**Questions for module**

1. What changes have occurred in the production of vaccines over the past 80 years?

2. Are there pathognomonic manifestations of post-vaccination reactions and complications?

3. What else can be expected after vaccination?

4. WHO evaluation criteria of the post-vaccination period.

5. What is a reaction to a vaccine?

6. What are software errors?

7. What are accidental NCDIs?

8. What is a reaction to an injection (shot)?

9. What is an undiagnosed NPPI?

10. What is the algorithm of actions in the event of adverse events after immunization (AEs)?

11. Immunoprophylaxis of tuberculosis.

12. Immunoprophylaxis of hepatitis A.

13. Immunoprophylaxis of hepatitis B.

14. Immunoprophylaxis of diphtheria and tetanus.

15. Immunoprophylaxis of whooping cough.

16. Immunoprophylaxis of poliomyelitis.

17. Immunoprophylaxis of hemophilic infection.

18. Immunoprophylaxis of measles, rubella and epidemic parotitis.

19. Immunoprophylaxis of chicken pox.

20. immunoprophylaxis of rotavirus infection.

21. Immunoprophylaxis of pneumococcal infection.

22. Immunoprophylaxis of influenza.

23. Immunoprophylaxis of meningococcal infection and infection.

24. Immunoprophylaxis of infection caused by the human papilloma virus.

25. Immunoprophylaxis of covid.

**Essential Reading**

1. Manual of Children's Infectious Diseases [Текст] = Дитячі інфекційні хвороби : навч. посіб. / O. Ye. Fedortsiv, I. L. Horishna, H. A. Pavlyshyn, I. M. Horishnyi. — Vinnitsia : Nova Knyha, 2020. — 440 p.

2. Infant and Young Child Nutrition (0–23 months) : recommendations [Текст] / O. V. Katilov, A. V. Varzar’, O. Yu. Belousova etc. — Vinnytsia : Nova Knyha, 2019. — 64 p.

3. Pediatric Infectious Diseases [Текст] : textbook / S. O. Kramarev, O. B. Nadraga, L. V. Pipa etc. — 4-th edition. — Kyiv : AUS Medicine Publishing, 2020. — 240 p. + Гриф МОЗ.

**Supplemental Reading**

1. Methodical instructions for practical lesson on the topic "Viral hepatitis" on the discipline "Сhildren infectious diseases" (in accordance with the conditions of the Bologna process) [Текст] : for students of specialty 222 "Medicine" of full-time training / O. I. Smiyan, T. P. Bynda, K. O. Smiian. — Sumy : Sumy State University, 2021. — 79 p.
2. Epidemiology of infectious diseases: textbook / ND Yushchuk, Yu. V. Martynov, EV Kukhtevich, Yu. Yu. Grishina. - 3rd ed. revised and add. - ed. "GEOTAR-Media". - 2016. - 496 p.

3. Infectious diseases and epidemiology: textbook / V. I. Pokrovsky, N. I. Briko, B. K. Danilkin. - 3rd ed., Rev. and add. - M .: GEOTAR-Media.- 2016 .- 1008 p.

4. Children infectious diseases. Methodical instructions for practical lessons. "Poliomyelitis" [Електронний ресурс] : for students specialty 7.110101 of full-time studying / O. I. Smiyan, T. P. Bynda, O. G. Vasilyeva. — Електронне видання каф. педіатрії післядипломної освіти. — Sumy : Sumy State University, 2015. — 50 p.

5. Methodical instructions for practical lessons "Children infectious diseases. Measles" [Текст] : for students of specialty 7.110101 of full-time studying / O. I. Smiyan, T. P. Bynda, Iu. A. Mozgova, K. O. Smiian Horbunova. — Sumy : Sumy State University, 2017. — 59 p.

6. Methodological instructions for practical lessons "Scarlet fever" on the discipline "Childhood infections" [Текст] : in accordance with the conditions of the Bologna process for students of specialty 222 "Medicine" of full-time training / O. I. Smiyan, T. P. Bynda, K. O. Smiian-Horbunova, O. G. Vasilyeva. — Sumy : Sumy State University, 2019. — 54 p.

7. Methodological instructions for practical lessons "Pertussis" on the discipline "Childhood Infections" (in accordance with the conditions of the Bologna process) [Текст] : for students of specialty 222 "Medicine" of full-time training / O. I. Smiyan, T. P. Bynda, K. O. Smiian, O. G. Vasilyeva. — Sumy : Sumy State University, 2020. — 57 p.

8. Methodological instructions for practical lessons "Diphtheria" on the discipline "Childhood Infections" (in accordance with the conditions of the Bologna process) [Текст] : for students of specialty 222 "Medicine" of full-time training / O. I. Smiyan, T. P. Bynda, O. G. Vasilyeva, K. O. Smiian. — Sumy : Sumy State University, 2020. — 83 p.

9. Methodological instructions for practical lessons "Rubella" on the discipline "Childhood infections" [Текст] : in accordance with the conditions of the Bologna process for students of specialty 222 "Medicine" of full-time training / O. I. Smiyan, T. P. Bynda, K. O. Smiian-Horbunova. — Sumy : Sumy State University, 2018. — 53 p.

**Web-based and electronic resources**

1. https://moz.gov.ua/ Ministry of Health of Ukraine

2. https://www.ecdc.europa.eu/en European Centre for Disease Prevention and Control

3. https://pubmed.ncbi.nlm.nih.gov/ PubMed

4. https://www.nlm.nih.gov/ U. S. National Library of Medicine

5. https://www.who.int/wer/en/ Weekly Epidemiological Record

6. https://www.cdc.gov/ Centers for Disease Control and Prevention