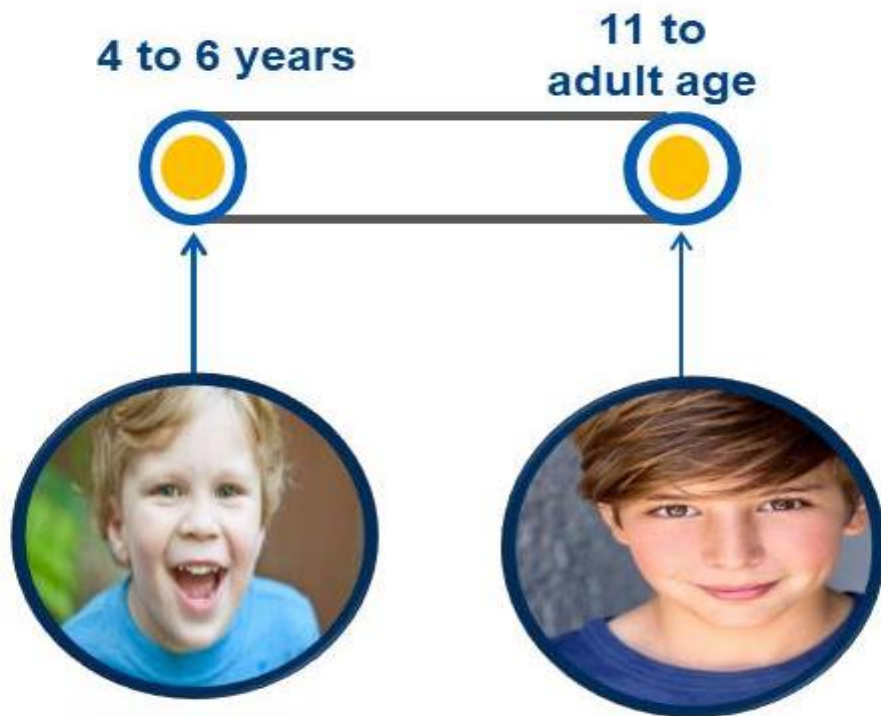
The doctor or nurse must be told if the child has :

- Fever (over than 38.5°C)
- Any severe reactions and allergies following vaccines and other medications respectively.
- Pre-term infant.
- Chronic disease or Immunosuppressant disease.
- Weak functioning spleen.

Childhood immunization schedule



Childhood immunization schedule



Side effects after immunization

Vaccines are like any medication have side effects which is the coincidental event following the vaccination .
Fever and the site of the injection should be managed.





Why vaccinate?

- Vaccination can save your child's life earlier.
- Vaccines are safe and effective .
- Protect people you care about .
- Provide protection to the next generations.



**Vaccinate
your
child**

Conclusion

The world is a dangerous place and can harm the lovely child who is at risk to be exposed to several pathogens , so vaccinating children is the optimal solution to protect them from a long way of suffering ,long-term complications or even death.





References

1. Munoz FM, Jamieson DJ. Maternal Immunization. *Obstet Gynecol.* 2019;133(4):739-753.
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2. <https://www.betterhealth.vic.gov.au>
3. <https://www.cdc.gov.au>

THANK YOU