

Catalog of elective subjects

1. Department of Obstetrics and Gynecology

2. Level of training-Bachelor

3. Educational program-6B10102 «Pediatrics»

4. Course – 4, number of credits-5, number of hours-150.

5. Name of elective discipline-Obstetrics

Goal:

Obstetrics is a fundamental branch of clinical medicine. Protection of reproductive health, management of pregnancy, childbirth and the postpartum period is the main task of this discipline. A qualitative indicator of the work of any maternity service is the reduction of maternal and perinatal morbidity and mortality. In the diagnosis and treatment of obstetric complications at the present stage, it requires the mandatory use of clinical protocols in this specialty. Competencies in this area are mandatory for a graduate of the Faculty of General Medicine, who must know the clinical and physiological characteristics of the female body in different age periods, be able to carry out not only therapeutic and diagnostic, but also preventive measures of physiological and pathological obstetrics.

The content of the discipline:

Formation of knowledge, skills and abilities in the diagnosis and management of pregnancy, childbirth and the postpartum period, primary health care and prevention of common obstetric pathology, training in the basics of practical skills of normal and pathological obstetrics and perinatology.

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 diseases, taking into account the obstetric and gynecological status in the presence of concomitant obstetric pathology; emergency care for pregnant women, women in labor, women in labor.

The role of the doctor in the prevention of diseases in women, the influence of the course of pregnancy and childbirth. 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 of Obstetrics and Gynecology

2. Level of training-Bachelor

3. Educational program-6B10102 «Pediatrics»

4. Course – 4, number of credits-5, number of hours-150.

5. Name of elective discipline- Pediatric gynecology

Goal:

Formation of competencies for the diagnosis and management of patients with gynecological diseases, provision of primary medical care and prevention of common gynecological pathologies, training in the basics of practical skills used in gynecology. To improve the communication skills of interpersonal communication and counseling of patients with gynecological pathology.

The content of the discipline:

Neuroendocrine regulation of the menstrual cycle. Methods of examination of a gynecological patient with an assessment of the specific functions of the female reproductive system and the functions of organs related to sexual organs in anatomical and functional relations. Functional diagnostic tests. Screening methods. Classification, clinic, modern methods of diagnosis and principles of treatment of gynecological diseases.

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. Formation of competencies for the diagnosis and management of patients with gynecological diseases, provision of primary medical care and prevention of common gynecological pathologies, training in the basics of practical skills used in gynecology. To improve the communication skills of interpersonal communication and counseling of patients with gynecological pathology.

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. Prilepsky, 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: Microbiology, Virology and Immunology**
- 2. Level of training: Bachelor's degree**
- 3. Specialty: "Pediatrics"**
- 4. Course: 5**
- 5. Name of the elective discipline: "Vaccinoprophylaxis"**

6. Number of credits: 4 credits (120 hours)

7. Purpose: to acquaint students with modern scientific developments on immunity against infection, description of immunobiological preparations included in the vaccination calendar, storage and transportation of vaccines, organization of vaccination, epidemiological supervision of vaccination prevention and legal issues of vaccination. Analysis and presentation of medical information based on evidence-based medicine, participation in scientific research, development of the ability to introduce new methods aimed at preserving public health.

8. Tasks:

- Study of the patterns of formation of the body's resistance to infectious diseases (immunity).
- Development and improvement of methods of serological and allergic diagnostics of infectious diseases.
- Development and application of biological products (vaccines, immune serums, gammaglobulins for specific prevention and treatment of human infectious diseases).

9. The content of the discipline. Types of vaccines. Classification of vaccines. Development of immunological drugs. Sources of infection. Mechanisms of transmission of infection. National vaccination calendars. Compatibility of vaccines. Immunological preparations used for vaccine prophylaxis in excess of the National Calendar of preventive vaccinations. The algorithm of action during vaccination. Contraindications and adverse events during vaccination. The rights and obligations of citizens of the Republic of Kazakhstan in the field of immunoprophylaxis. Registration, investigation and prevention of post-vaccination complications. Recommendations for emergency immunoprophylaxis. Vaccination according to epidemic indications.

10. Justification of the choice of discipline:

Vaccination is a system of measures carried out in order to prevent, limit the spread and eliminate infectious diseases through preventive vaccinations. In the territory of the Republic of Kazakhstan, all vaccinations are carried out in accordance with the national calendar of preventive vaccinations. The national calendar of preventive vaccinations is a scheme of mandatory vaccinations carried out at a certain age for children and adults, which allows the most complete protection of a person from infection. Every year, the resistance of infectious agents to antibacterial drugs and other medicines increases, and therefore treatment becomes difficult. Many infections occur at lightning speed and can lead to death or disability. According to the World Health Organization, more than 12 million children die worldwide every year, 2/3 of these deaths are caused by diseases that could be prevented with vaccines.

11. Learning outcomes (competencies):

LO 1	Applies in practice knowledge in the field of biomedical, clinical, epidemiological and socio-behavioral sciences, including generally accepted, developing and constantly updated knowledge for diagnosis, treatment, and dynamic monitoring of the most common diseases in children.
LO 7	Implements and controls vaccine prophylaxis, conducts preventive and wellness activities, examination of children and adolescents, rehabilitation programs
LO 11	He is proficient in information technology, effectively uses information in the field of healthcare to introduce new approaches within the framework of his qualifications.

12. Prerequisites: the structural organization of human physiological processes, microbiology and immunology.

13. Details: infectious diseases with clinical immunology and microbiology.

14. Literature:

1. General Immunology: Okula. Seitkhanova B.T. Almaty: Evero 2014. – 160 P.
2. Medalyk microbiology, virology and immunology : okulyk. Volume 2. Volume 1 / kazaktilin Auy. I. Kudaibergenuly; edited by V. V. Zverev. - M. : GEOTAR - Media, 2016. – 416 p.
3. Medalyk microbiology, virology and immunology: okulyk. Volume 2. In 2 volumes / Kazakh. til. aud. I. Kudaibergenuly. - M. : GEOTAR - Media, 2016. - 480 P.
4. General Immunology: Okulyk / A.A. Shortanbaev, S.V. Kozhanova. - Almaty, 2008. – B. 452

5. Klimov V.V. Fundamentals of immunology: a textbook. Tomsk: SibSMU Publishing House, 2017. 169 P.

6. Khaitov.M., Ignatiev G.A. I. Sidorovich.G. X19 Immunology: Textbook. — M.: Medicine, 2000. - 432 p.

7. L. K. Reshetnikova. Immunology. - Blagoveshchensk, 2019. 176 P.

1. Department: Microbiology, Virology and Immunology

2. Level of training: Bachelor's degree

3. Specialty: 6B10102 "Pediatrics"

4. Course: 5

5. Name of the elective discipline: "Vaccinoprophylaxis"

6. Number of credits: 4 credits (120 hours)

7. Purpose: to acquaint students with modern scientific developments on immunity against infection, description of immunobiological preparations included in the vaccination calendar, storage and transportation of vaccines, organization of vaccination, epidemiological supervision of vaccination prevention and legal issues of vaccination. Analysis and presentation of medical information based on evidence-based medicine, participation in scientific research, development of the ability to introduce new methods aimed at preserving public health.

8. Objectives:

- To study the patterns of formation of the body's resistance to infectious diseases (immunity).
- Development and improvement of methods of serological and allergic diagnostics of infectious diseases.
- Development and application of biological products (vaccines, immune serums, gammaglobulins for specific prevention and treatment of human infectious diseases)

9. The content of the discipline. Types of vaccines. Classification of vaccines. Development of immunological drugs. Sources of infection. Mechanisms of transmission of infection. National vaccination calendars. Compatibility of vaccines. Immunological preparations used for vaccine prophylaxis in excess of the National Calendar of preventive vaccinations. The algorithm of action during vaccination. Contraindications and adverse events during vaccination. The rights and obligations of citizens of the Republic of Kazakhstan in the field of immunoprophylaxis. Registration, investigation and prevention of post-vaccination complications. Recommendations for emergency immunoprophylaxis. Vaccination according to epidemic indications.

10. Justification of the choice of discipline:

Vaccination is a system of measures carried out in order to prevent, limit the spread and eliminate infectious diseases through preventive vaccinations. In the territory of the Republic of Kazakhstan, all vaccinations are carried out in accordance with the national calendar of preventive vaccinations. The national calendar of preventive vaccinations is a scheme of mandatory vaccinations carried out at a certain age for children and adults, which allows the most complete protection of a person from infection. Every year, the resistance of infectious agents to antibacterial drugs and other medicines increases, and therefore treatment becomes difficult. Many infections occur at lightning speed and can lead to death or disability. According to the World Health Organization, more than 12 million children die worldwide every year, 2/3 of these deaths are caused by diseases that could be prevented with vaccines.

11. Learning outcomes (competencies):

- LO 1:** organizing conditions for effective and safe vaccination;
- LO 2:** understanding the need for vaccination and the legal basis for vaccine prevention;
- LO 3:** mastery of methods for long-term planning and processing of results in the field of vaccine prevention;
- LO 4:** mastering the skill of analytical generalization and data analysis from the perspective of evidence-based medicine.

12. Prerequisites: the structural organization of human physiological processes, microbiology and immunology.

13. Details: infectious diseases with clinical immunology and microbiology.

14. Literature:

1. General Immunology: Okula. Seitkhanova B.T. Almaty: Evero 2014. – 160 P.
2. Medalyk microbiology, virology and immunology : okulyk. Volume 2. Volume 1 / kazakhtilin AuyI. I. Kudaibergenuly; edited by V. V. Zverev. - M. : GEOTAR - Media, 2016. – 416 p.
3. Medalyk microbiology, virology and immunology: okulyk. Volume 2. In 2 volumes / Kazakh. til. aud. I. Kudaibergenuly. - M. : GEOTAR - Media, 2016. - 480 P.
4. General Immunology: Okulyk / A.A. Shortanbaev, S.V. Kozhanova. - Almaty, 2008. – B. 452
5. Klimov V.V. Fundamentals of immunology: a textbook. Tomsk: SibSMU Publishing House, 2017. 169 P.
6. Khaitov.M., Ignatiev G.A. I. Sidorovich.G. X19 Immunology: Textbook. — M.: Medicine, 2000. - 432 p.
7. L. K. Reshetnikova. Immunology. - Blagoveshchensk, 2019. 176 P.

1. Department: pharmacology, pharmacotherapy and clinical pharmacology

2. Level of preparation: bachelor's degree

3. Educational program: “Pediatrics”

4. Course: 5

5. Name of elective discipline: Clinical pharmacology

6. Number of credits: 4

7. Purpose: to develop clinical thinking skills in students, choice of medications in adults and children for major syndromes of internal diseases.

8. Contents of the discipline: Clinical pharmacology is a medical discipline that scientifically studies the effects of drugs on the human body in order to improve the effectiveness and safety of the clinical use of drugs. The main sections of clinical pharmacology are pharmacodynamics - the study of the totality of the effects of a medicinal substance and the mechanisms of its action, and pharmacokinetics - the study of the routes of administration, distribution, biotransformation and excretion of drugs from the body. Studies side effects, features of the action of medicinal substances depending on gender, age, and the interaction of drugs when used together.

9. Tasks:

- teach the dosage regimen of medications, taking into account the individual characteristics of children;
- teach how to predict the side effects of drugs, taking into account individual characteristics in children;
- teach to assess possible drug interactions taking into account individual characteristics in children;

10. Justification for choosing the discipline: Clinical pharmacology is a science that studies the interaction of drugs with the body of a healthy and sick person, develops principles and methods for studying the action of pharmacological drugs in a clinical setting and is the scientific basis of pharmacotherapy. Knowledge of clinical pharmacology is absolutely necessary for a physician due to the need to use the principles of effective and safe drug selection.

11. Learning outcomes:

Knowledge (cognitive sphere)	Skills and abilities (psychomotor area)	Personalities and professional competencies (attitudes)
- Knows the features of pharmacokinetics and pharmacodynamics of drugs and methods for assessing the quality of life of a particular patient.	- Able to select the most effective and safe medications, taking into account age aspects and the condition of patients, determine the optimal dosage regimen; - Knows how to choose the dosage form of the drug, dose,	- communicates own knowledge, judgment and skills about the principles of communication with patients (adults and children) in clinical practice. - is able to communicate

<ul style="list-style-type: none"> - Knows the risk factors and clinical manifestations of major adverse drug reactions. - Knows the basic principles of dosing medications depending on the pathological and physiological parameters of the human body; - Knows possible drug interactions. - Knows clinical recommendations (treatment protocols) regarding the provision of medical care to the population • - 	<p>frequency and duration of administration of the drug.</p> <ul style="list-style-type: none"> - Can monitor and predict the risk of developing side effects of drugs; - Able to prevent and apply correction methods when they occur; - Knows clinical protocols for diagnosing and treating diseases. - Able to analyze the effect of drugs based on the totality of their pharmacological effects on the body. 	<p>information, ideas, problems and solutions to both specialists and non-specialists.</p> <ul style="list-style-type: none"> - the formulary list is justified based on the treatment protocol. - knows how to use types of literature (educational, scientific, reference) and computer databases on clinical pharmacology and evidence-based medicine - develops a treatment plan for children taking into account the clinical picture.
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12. Prerequisites: Pharmacology-1, Pharmacology-2

13. Postrequisites: General medical practice-1, General medical practice-2

14. Literature:

Main

1. Калиева, Ш. С. Клиническая фармакология и рациональная фармакотерапия. Том 1: учебник / Ш. С. Калиева., Н. А. Минакова . - Алматы : Эверо, 2016. - 460
2. Калиева, Ш. С. Клиническая фармакология и рациональная фармакотерапия. Том 2: учебник / Ш. С. Калиева, Н. А. Симохина. - Алматы :Эверо, 2016. - 288 с.
3. Гринхальх Т. Дәлелді медицина негіздері: оқулық: аударма ағылшын тілінен/ жауапты ред. Г.С. Кемелова; қазақ тіліне ауд. Т.К.Сағадатова. –М.: ГЭОТАР- Медиа, 2014
4. Құлмағамбетов, И. Р. Клиникалық фармакология. 1-бөлім: оқу құралы / И. Р. Құлмағамбетов. - Алматы : Эверо, 2014. - 320 бет. с.
5. Құлмағамбетов, И. Р. Клиникалық фармакология. II-бөлім: оқу құралы / И. Р. Құлмағамбетов. - Алматы : Эверо, 2014. - 392 бет. с.

Additional:

1. Рациональная фармакотерапия в онкологии: рук. для практикующих врачей/ под ред. М.И.Давыдова, В.А.Горбунова. – М.: ГЭОТАР- Медиа, 2015. -844с.
2. Дәріс кешені- Дәрілерді тиімді пайдалану пәні бойынша: дәріс кешені / фармакология, фармакотерапия және клиникалық фармакология кафедрасы. - Шымкент : ОҚМФА, 2016. - 65 бет. с.

Electronic:

1. Петров, В. И. Клиническая фармакология и фармакотерапия в реальной врачебной практике мастер- класс [Электронный ресурс] : учебник / В. И. Петров. - Электрон. текстовые дан. (63,5 МБ). - М. : Издательская группа "ГЭОТАР- Медиа", 2015. - 880 с. эл. опт. диск (CD-ROM).
- 2.. Консультант врача. Клиническая фармакология. Версия 1.1 [Электронный ресурс] : руководство. - Электрон. текстовые дан. (132 Мб). - М. : Издательская группа "ГЭОТАР- Медиа", 2015. - эл. опт. диск (CD-ROM).

1. **Department:** emergency medicine and nursing

2. **Level of training:** bachelor course

3. **EP:**« Pediatrics»

4. **Course:** 5

5. **Name of elective discipline:** Emergency medical care -1

6. **Number of credits:** 5

7. **The purpose of the discipline:** to stimulate the student's interests in integrated clinical thinking, the formation and consolidation of stable knowledge, skills and abilities in the most common emergency conditions in accordance with modern principles of evidence-based medicine.

8. **Tasks of the discipline:**

- Train to demonstrate knowledge and understanding of biomedical sciences for the diagnosis, treatment and dynamic observation of the most common diseases of adults and children.
- Consolidate the ability to provide emergency and emergency qualified care of the basic category of complexity to patients of adult and child age.
- To teach effective use of information and information technologies in the field of medicine.

9. **Content of the discipline:**

The subject, tasks, scope and basic principles of emergency medical care. Regulatory legal acts of emergency medical care. Methods of clinical examination of the patient and diagnosis of emergency conditions at the prehospital stage. Terminal states. Basic cardiopulmonary resuscitation - (VLS). Advanced Cardiopulmonary Resuscitation - (ACLS). Emergency medical care for cardiological, pulmonological, endocrinological, patients.

10. **Justification of the choice of discipline:**

According to the World Health Organization, every fifth victim of extreme situations dies due to the fact that people nearby did not provide emergency medical care or provided it incorrectly. Therefore, improving the quality of medical care for suddenly ill and injured people is possible only through the full use of the possibilities of all stages of medical care. The effectiveness of emergency medical care can be achieved only on the basis of a deep understanding of the changes that occur in the body of a sick or injured person and the clinical manifestations of pathological conditions, knowledge of the basic principles of diagnosing life-threatening emergency conditions and the rules of emergency medical care.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
It can differentiate the clinic and provide emergency medical care for acute respiratory failure, bleeding, acute heart failure syndrome, animal and insect bites, thermal burns, convulsions in children.	Adheres to the norms of medical ethics and morality in every kind of professional communication.	Able to build personal, professional and collective relationships.
Knows the principles of the impact of physical, mental and social factors on various human organs and systems in extreme conditions	Able to receive the necessary medical information about a patient in need of emergency medical care	Может решить проблему поиска данных;
Knows medical accounting and reporting documentation, regulatory and legal documentation of the ambulance station.	Knows the equipment, structure, organizational work of the ambulance service, the specifics of the work of the ambulance organization, including specialized.	The student is ready to develop personally and professionally.

11. **Prerequisites:** Fundamentals of internal diseases

12. **Post-requirements:** Emergency medical care -2

13. **Literature**

Main:

1. Государственная программа развития здравоохранения Республики Казахстан «Денсаулық» на 2021-2024 годы
2. Приказ МЗ РК от 30 ноября 2020 года № 225 «Об утверждении Правил оказания скорой медицинской помощи в Республике Казахстан».

3. Верткин А., Свешников К. Руководство по скорой медицинской помощи. Москва. - Издательство Э. - 2017. - 560 с.
4. Неотложная помощь в терапевтической клинике. Под ред. А.В. Гордиенко. – СпецЛит. – 2017. – 229 с.
5. Неотложная амбулаторно-поликлиническая кардиология: краткое руководство / В. В. Руксин. - 2-е изд. - Москва : ГЭОТАР-Медиа, 2016.- 255 с
6. Скорая медицинская помощь. Клинические рекомендации. Под ред. С.Ф. Багненко. - ГЭОТАР-Медиа. – 2018. – 896 с.

Additional:

1. Неотложная кардиология. Под ред. П.П. Огурцова, В.Е. Дворникова. - ГЭОТАР-Медиа. – 2016. – 272 с.
- 2 Мкртумян А.М., Нелаева А.А. Неотложная эндокринология. - ГЭОТАР-Медиа. – 2018. – 128 с.
3. Клинический протокол диагностики и лечения «Астматический статус». Одобрено Объединенной комиссией по качеству медицинских услуг МЗ РК от «23» июня 2016 года. Протокол №5.
4. Клинический протокол диагностики и лечения «Асфиксия». Одобрено Объединенной комиссией по качеству медицинских услуг МЗ РК от «23» июня 2016 года. Протокол №5.
5. Клинический протокол диагностики и лечения «Внезапная смерть». Одобрено Объединенной комиссией по качеству медицинских услуг МЗиСР РК от «23» июня 2016 года. Протокол №5.

1. Department: emergency medicine and nursing

2.Level of training: bachelor course

3.EP:« Pediatrics»

4. Course: 5

5. Name of elective discipline: Emergency medical care -2

6. Number of credits: 5

7. The purpose of the discipline: to form a student's comprehensive knowledge, skills and abilities to provide emergency medical care.

8. Tasks of the discipline:

- To train and familiarize with standard operating procedures for emergency medical care, the main symptoms and syndromes of emergency conditions.
- To train to conduct an initial assessment of the patient's condition (ABCDE algorithm), to choose the right tactics of care.
- Train to search for information on the provision of emergency medical care in the evidence-based medicine database

9. Content of the discipline:

The subject, tasks, scope and basic principles of emergency medical care.

Regulatory legal acts of emergency medical care. Methods of clinical examination of the patient and diagnosis of emergency conditions at the prehospital stage. Urgent conditions in the practice of infectious, neurological, psychiatric, surgical, urological, obstetric-gynecological and pediatric pathologies.

10. Justification of the choice of discipline: the discipline «Emergency medical care-2» helps students to master the necessary knowledge in the provision of emergency medical care, as well as in solving practical tasks based on a competency-based approach: during the assessment of the current condition of the victim in various emergency situations; when identifying the main factors threatening his life; when predicting the consequences of one or the other other effects on the body; when carrying out primary measures aimed at increasing the probability of survival of the victim or reducing the risk of complications that threaten his health.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
Can differentiate the clinic of surgical, urological, oncological, infectious, nervous, mental,	Adheres to the norms of medical ethics and morality in	Able to build personal, professional and collective relationships.

pediatric, ocular, obstetric and gynecological diseases, distinguishes the main symptoms and syndromes of emergency conditions common in clinical practice of emergencies, catastrophes.	every kind of professional communication.	
Knows the principles of the impact of physical, mental and social factors on various human organs and systems in extreme conditions	Able to receive the necessary medical information about a patient in need of emergency medical care.	Can solve the problem of data retrieval.
Knows medical accounting and reporting documentation, regulatory and legal documentation of the ambulance station.	Knows the equipment, structure, organizational work of the ambulance service, the specifics of the work of the ambulance organization, including specialized.	Ready to develop personally and professionally.

11. Prerequisites: Neurology, psychiatry and narcology, infectious diseases, children's infectious diseases, traumatology, fundamentals of surgical diseases, obstetrics, gynecology, fundamentals of children's diseases.

12. Post-requirements: internship disciplines

13. Literature

Main:

1. Государственная программа развития здравоохранения Республики Казахстан «Денсаулық» на 2021-2024 годы
2. Приказ МЗ РК от 30 ноября 2020 года № 225 «Об утверждении Правил оказания скорой медицинской помощи в Республике Казахстан».
3. Верткин А., Свешников К. Руководство по скорой медицинской помощи. Москва. - Издательство Э. – 2017. – 560 с.
4. Неотложная помощь в терапевтической клинике. Под ред. А.В. Гордиенко. – СпецЛит. – 2017. – 229 с.
5. Неотложная амбулаторно-поликлиническая кардиология: краткое руководство / В. В. Руксин. - 2-е изд. - Москва : ГЭОТАР-Медиа, 2016.- 255 с
6. Скорая медицинская помощь. Клинические рекомендации. Под ред. С.Ф. Багненко. - ГЭОТАР-Медиа. – 2018. – 896 с.

Additional:

1. Скорая медицинская помощь. Клинические рекомендации. Под ред. С.Ф. Багненко. - ГЭОТАР-Медиа. – 2018. – 896 с.
2. Клинический протокол диагностики и лечения «Ишемический инсульт». Одобрено Объединенной комиссией по качеству медицинских услуг МЗ РК от «27» декабря 2016 года. Протокол №18.
3. Клинический протокол диагностики и лечения «Внутричерепное кровоизлияние». Одобрено Объединенной комиссией по качеству медицинских услуг МЗ РК от «25» мая 2017 года. Протокол №22.
4. Организация оказания скорой медицинской помощи вне медицинской организации. Методические рекомендации / С.Ф.Багненко, А.Г.Мирошниченко, И.П.Миннуллин, Н.Ф.Плавунов [и др.]. СПб.: [б. и.], 2015. - 46 с
5. Скорая медицинская помощь. Клинические рекомендации / под ред.: С.Ф. Багненко. - М.: [б. и.], 2015. -871 с.
6. Основы помощи при обширной травме: справочное издание: Д. Скиннер, П. Дрисколл 4-издание, 2018 МККК
7. Неотложная помощь у детей: справочник: пер. с нем. / - М. : Медпресс-информ, 2014.

- 1. Department of Obstetrics and Gynecology**
- 2. Level of training-Bachelor**
- 3. Educational program-6B10102 «Pediatrics»**
- 4. Course – 4, number of credits-5, number of hours-150.**
- 5. Name of elective discipline- Pediatric gynecology**

Goal:

Formation of competencies for the diagnosis and management of patients with gynecological diseases, provision of primary medical care and prevention of common gynecological pathologies, training in the basics of practical skills used in gynecology. To improve the communication skills of interpersonal communication and counseling of patients with gynecological pathology.

The content of the discipline:

Neuroendocrine regulation of the menstrual cycle. Methods of examination of a gynecological patient with an assessment of the specific functions of the female reproductive system and the functions of organs related to sexual organs in anatomical and functional relations. Functional diagnostic tests. Screening methods. Classification, clinic, modern methods of diagnosis and principles of treatment of gynecological diseases.

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. Formation of competencies for the diagnosis and management of patients with gynecological diseases, provision of primary medical care and prevention of common gynecological pathologies, training in the basics of practical skills used in gynecology. To improve the communication skills of interpersonal communication and counseling of patients with gynecological pathology.

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. Prilepsky, 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