

## Catalog of elective subjects

- 1. Department of Obstetrics and Gynecology**
- 2. Level of training-Bachelor**
- 3. Educational program-6B10103-" Dentistry»**
- 4. Course – 4, number of credits-3, number of hours-90.**
- 5. Name of elective discipline-Obstetrics and Gynecology**

### **Goal:**

Formation of competencies for the diagnosis, treatment and prevention of dental diseases during pregnancy and in the postpartum period, taking into account the peculiarities of the course of physiological and pathological pregnancy, the postpartum period and the lactation period; with frequent gynecological diseases; training in the basics of practical skills used in obstetrics and gynecology, including emergency conditions. Improve communication skills of interpersonal communication and counseling of pregnant women, postpartum patients and gynecological patients.

**The content of the discipline:** Obstetrics and gynecology studies the physiology and pathology of pregnancy, childbirth, the postpartum period, fetal growth and development, the physiology and pathology of the child in the neonatal period; the physiology and pathology of the reproductive system, reproductive organs in all periods of a woman's life: antenatal, postnatal, neutral, pubertal, reproductive, perimenopausal, postmenopausal.

### **Tasks:**

1. To give students up-to-date knowledge about the main manifestations of the most common obstetric conditions and gynecological pathologies;
2. Teach them to provide emergency care for the most common obstetric conditions and gynecological diseases, to make an observation plan, to provide the necessary care to the patient;
3. Teach to observe and control sanitary and hygienic and anti-epidemic regimes in obstetric and gynecological institutions in accordance with regulatory documents;
4. Teach to train (advise) patients and family on family planning and contraception issues;
5. Teach to provide pre-medical care for emergency conditions in obstetrics and gynecology.

### **Justification:**

Organization of women's health protection in the Republic of Kazakhstan. Help in emergency situations should be a doctor of any specialty, this is especially important in obstetrics, where the life of the mother and fetus depends on the speed and skill of the doctor. Treatment of dental diseases, taking into account the obstetric and gynecological status in the presence of concomitant obstetric and gynecological pathology; emergency care for pregnant women, women in labor, women in labor.

The role of the dentist in the prevention of dental diseases in women, the influence of the course of pregnancy and childbirth on the development of pathology of the dental system in children. Odontogenic infection in the development of purulent-septic complications in pregnant women and postpartum women. Critical periods of pregnancy, stages of development of the embryo/fetus; changes that occur in the body of a woman during pregnancy. Complicated course of pregnancy (early toxicosis, gestosis, anemia, infection)

### **Learning outcomes (competencies)**

- 1) Knowledge and understanding:
  - demonstrates knowledge of the subject and tasks of obstetrics and gynecology;
- 2) Applying knowledge and understanding
  - knows the methods of research and primary care in obstetrics and gynecology;

- has the skills of medical examination and prevention of pathology in obstetrics and gynecology ;
  - 3) Formation of judgments
    - uses the acquired knowledge to understand the features of etiopathogenesis, clinic, complications and extragenital diseases during pregnancy;
    - applies the theoretical knowledge gained in midwifery for further study at the internship level;
  - 4) Communication skills
    - demonstrates communication skills when interacting with different people in different obstetric situations;
    - demonstrates professional behavior – responsibility, productivity, self-esteem, reflection;
  - 5) Learning skills or learning abilities
    - demonstrates readiness and ability to acquire new knowledge;
- Prerequisites: Anatomy, physiology, and pathology.  
Post-requirements: Nursing care in obstetrics and gynecology

## Literature

basic:

1. Bodyazhina I. I. Obstetrics: textbook 1,2,3 Vol.- Evero, 2015
2. management of Obstetrics and gynecology for paramedics and obstetricians: Ed. V. N. Prilepskoy, V. E. Radzinsky. Moscow, 2007. - 688 P.
3. Radzinsky V. E. Obstetrics: textbook + CD. Moscow, 2008-904 P.
4. Gynecology: textbook /L. N. Vasilevskaya [and doctor].] 6-E izd. - Rostov B/D, 2007

additional:

1. urgent assistance in obstetrics and gynecology: management / Ed. "What's The Matter?" - 2nd ed., ISPR. and the ball. Moscow: GEOTAR-media, 2011.
2. Kailyubayeva G. zh. physiology of pregnancy. Dorodovoy care : educational and methodological support / G. zh. Kailyubayeva, G. N. Baimusanova; MZ RK-2-OE izdaniye-Karaganda: AKNUR, 2019. - 132 H

1. **Department: Infectious diseases and dermatovenerology**
2. **Level of training 6B10103 bachelor**
3. **Specialty:6B10103- «Dentistry»**
4. **Course: 4**
5. **Name of elective discipline: Especially dangerous infections**
6. **Number of credits: 5 credits**
7. **Purpose:** to acquire students in-depth systematic theoretical knowledge and professional skills in the field of early and differential diagnosis, clinic, treatment and prevention of HIV infection.
8. **Tasks:**
  - teaching students the basic principles of treatment and diagnosis of HIV infection;
  - study of the principles of HIV prevention.
9. **Rationale for the choice of discipline:**

Infection caused by human immunodeficiency virus (HIV) – a chronic infectious disease, the pathogen is transmitted by contact. The disease is characterized by damage to the human immune system, and the development of acquired immunodeficiency syndrome (AIDS) and secondary lesions from subacute encephalitis to death. In the history of medicine there was no such infection, which would simultaneously cover five continents, had a high tendency of growth. Specialists currently number about 50 million people living with HIV. Since the end of the twentieth century and the beginning of the XXI century their number has increased 10-20 times.  
Students need to know the diagnosis, treatment and prevention of HIV infection.
10. **Learning outcomes (competencies)**

Knowledge (cognitive sphere)	Skills & perks (psychomotor sphere)	Personal and professional competences (relations)
<p><b>know:</b></p> <ul style="list-style-type: none"> <li>- features of examination of an infectious patient</li> <li>– HIV infection: etiology, epidemiology, pathogenesis.</li> <li>–HIV infection: clinical manifestations, diagnosis and treatment principles.</li> <li>– The principles of HIV prevention</li> </ul>	<p><b>an:</b></p> <ul style="list-style-type: none"> <li>– the basic principles of working with infected patients in bed at the infectious diseases hospital,</li> <li>–establish a maximum level of trust with the patient, the patient's nannies, the patient's relatives and other health care professionals,</li> <li>– examination of HIV-infected patients,</li> <li>– selection of laboratory and instrumental diagnostic methods and interpretation of results,</li> <li>– antiviral drugs used in the treatment of HIV infection, make a treatment plan.</li> <li>•own skills: <ul style="list-style-type: none"> <li>- clinical diagnosis of HIV infection.</li> </ul> </li> <li>– Interpretation of laboratory tests for HIV infection: General clinical, biochemical blood test, proteinogram, immunogram, coagulogram, ELISA analysis and PCR diagnosis;</li> <li>– the treatment of HIV infection;</li> <li>– the organization of preventive measures against HIV-infection</li> </ul>	<p><b>General cultural (GC):</b></p> <ul style="list-style-type: none"> <li>-ability to abstract thinking, analysis, synthesis- (Gc-1);</li> </ul> <p>- <b>General professional competence( GPC):</b></p> <ul style="list-style-type: none"> <li>- ability to assess morphological and functional, physiological States and pathological processes in the human body to solve professional problems (GPC-9);</li> </ul> <p>- <b>professional competence( PC):</b> readiness to collect and analyze the patient's complaints, his / her medical history, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease; ability to determine the tactics of management of patients with different nosological forms.</p>

**12. Prerequisites:** Basics of morphology and physiology, introduction to the clinic, microbiology and immunology, basics of internal diseases, basics of childhood diseases.

**13. Postrequisites:** Internship in general medical practice.

#### 14. Literature:

1. Dr. M. Estee Torok, Dr. Ed Moran, Dr. Fiona J. Cooke. Oxford Handbook of Infectious Diseases and Microbiology. 2017
2. Абуова Г.Н. Жұқпалы аурулардың синдромдық дифференциялық диагнозы : оқулық - Шымкент , 2017.-500 экз.
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6. Электронная библиотечная система «Консультант студента» Электронная библиотека медицинского вуза: [Электронный ресурс]. – М.: Издательская группа «ГЭОТАР-Медиа», 2015. – Режим доступа: <http://www.studmedlib.ru> – карты индивидуального доступа.
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8. Справочная правовая система КонсультантПлюс [Электронный ресурс] / ООО «Компания ЛАД-ДВА». – М., 2015. – Режим доступа: <http://www.consultant.ru> через IP-адрес академии.
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- Консорциум «Кодекс», 2015. – Режим доступа: сетевой офисный вариант по IP-адресу академии.
10. Консультант врача. Электронная медицинская библиотека [Электронный ресурс]/ООО ГК «ГЭОТАР». – М., 2015. – Режим доступа: <http://www.rosmedlib.ru> в Научной библиотеке КемГМА – через IP-адрес академии.
  11. Амиреев С.А. Стандарты и алгоритмы мероприятий при инфекционных болезнях 1-2 том: практическое руководство. –Эверо, 2014.
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  20. Санитарные правила, санитарные правила и нормы.

## **1. Department of Obstetrics and Gynecology**

### **2. Level of training-Bachelor**

### **3. Educational program-6B10103 " Dentistry»**

### **4. Course – 4, number of credits-3, number of hours-90.**

### **5. Name of elective discipline-Obstetrics and Gynecology**

#### **Goal:**

Formation of competencies for the diagnosis, treatment and prevention of dental diseases during pregnancy and in the postpartum period, taking into account the peculiarities of the course of physiological and pathological pregnancy, the postpartum period and the lactation period; with frequent gynecological diseases; training in the basics of practical skills used in obstetrics and gynecology, including emergency conditions. Improve communication skills of interpersonal communication and counseling of pregnant women, postpartum patients and gynecological patients.

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**Justification:**

Organization of women's health protection in the Republic of Kazakhstan. Help in emergency situations should be a doctor of any specialty, this is especially important in obstetrics, where the life of the mother and fetus depends on the speed and skill of the doctor. Treatment of dental diseases, taking into account the obstetric and gynecological status in the presence of concomitant obstetric and gynecological pathology; emergency care for pregnant women, women in labor, women in labor.

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## 2) Applying knowledge and understanding

- knows the methods of research and primary care in obstetrics and gynecology;

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- demonstrates readiness and ability to acquire new knowledge;

Prerequisites: Anatomy, physiology, and pathology.

Post-requirements: Nursing care in obstetrics and gynecology

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1. **Department: Infectious diseases and dermatovenerology**
2. **Level of training 6B10103 bachelor**
3. **Specialty: 6B10103-«Dentistry»**
4. **Course: 4**
5. **Name of elective discipline: Especially dangerous infections**
6. **Number of credits: 5 credits**

**7. Purpose:** to acquire students in-depth systematic theoretical knowledge and professional skills in the field of early and differential diagnosis, clinic, treatment and prevention of HIV infection.

**8. Tasks:**

- teaching students the basic principles of treatment and diagnosis of HIV infection;
- study of the principles of HIV prevention.

**9. Rationale for the choice of discipline:**

Infection caused by human immunodeficiency virus (HIV) – a chronic infectious disease, the pathogen is transmitted by contact. The disease is characterized by damage to the human immune system, and the development of acquired immunodeficiency syndrome (AIDS) and secondary lesions from subacute encephalitis to death. In the history of medicine there was no such infection, which would simultaneously cover five continents, had a high tendency of growth. Specialists currently number about 50 million people living with HIV. Since the end of the twentieth century and the beginning of the XXI century their number has increased 10-20 times.

Students need to know the diagnosis, treatment and prevention of HIV infection.

**10. Learning outcomes (competencies)**

<b>Knowledge (cognitive sphere)</b>	<b>Skills &amp; perks (psychomotor sphere)</b>	<b>Personal and professional competences (relations)</b>
<p><b>know:</b></p> <ul style="list-style-type: none"> <li>- features of examination of an infectious patient</li> <li>– HIV infection: etiology, epidemiology, pathogenesis.</li> <li>–HIV infection: clinical manifestations, diagnosis and treatment principles.</li> <li>– The principles of HIV prevention</li> </ul>	<p><b>an:</b></p> <ul style="list-style-type: none"> <li>– the basic principles of working with infected patients in bed at the infectious diseases hospital,</li> <li>–establish a maximum level of trust with the patient, the patient's nannies, the patient's relatives and other health care professionals,</li> <li>– examination of HIV-infected patients,</li> <li>– selection of laboratory and instrumental diagnostic methods and interpretation of results,</li> <li>– antiviral drugs used in the treatment of HIV infection, make a treatment plan.</li> <li>•own skills: <ul style="list-style-type: none"> <li>- clinical diagnosis of HIV infection.</li> </ul> </li> <li>– Interpretation of laboratory tests for HIV infection: General clinical, biochemical blood test, proteinogram, immunogram, coagulogram, ELISA analysis and PCR diagnosis;</li> <li>– the treatment of HIV infection;</li> <li>– the organization of preventive measures against HIV-infection</li> </ul>	<p><b>General cultural (GC):</b></p> <ul style="list-style-type: none"> <li>-ability to abstract thinking, analysis, synthesis- (Gc-1);</li> </ul> <p><b>General professional competence( GPC):</b></p> <ul style="list-style-type: none"> <li>- ability to assess morphological and functional, physiological States and pathological processes in the human body to solve professional problems (GPC-9);</li> </ul> <p><b>professional competence( PC):</b> readiness to collect and analyze the patient's complaints, his / her medical history, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease; ability to determine the tactics of management of patients with different nosological forms.</p>

**12. Prerequisites:** Basics of morphology and physiology, introduction to the clinic, microbiology and immunology, basics of internal diseases, basics of childhood diseases.

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26. Электронная библиотечная система «Консультант студента» Электронная библиотека медицинского вуза: [Электронный ресурс]. – М.: Издательская группа «ГЭОТАР-Медиа», 2015. – Режим доступа: <http://www.studmedlib.ru> – карты индивидуального доступа.
27. Электронная библиотечная система «Национальный цифровой ресурс «Руконт» /ИТС «Контекстум» [Электронный ресурс]. – М.: Консорциум «Контекстум»,2015. – Режим доступа:<http://www.rucont.ru> через IP-адрес академии.
28. Справочная правовая система КонсультантПлюс [Электронный ресурс] / ООО «Компания ЛАД-ДВА». – М., 2015. – Режим доступа: <http://www.consultant.ru> через IP-адрес академии.
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