OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ Оңтүстік Қазақстан медицина академиясы» АҚ	The Skills of Squiry
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Working curriculum of the discipline "Clinical electrocardiography"	Стр. 1 из 23

SYLLABUS Working curriculum of the discipline "Clinical electrocardiography", 6th year, internship Educational program 6B10120 - «Therapy»

15	General information	ation about the discipline	111.	1. 3/2, 33. 60, 1/4 1 3.76
1.1	Discipline code: - 6313	1.6	Ac	ademic year: 2025 - 2026
1.2	Course name: Clinical electrocardiography	1.7	Co	urses: 6
1.3	Prerequisites: internal medicine 1, internal medicine 2	1.8	Ser	mester: 12
1.4	Postrequisites: residency disciplines	1.9	Nu	mber of credits (ECTS): 4
1.5	Cycle: PD	1,10	Co	mponent: EC
2.0		ipline (maximum 50 words)	St. Mic	Je My A Sh Wo So
pathologic	knowledge and skills in ECG diagnostics of heart diseases; analysis of normal parameteral conditions: myocardial infarction, myocardial ischemia, various arrhythmias, rediographic examinations in adults; effective patient interaction; questions regarding the reference to the comments of the comments o	myocarditis, overload and hypertro	ophy of the	he heart, etc. Pharmacological tests durin
3.1	Testing	e Assessment Fulli	3.5	Coursework
3.2	Writing +	19. 19 34 49. 60	3.6	Essay
3.3	Oral	6, 11, 15, 54, 79.	3.7	Project
3.4	Assessment of practical skills +		3.8	Other (specify)
3. 4		es of the discipline	3.0	Other (specify)
	op in interns the knowledge, skills and practical abilities in recording, analyzing and clinicardiovascular diseases, as well as for the informed choice of patient management tactics	cally interpreting electrocardiograms		
LO1	Demonstrates knowledge of the rationale for conducting an electrocardiographic study pathological conditions, evaluates the results of electrocardiography in various pathol	in adults, the analysis of normative is		
LO 2	Makes decisions on the provision of emergency and urgent qualified medical care of	the second category of complexity to	adult card	liac patients.
LO3	Possesses skills of professional ethics, effective communication with patients, their re			
LO 4	Utilizes modern digital technologies and artificial intelligence tools (including decision support systems and ChatGPT) to analyze medical information, teach, and improve clinical practice, is able to apply information technology in healthcare, and applies medical record-keeping skills in accordance with legal and regulatory requirements.			
5.1	LO of the discipline Learning out	comes of the EP, which are associat	ed with th	e discipline LO
sqn.,	LO1 LO 2 - Develops an individual examination	plan, interprets the results of laborat	ory and in	strumental studies, carries out diagnostics and using clinical reasoning and evidence-base

2 SKULS	og egn, 1/K 1 skylug e egn, 1/K 2 skylug e egn, 1/K 3 skylug e egn, 1/K 3	Krus. s. squir. Kr sku
901/KJ 34	OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ Оңтүстік Қазақстан медицина академиясы» АҚ Оңтүстік Қазақстан медицина академиясы» АҚ	я академия»
500 11 K	Department of Family Medicine	69-11/2025
9. 000	Working curriculum of the discipline "Clinical electrocardiography"	Стр. 2 из 23
FUSI SO	LO2 LO 4 – Provides emergency care in acute and life-threatening conditions, including in condit and aviation medicine), and organizes timely hospitalization.	ions of limited resources (including sanitary

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SON	Worki	ng curriculum of the discipline "Clinical electrocardiography"	6/11/11	STANO	19. 60 11.	Стр. 2 из 2	23
19.96	LO2	LO 4 – Provides emergency care in acute and life-threaten and aviation medicine), and organizes timely hospitalization	<u> </u>	cluding in co	onditions of lim	ited resources	(including sanitary
KING	LO3	LO 5 – Effectively interacts with patients, including the centered approach, and motivates adherence to treatment and			sting relationsh	nips, uses an i	inclusive and patient-
1 5	LO4	LO 7 - Maintains medical records (including electronic or elements of artificial intelligence, and participates in clin research approach.					
6.	Ch 20. 60 111, 1	Detailed information about the	he discipline	1100	90. Kr	Silve	10, 10, KI
6.1	Venue (building, auditorium):	13. M. 3. W. A. 3. M. 3.	10. Kr 2	11/10	R. 40. K	1 5	Va. 6, 11.
is equ	Email:femmed_SKMA@mail.ru	nt, Askarova street, 26, City Polyclinic No. 13, City Polyclinic raining and/or technical support, please call and/or email the nu	mbers listed on th	Kr 2	14110	90. Kr	25 Wo
6.2			ures Practic	al lessons	Laboratory	Independen	it Independent work
skiring Skiring	skus segniki ki si skut	Number of hours Lect	KT Z SKUS'E	Signification of the second of	classes	work of an intern under the supervision of the teacher (IWIST)	r
1 5 KM	skugiedrikry si skuru Tugiedrikry si skuru	skusi eqniki ki skusi eqniki ki skusi eqniki ki sk	KT Skusie	40 40	classes	intern under the supervision o the teacher	r of
7. No	surname, name	Information about the te	KT Skusie	40	2 5K1, 12 5K	intern under the supervision o the teacher (IWIST)	r
7. No 1	surname, name Bektibayeva Nazipa Shakmanovna	skusi eqniki ki skusi eqniki ki skusi eqniki ki sk	achers:	2 SKULS	classes - Email	intern under the supervision o the teacher (IWIST)	r
Nº 1 8.	Bektibayeva Nazipa Shakmanovna	Information about the te Academic Degree and Position Candidate of Medical Sciences, Associate Professor Thematic plan	eachers: Bnsh64@mail.ru	1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Email	intern under the supervision of the teacher (IWIST)	of 68-12 = 56
<u>N₀</u>		Information about the te Academic Degree and Position Candidate of Medical Sciences, Associate Professor	achers:	2 SKULS	Email Teachin	intern under the supervision of the teacher (IWIST) 12	r

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MEDICAL

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r Skins kinsis	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/6	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
2	Practical Lesson. Topic: Ischemic heart disease	ECG diagnostics of coronary heart disease. ECG changes in acute coronary syndrome with and without ST elevation. ECG changes in various stages and locations of myocardial infarction. Topographic ECG – diagnostics of MI. Stress tests to confirm coronary heart disease.	LO1 LO2	SKUS S	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
1 SKUU	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	2/5	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
34.1	Practical Lesson. Topic: Arrhythmias caused by dysfunction of the sinus node automaticity	Sinus tachycardia. Sinus bradycardia. Sinus arrhythmia. Sinus arrest. Atrial asystole. Sick sinus syndrome.	LO1 LO2	SKNA.	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
ia. skina. s	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	2/5	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
edu.k	Practical Lesson. Topic: Ectopic complexes and rhythms	I. Passive complexes or rhythms: atrial, from the atrioventricular junction, migration of the supraventricular pacemaker, from the ventricles, jump beats. II. Active complexes and rhythms: 1). Extrasystole: a). atrial; b). from the AV junction; c). ventricular.	LO1 LO2	Sklug.	Clinical analysis of thematic patients with interpretation of ECG results	Checklist

SKMA -1979-

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KNIG	is equitify 3 skills is significant	2). Parasystole.3). Paroxysmal and non-paroxysmal tachycardia: a). atrial form; b). from the AV junction; c). ventricular form.	segnin.	AL SK	Exwais solding	1, KI SKUBI
14.KZ	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/5	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
290	Kr Si We Sie Mr.	Midterm Control 1: Testing	101.10	Ch. V.	00 111	Tr. VS. 60, "
5	Practical Lesson. Topic: Types of Flickering and Fluttering	Atrial fibrillation. Atrial flutter, Ventricular flutter and fibrillation.	LO1 LO2	1 54	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
7.KT 7.KT 1. ex	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/5	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
Kusie 19. egin	Practical Lesson. Topic: Conduction dysfunction	Sinoatrial block. Intra-atrial block. Atrioventricular block. Intraventricular conduction disturbances. Bundle branch block. Premature ventricular excitation syndromes: WPW syndrome, short P-Q-interval syndrome.	LO1 LO2	SK14 FL SK11 SU.KL	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
in Kl	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/6	Clinical work in a general practitioner department Analysis of scientific articles by	Criteria-based assessment

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V. V.	10. 17 34, W. S.	10, 17 30, 40, 50, 10, 11, 36, 40.	60,111.	AL AF	topic	1. 1/1,00.
KANO	Practical Lesson. Topic: Conduction dysfunction	Sinoatrial block. Intra-atrial block. Atrioventricular block. Intraventricular conduction disturbances. Bundle branch block. Premature ventricular excitation syndromes: WPW syndrome, short P-Q-interval syndrome.	LO1 LO2	10.KL	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
Sqn'k7	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/6	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
ALUGICA 8 S	Practical Lesson. Topic: Structural changes in the heart muscle	ECG signs of cardiac hypertrophy: right atrial hypertrophy, left atrial hypertrophy, left ventricular hypertrophy, right ventricular hypertrophy. Cardiac aneurysm. Congenital heart defects.	LO1 LO2	1 4 54	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
1 SK 1. KI	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: taking ECGs and interpreting test results. Effective interaction with patients.	LO2 LO3	1/6	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
9	Practical Lesson. Topic: Electrolyte disturbances and other conditions	Electrolyte disturbances and other conditions: high potassium and low potassium, pulmonary embolism and specific and nonspecific ECG changes in hypertrophic cardiomyopathy, myocarditis, pericarditis, thyrotoxicosis, etc.	LO1 LO2	12 5	Clinical analysis of thematic patients with interpretation of ECG results	Checklist
7 5KU	IWIST/IWI Consultation on completing IWI Assignment for the IWI: Interpretation of ECG results	Work in a functional room: ECG recording, interpretation of test results. Effective patient interaction. Using AI for screening first-degree relatives of patients with dilated cardiomyopathy, screening for AF, and identifying patients with left ventricular dysfunction.	LO3 LO4	1/6	Clinical work in a general practitioner department Analysis of scientific articles by topic	Criteria-based assessment
10	Practical Lesson. Topic: Stress tests during	Types of stress tests, indications and contraindications, and test termination criteria. Data interpretation. Functional stress tests.	LO1 LO4	SK140	Clinical analysis of thematic patients with interpretation	Checklist

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7.0	electrocardiographic examination	Pharmacological tests. Effective patient interaction. The role	E 101. 11	C/F)	of ECG results
1000	in adults.	of ECG in preventive medicine. AI tools for risk prediction	(g. 60, 11/4)	11.	K, V3. 600 1 K 1 2 KU, V3.
dr. Wo.	6, 7/1, 1/1 et vo.	and detection of hidden diseases.	3. 00 ()	Kr 1	5, 14, 3° 90, 15, 2, 14, 3°
194, 3	IWIST/IWI	Interpretation of long-term Holter ECG monitoring results,	LO1	1/6	Clinical work in a Criteria-based
1 3 1/11.	Consultation	indications, advantages, and disadvantages, and interpretation	LO4	101.1	general practitioner assessment
H 5	on completing IWI	of the obtained data. Transesophageal cardiac pacing:	ch, vo, s,	7/11.	department
KL 54	Assignment for the IWI:	indications and contraindications, advantages, and	1. c/1, vg,	000	14 1 2 KU. 13. OO, 14, 2, 1
1. 1	Interpretation of ECG results	disadvantages. Bicycle ergometry, treadmill. Results	1 2. M. 3	7. ~9/	Analysis of
11.12.1	1/41, vg. 300 11/41	evaluation criteria. Clinical significance, challenges, and	Kr 26 14/1	2.0	scientific articles by
POR THE	1 3. 1PU. 3: OGO. 1	limitations in the use of AI for ECG-based diagnostics.	1. 1 2 2 2	VO	topic
10 90.	Kr. 26, 140, 300, 10.	Ethical principles of AI.	11. 11 ex	7. 00	, 60,11,41 14, vg. 60,11
1000 10	. KJ 34 WO 60 411.	Machine learning (ML) as a basic practice of using algorithms	200	1/11.	3. 70, 3. 70,
Via. Sp	M. 17 ch. 30. 60.	for prediction through data analysis and learning.	290 Kr	2, 1	W SO SO, AT SO WE SO SO
Preparation	and conduct of interim assessment	20 / K 25 / W. J's 90 / K 25 / Wes	(10% of the total n	umber of	f hours allocated to the discipline) – 12 hours

Midterm Control 2: Testing

9.	190. Kr 2, 140 30 10.	Teaching and assessment methods:
9.1	Lectures	7. 1 St. 20. 6 11. 1 St. 20. 60 11/2 1 St. 20. 12. 10.
9.2	Practical lesson	Clinical analysis of thematic patients with interpretation of ECG results
9.3	Independent work of an intern under the supervision of the teacher (IWIST)/ Independent work of an intern (IWI)	Clinical work in a general practice department, Analysis of scientific articles by topic
9.4	Midterm Control	Testing
10.	34 Va 6 Mi 17 CH	Evaluation criteria
10.1	V 94, 33, 60, 114, 1	Criteria for assessing the learning outcomes of the discipline
Nº LO	4 1 2 K 3. 30 K	5. 70. 3. 90 h 2. 40 so 90. A 26 40 60 3
LO 1	Name of learning outcomes	1 2, 14, 2 to 10, 10 2, 10, 20, 10, 10 36, 10, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
Skus 6	LO14 SYMMARE ENLINE	Demonstrates knowledge of the rationale for conducting an electrocardiographic study in adults, the analysis of normative indicators and the identification of ECG changes in various pathological conditions, evaluates the results of electrocardiography in various pathological conditions of the heart and some extracardiac ECG changes and explains them clinically
3/KT 2/KT 2/K	Excellent	Skilled in performing ECGs and functional tests on cardiac patients to identify pathological changes and assess physical activity tolerance. Can analyze normal ECG parameters in adults. Electrophysiologically evaluates ECG changes. Skilled in analyzing changes in ECG pathology in various cardiac pathologies and other conditions. Can substantiate their findings. When interpreting ECG results, demonstrates knowledge of the clinical significance of ECG changes. Utilizes knowledge obtained from scientific databases.
Son Kr	Very good	Skilled in performing ECGs and functional tests on cardiac patients to identify pathological changes and assess physical activity

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MINT S. SKURUSISS	tolerance. When analyzing normal ECG parameters in adults and performing electrophysiological assessments of ECG changes, minor errors are made. Skilled in analyzing changes in ECG pathology in various cardiac pathologies and other conditions. Skilled in interpreting ECG results and demonstrating their ability to explain clinical significance. Uses the literature presented in the syllabus.
Satisfactory (Good)	Incomplete knowledge of performing ECGs and functional tests on cardiac patients to identify pathological changes and assess exercise tolerance. Errors in analyzing normal ECG parameters in adults and in electrophysiological assessment of ECG changes. Incomplete knowledge of analyzing changes in ECG pathological changes in various cardiac pathologies and other conditions. Makes serious errors in interpreting ECG results and cannot explain their clinical significance. Incomplete knowledge of the clinical protocols and literature presented in the program.
Unsatisfactory	Lacks skills in performing ECGs and functional tests on cardiac patients to identify pathological changes and assess physical activity tolerance. Makes serious errors in analyzing normal ECG parameters in adults and in electrophysiologically assessing ECG changes. Lacks skills in analyzing changes in ECG pathological changes in various cardiac pathologies and other conditions. Cannot interpret ECG results. Has not consulted the literature presented in the syllabus.
LO2	Makes decisions on the provision of emergency and urgent qualified medical care of the second category of complexity to adult cardiac patients.
Excellent	Conducts a thorough, accurate, and consistent assessment of patients' conditions and correctly determines the appropriate treatment strategy. Fully versed in the use of algorithms for providing emergency and urgent qualified medical care of the second category of complexity to elderly cardiac patients in accordance with clinical guidelines. Can evaluate the effectiveness of these interventions and properly monitor patients' functional status after treatment. Utilizes knowledge gained from scientific databases.
Very good	Conducts a comprehensive examination when assessing patients' condition, but does not fully adhere to the examination procedure. Correctly determines the appropriate treatment strategy. Fully versed in the use of algorithms for providing emergency and urgent qualified medical care of the second category of complexity to elderly cardiac patients in accordance with clinical protocols. When assessing the effectiveness of these measures, the intern makes unfounded errors, which are corrected. After providing care, properly monitors the functional status of patients. Uses the literature and clinical protocols presented in the program.
Satisfactory (Good)	Conducts an incomplete and inconsistent assessment of patients' condition and makes inaccuracies in determining the appropriate treatment strategy. Makes errors in applying algorithms for providing emergency and urgent qualified medical care of the second category of complexity to elderly cardiac patients in accordance with clinical guidelines. Insufficient skills in assessing the effectiveness of these measures. After providing care, properly monitors patients' functional status. Incompletely followed the recommended literature and clinical guidelines.
Unsatisfactory	Lacks the skills to conduct examinations when assessing patients' conditions and is unable to determine the appropriate treatment strategy. In accordance with clinical guidelines, he makes serious errors when applying algorithms for providing emergency and urgent qualified medical care of the second complexity category to elderly cardiac patients. He lacks the skills to evaluate the effectiveness of these measures. He has not consulted the literature and clinical guidelines recommended in the syllabus.
LO3	Possesses skills of professional ethics, effective communication with patients, their relatives when taking ECG and explaining its results.
Excellent	Fully versed in communication skills and professional ethics when performing electrocardiographic examinations and functional tests on cardiac patients to identify pathological changes and assess exercise tolerance. Effectively establishes relationships with

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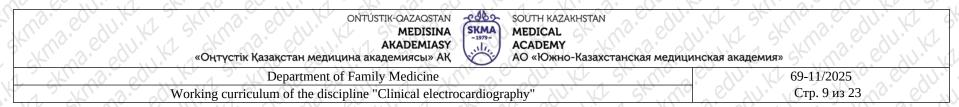
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ОҢТҮСТІК Қазақстан медицина академиясы» АҚ

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K 2, My 36 41	patients, family members, and colleagues when addressing patient needs. Applies knowledge gained from scientific databases.
Very good	The intern has limited communication skills and professional ethics competencies when performing electrocardiographic examinations and functional tests on cardiac patients to identify pathological changes and assess exercise tolerance. The intern makes minor errors, which are corrected by the intern when establishing effective relationships with patients, their families, and colleagues when addressing the patient's needs, and overlooks certain communication issues. The intern applies knowledge gained from the literature recommended in the syllabus.
Satisfactory (Good)	Insufficient communication skills and professional ethics competencies when performing electrocardiographic examinations and functional tests on cardiac patients to identify pathological changes and assess exercise tolerance. Difficulty interacting with patients, their families, and colleagues when addressing patient concerns and fails to consider certain important communication issues. Incomplete application of knowledge gained from the literature recommended in the syllabus.
Unsatisfactory	Lacks communication skills and professional ethics competencies when performing electrocardiographic examinations and functional tests on cardiac patients to identify pathological changes and assess exercise tolerance. Errors in establishing effective communication with patients, their families, and colleagues when addressing patient concerns, but fails to consider certain communication aspects. Incompletely applies knowledge gained from the literature recommended in the syllabus.
LO 4	Utilizes modern digital technologies and artificial intelligence tools (including decision support systems and ChatGPT) to analyze medical information, teach, and improve clinical practice, is able to apply information technology in healthcare, and applies medical record-keeping skills in accordance with legal and regulatory requirements.
Excellent	Advanced technical literacy: integrates data from various digital systems (electronic medical records, laboratory results, research databases) to support decisions; critical interpretation of AI results: evaluates the applicability of data to a specific patient, identifies the limitations of AI analysis, combines with clinical experience; clinical practice improvement: develops and implements new forms of clinical work: the use of AI to predict outcomes, big data analysis to evaluate the effectiveness of therapy, optimize patien routing, and create personalized treatment plans; communication and training: develops training cases using AI, trains other interns and fosters a culture of responsible technology use. Correctly uses skills in the work of the outpatient department in response to patient questions and in the preparation of medical documentation, including electronic ones.
Very good	Higher-intermediate technical literacy, uses specialized medical databases (PubMed, Cochrane, eLibrary), digital tools for analyzing patient data; critical interpretation of AI results: compares AI responses with clinical protocols, recommendations of specialized associations; clinical practice improvement: applies AI to speed up routine processes: uses AI to support clinical decisions (anamnesis structuring, article analysis, report preparation, medical documentation preparation, translation of medical texts); critically evaluates results; communication and education: applies AI to explain complex information to patients in an accessible form. Allows inaccuracies and errors, which the intern corrects himself when working with the Health Information System on patient questions and when preparing medical documentation, including electronic ones.
Satisfactory (Good)	Intermediate technical literacy, navigating digital resources, confidently using digital tools and AI, formulating queries, and verifying information against clinical guidelines; critical interpretation of AI results: trusting the information obtained without verification; clinical practice improvement: using digital technologies as a reference (e.g., clarifying dosages and treatment standards); communication and training: using AI to prepare reference materials. Patients are experiencing difficulties in working with the Health Information System.



Ma.edu.	Unsatisfactory	interpretation of technologies as a	literacy: navigates digital resources, can search for clinical guidelines and reference information; critical AI results: trusts the information obtained without verification; clinical practice improvement: uses digital a reference (e.g., clarifying dosages and treatment standards); communication and training: uses AI to prepare als. Regarding patient questions, he does not know how to work with the Health Information System.
10.2	6, 10, 11 6	K WO 60 471:11	Methods and criteria for evaluation
D 65 X	10 60 111.11	ch 20, 60 111.11	Checklist for the practical lesson
45 11	VS. 50, 11.6	Grade	Evaluation criteria
1	K1, 30. 30, 14	Clinical an	alysis of thematic patients with interpretation of ECG results
Acdu. Kl. Sking ed Sk	SKULAN SK	Excellent corresponds to the assesment: A (4,0; 95 - 100%) A- (3,67; 90 - 94%)	Evaluation Parameters (each parameter is assessed according to the following criteria (assessment levels: lower - 4.5; upper - 5.0): complete completion of the task, accuracy, consistency, ability to correctly evaluate and draw logical conclusions): - identified the patient's main problems - assessed the anamnestic data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL and scientific advances on this issue - developed an instrumental test plan in accordance with the KPDiL and scientific advances on this issue - developed an instrumental test plan in accordance with the KPDiL and scientific advances on this issue - developed an instrumental test plan in accordance with the KPDiL and scientific advances on this issue - correctly interpreted ECG results: - assessed rhythm regularity - calculated heart rate - identified the source of automatism - identified ECG changes - provided a conclusion - substantiated their conclusion - substantiated their conclusion - developed a treatment plan in accordance with the Clinical and Practical Guidelines and relevant scientific advances in this area, taking into account: - drug pharmacodynamics - drug interactions - contraindications - age-related characteristics - comorbid conditions - developed a preventive measures plan in accordance with the Clinical and Practical Guidelines and relevant scientific advances in this area
60	1 3. 77, 3. 0	Very good corresponds to the	Evaluation Parameters (each parameter is assessed according to the following criteria (assessment levels: lower
L 6 7/ 7/ 7	The CLASSIC CO	Tery good corresponds to the	Liverage of the following chieffs (cach parameter is assessed according to the following chieffa (assessment levels, lower

os egn, iki szkus segn, iki skus segni, iki skus segni, iki skus segni, k	t skilling softility skill	Ja. Eggl
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1 3. M. S.	Working curriculum of the disciplin	ne "Clinical electrocardiography"	Стр. 10 из 23
A 2, 14, 3	3 40. Kr 24 We 3 6	40. 15 34 W. S. 10. 15 34 W. S.	111:11 et 00. 60°
a edi di . K. L. S. Skriva a edi di . K. L. S. Skriva kria a edi di . K. L. Skriva a edi di . K. L. Skriva kria a edi di . K. L. Skriva a edi di . K. L. Skriva a edi di . K. L. Skriva kria a edi di . K. L. Skriva a edi . K. Skriva a edi . K. Skriva a edi . K. Skriva a edi . K. Skriv	assesment: B+ (3,33; 85 - 89%) B (3,0; 80 - 84%) B- (2,67; 75 - 79%) C+ (2,33; 70 - 74%)	- 3,5; upper - 4,45): complete completion of the task, accuracy, considraw logical conclusions) - identified the patient's main problems - assessed the anamnestic data - assessed the physical examination data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL and seveloped an instrumental test plan in accordance with the KPDiL accorrectly interpreted ECG results: - assessed rhythm regularity - calculated heart rate - identified the source of automatism - identified ECG changes - correctly interpreted ECG changes - provided a conclusion - substantiated their conclusion - developed a treatment plan in accordance with the Clinical and Pranadvances in this area, taking into account: - drug pharmacodynamics - drug interactions - contraindications - age-related characteristics - comorbid conditions - developed a preventive measures plan in accordance with the Clinical scientific advances in this area	cientific advances on this issue nd scientific advances on this issue ctical Guidelines and relevant scientifical and Practical Guidelines and relevant
e ed J., K. Skira ek skus edn'y edn'y K. 1 skus edn'y edn'y K. 1 skus edn'y K. 1 skus edn'y K. 1 skus edn'y K.	Good corresponds to the assesment: C (2,0; 65 - 69%) C- (1,67; 60 - 64%) D+ (1,33; 55-59%) D- (1,0; 50-54%)	Evaluation Parameters (each parameter is assessed according to the fol 2,5; upper - 3,45): complete completion of the task, accuracy, considraw logical conclusions) - identified the patient's main problems - assessed the anamnestic data - assessed the physical examination data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL	stency, ability to correctly evaluate and

OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ Оңтүстік Қазақстан медицина академиясы» АҚ	я академия»
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du.kl skriva.eggi.kl	Correctly interpreted ECG results: - assessed rhythm regularity - calculated heart rate - identified the source of automatism - identified ECG changes - correctly interpreted ECG changes - provided a conclusion - substantiated their conclusion - developed a treatment plan in accordance with the Clinical and Practical Guidelines and advances in this area, taking into account: - drug pharmacodynamics - drug interactions - contraindications - age-related characteristics - comorbid conditions - developed a preventive measures plan in accordance with the Clinical and Practical Guidelines - developed a preventive measures plan in accordance with the Clinical and Practical Guidelines	a eduluk k skria eduk k skria e	AU.KI SKRIPARA B. Edu.KI SKRIPARA B. Edu.KI SKRIPARA KIRARA Edu.KI SKRIPARA KIRARA EDU.KI SKRIPARA B. SKRIPARA EDU.KI	ia.edu.k kna.edu kna.k kna.edu.k edu.k edu.k	
entific advances on this issue scientific advances on this issue	Assessment parameters (each parameter is assessed according to the following criteria (asses 2.45 and below): fully completed the task, accuracy, consistency, ability to correctly evaluate logical conclusions): - identified the patient's main problems - assessed the anamnestic data - assessed the physical examination data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL and scientific advances of the correctly interpreted ECG results: - assessed rhythm regularity - calculated heart rate - identified the source of automatism - identified ECG changes - correctly interpreted ECG changes - provided a conclusion - substantiated their conclusion - developed a treatment plan in accordance with the Clinical and Practical Guidelines and in accordance with the Clinical and Practical Guidelines and in accordance with the Clinical and Practical Guidelines and in the conclusion and the clinical and Practical Guidelines and in the clinical and Practic	Does not meet the assessments satisfactorily: FX (0; 0 - 49%) F(0; 0 - 24%)	a edu. kl. kl. skina edu. skina edu. skina edu. skina edu. kl. skina edu. skina e	skna. 1 skna. 1. skna. 1. skna. 2. skna. 2. skna. 3. skna. 3. skna.	1 Sky
and Practical Guidelines a owing criteria (assessment to correctly evaluate and o entific advances on this iss scientific advances on this	advances in this area, taking into account: - drug pharmacodynamics - drug interactions - contraindications - age-related characteristics - comorbid conditions - developed a preventive measures plan in accordance with the Clinical and Practical Guidel scientific advances in this area Assessment parameters (each parameter is assessed according to the following criteria (asses 2.45 and below): fully completed the task, accuracy, consistency, ability to correctly evaluate logical conclusions): - identified the patient's main problems - assessed the anamnestic data - assessed the physical examination data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL - developed an instrumental test plan in accordance with the KPDiL and scientific advances of the developed an instrumental test plan in accordance with the KPDiL and scientific advances of the correctly interpreted ECG results: - assessed rhythm regularity - calculated heart rate - identified ECG changes - correctly interpreted ECG changes - provided a conclusion - substantiated their conclusion	satisfactorily: FX (0; 0 - 49%)	Skrivaseledu.kl. kl. skrivaseledu.kl. skrivaseledu.k	J.K.J. K.J. S. S. K. L. S. K.	edu. skus. ky. ky. ky. ky. ky. ky. ky. ky. ky. ky

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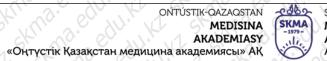
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11) 1 2 XII 30. 80	Working curriculum of the disciplin	e "Clinical electrocardiography"	Стр. 12 из 23
a edit. Kara sedilik karakus	skug egniki skaligi	- drug interactions - contraindications - age-related characteristics - comorbid conditions - developed a preventive measures plan in accordance scientific advances in this area Checklists for IWIST/ IWI	with the Clinical and Practical Guidelines and relevant
1 4 23. 60. 14	Carrying	gout practical work in the general practitioner departn	nent
AND SKIND SKIND SCOLULY AND SKIND SKIND SKIND SKIND AND SKIND SKIND AND SKIND SKIND AND SKIND SKIND AND SKIND	Excellent corresponds to the assesment: A (4,0; 95-100%) A- (3,67; 90-94%)	Evaluation Parameters (each parameter is assessed acco - 4.5; upper - 5.0): complete completion of the task, acculogical conclusions): Outpatient appointment: - effectively using communication skills to identify the - effectively using communication skills to evaluate the - evaluated the physical examination data - made a preliminary diagnosis - developed a laboratory test plan in accordance with the - developed a laboratory test plan in accordance with scientific advances - developed an instrumental test plan in accordance with - developed an instrumental test plan in accordance with - developed an instrumental test plan in accordance with - developed an instrumental test plan in accordance with - correctly interpreted laboratory test results - correctly interpreted instrumental test results - made a final diagnosis - developed a treatment plan in accordance with the Cli - developed a treatment plan in accordance with the Cli - developed a treatment plan in accordance with the Cli	rding to the following criteria (assessment levels: lower tracy, consistency, ability to correctly evaluate and draw patient's primary concerns patient's medical history The Clinical and Practical Guidelines and relevant the Clinical and Practical Guidelines with the Clinical and Practical Guidelines and relevant the Clinical and Practical Guidelines and relevant with the Clinical and Practical Guidelines and relevant mical and Practical Guidelines and relevant the Clinical and Practical Guidelines and relevant the Clinical and Practical Guidelines and relevant the Clinical and Practical Guidelines

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600 11 1 2 1/2 1 3 1 1 C	Working curriculum of the discipline "Clini	ical electrocardiography"	Стр. 13 из 23
1 skugiednik ednink skugi	assesment: - 3,5 B+ (3,33; 85-89%) draw B (3,0; 80-84%) Outp B- (2,67; 75-79%) - effe	uation Parameters (each parameter is assessed according; upper - 4,45): complete completion of the task, accumpled conclusions): patient appointment: ectively using communication skills to identify the patient communication skills to evaluate the patients.	racy, consistency, ability to correctly evaluate and ent's primary concerns

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Very good corresponds to the assesment: B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%) Good, corresponds to the	Evaluation Parameters (each parameter is assessed accordin - 3,5; upper - 4,45): complete completion of the task, accudance displayed a laboratory test plan in accordance with the developed an instrumental test plan in accordance with the developed an instrumental test plan in accordance with the developed an instrumental test plan in accordance with the developed an instrumental test plan in accordance with the developed an instrumental test plan in accordance with the developed an instrumental test plan in accordance with scientific advances - correctly interpreted laboratory test results - correctly interpreted instrumental test results - made a final diagnosis - developed a treatment plan in accordance with the Clinical developed a treatment plan in accordance with the Clinical developed a preventive measures plan in accordance with scientific advances - developed a preventive measures plan in accordance with scientific advances - developed a preventive measures plan in accordance with scientific advances - work in a day hospital or home hospital - work in a screening room - work with the KMIS - medical documentation Work on the site: - assets - patronage Evaluation Parameters (each parameter is assessed according	ent's primary concerns ient's medical history inical and Practical Guidelines and relevance Clinical and Practical Guidelines and relevance Clinical and Practical Guidelines the Clinical and Practical Guidelines and relevance I and Rel
Good corresponds to the assesment: C (2,0; 65-69%); C- (1,67; 60-64%); D+ (1,33; 55-59%) D (1,0; 50-54%)	Evaluation Parameters (each parameter is assessed accordin - 2,5; upper - 3,45): complete completion of the task, accudraw logical conclusions): Outpatient appointment: - effectively using communication skills to identify the pati - effectively using communication skills to evaluate the pati - evaluated the physical examination data - made a preliminary diagnosis	racy, consistency, ability to correctly evaluate and ent's primary concerns

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OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	SOUTH KAZAKHSTAN MEDICAL ACADEMY AO «Южно-Казахстанская медицинская академия»	Kug.
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1 7 1/1 19. 00	Department of Far		is 90. Kr 22. W	69-11/2025
1.4 1 3/11 3. 0	Working curriculum of the discipline	e "Clinical electrocardiog	raphy"	Стр. 14 из 23
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13. 90 K 2, KU, V. 40. Kr 2, KU, V	- made a final diagnosis
140 3 in 41. 10 26 We Too 10. 15 26 We	- developed a treatment plan in accordance with the Clinical and Practical Guidelines
1. " Co " Co " 1. " (V) Sp. " (V) Co " 1. " (V) Sp. "	- developed a treatment plan in accordance with the Clinical and Practical Guidelines and relevant scientific
19 Vs. 60 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	advances
12 M. 18. 600 M. 2. 10, 3. 10, 3. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	- developed a preventive measures plan in accordance with the Clinical and Practical Guidelines and relevant
1 2, W. Vio 90, Ar 2, W. Vio 40, M. M.	scientific advances
Kr. 26 19 50 10. 10 126 100 60 10. 10	- work in a day hospital or home hospital
1 7 2/2 40, 80 1/1, 17 2/2, 40, 60, 1/1-L	- work in a screening room
17. 1 96. 30. 60 11. 1 1 1/2 VS. 60 11.	- work with the KMIS
10 1/4 1 1/4 1 3. M. 3. M. 3. M. 3. M. 3. M.	- medical documentation
190 / 2 We 3's 90 / 10 26 9	Work on the site:
10, 40, 11 BL WO GO M. 1 BL WO. G.	- assets
6 8 M. M. M. W. O. M. M. M. W.	- patronage
13. 60 11. 1 16, 13. 60 11. 1 1 11. 13.	Sometime of the second of the
	topic (data search from scientific databases as a collective activity)
Excellent corresponds to the	Selecting the right article, its scientific or clinical value, mastery of the material, and providing a precise,
assesment:	clear, and concise explanation. Ability to explain research results. Analyzes research results (e.g., article
A (4,0; 95 - 100%)	review is in-depth and adequate), and the accuracy and structure of the review (provides clear information for
A- (3,67; 90 - 94%)	each idea). Speech (e.g., full volume, speed, intonation, effective use of pauses) and delivery style (effective
16 1 3 17 33 00 14 3 16, 3 00 14	but not excessive gestures, making eye contact, proper posture in front of the audience, use of the podium).
1 1 2 W 2 2 10 11 2 2 W 2 2 10 1	Ability to achieve results (e.g., precision, sense of expertise).
Very good corresponds to the	Selecting the correct article, its scientific or clinical value, mastery of the material, and providing a precise,
assesment:	clear, and concise explanation. Ability to explain research results. When analyzing research results (e.g., the
B+ (3,33; 85 - 89%)	article review is thorough and adequate), allows for inaccuracies and inconsistencies in the review. Speech
B (3,0; 80 - 84%)	(e.g., full volume, speed, intonation, effective use of pauses) and presentation style (effective but not
B- (2,67; 75 - 79%)	excessive gestures, making eye contact, proper posture in front of the audience, use of the podium). Ability to
C+ (2,33; 70 - 74%)	achieve results (e.g., precision, a sense of expertise).
Good corresponds to the	The article's selection, scientific or clinical value, is inadequate. The author lacks a thorough understanding of
assesment:	the material and failed to provide a precise, clear, and concise explanation. Inaccuracies are present when
C (2,0; 65 - 69%)	explaining research results. Difficulty analyzing research results. Speech (Example: full volume, speed,
C- (1,67; 60 - 64%)	intonation, effective use of pauses) and presentation style (gestures are effective but excessive, eye contact,
D+ (1,33; 55-59%)	posture in front of the audience, use of the podium). Results not fully achieved (Example: accuracy, sense of
D- (1,0; 50-54%)	expertise).
Does not meet the assessments	Inappropriate selection of the article based on scientific or clinical value; lack of familiarity with the material;
satisfactorily:	failure to provide a precise, clear, and concise explanation; inability to explain research results. Speech
FX (0; 0 - 49%),	(Example: full volume, speed, intonation, does not use effective pauses) and presentation style (gestures are
F (0; 0 - 24%)	effective but excessive, does not establish eye contact). Results were not achieved.

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SAN, KI ZKKUO	ier gnik Kr 2k, Wa	Midterm Control – Testing
edu.K. S. SKU	Excellent corresponds to the assesment: A (4,0; 95-100%) A- (3,67; 90-94%)	90-100% correct answers.
us equito	Very good corresponds to the assesment: B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%)	70-89% correct answers.
KI, USKU	Good corresponds to the assesment: C (2,0; 65-69%); C- (1,67; 60-64%); D+ (1,33; 55-59%) D (1,0; 50-54%)	50-69% correct answers.
isqniki	Does not meet the assessments satisfactorily: FX (0,5; 25-49%) F (0; 0-24%)	Less than 50% correct answers.
Skill War Gor		for midterm assessment (100% of the total) – written exam
Theoretical question:	Excellent corresponds to the assesment: A (4,0; 95-100%) A- (3,67; 90-94%)	Awarded if the intern made no errors or inaccuracies during their answer. They are familiar with the theories, concepts, and approaches in the discipline being studied and provide a critical evaluation of them, utilizing the scientific advances of other disciplines.
igis is is in the state of the	Very good corresponds to the assesment: B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%)	Awarded if the intern made no significant errors in their answer, but only minor inaccuracies. They are not fully familiar with the theories, concepts, and approaches in the discipline being studied, made errors in their critical evaluation, and do not fully utilize the scientific advances of other disciplines.
1 Strange of	Good corresponds to the assesment:	This is given if the intern made inaccuracies in their answer. They are not fully familiar with the theories, concepts, and approaches in the discipline being studied, do not have a critical understanding of them, and do

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	Rugiegniniky	Skulg's	C (2,0; 65-69%); C- (1,67; 60-64%); D+ (1,33; 55-59%) D (1,0; 50-54%)	not fully utilize the scientific advances of other disciplines.
X	Skirug. a. edul	3/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	Does not meet the assessments satisfactorily: FX (0,5; 25-49%) F (0; 0-24%)	This is given if the intern made numerous errors during their answer, is unversed in the theories, concepts, and approaches of the discipline being studied, and is unable to utilize the scientific advances of other disciplines.
) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	tion of a nal problem:	Excellent corresponds to the assesment: A (4,0; 95-100%) A- (3,67; 90-94%)	The intern did not make any errors or inaccuracies while solving the case study. They understand the patient's problems, critically assess them, correctly formulate a diagnostic, treatment, and preventive plan, correctly determine the patient's follow-up strategy, possess excellent communication skills, and utilize relevant scientific advances and the Clinical Protocol.
	Kus egn, K	1 Skusis	Very good corresponds to the assesment: B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%)	The intern made no major errors while solving the case study, and only minor inaccuracies. They are familiar with the patient's problems, have some difficulty critically assessing them, and make some mistakes when developing a diagnostic and treatment plan. They possess communication skills and do not utilize scientific advances in this area, but are familiar with the materials in the Clinical Protocol
3,1	1.KT SKUS. SKUS.	ig segnik	Good corresponds to the assesment: C (2,0; 65-69%); C- (1,67; 60-64%); D+ (1,33; 55-59%) D (1,0; 50-54%)	The intern made inaccuracies and minor errors while solving the case study, has some difficulty analyzing and critically assessing patient problems, makes errors when developing a diagnostic, treatment, and preventive plan, and lacks communication skills. He/she has not fully completed the Clinical Protocol.
10	13.69.97.14 S	Kulg's	Does not meet the assessments satisfactorily: FX (0,5; 25-49%) F (0; 0-24%)	The intern is unclear about the patient's needs and has poor communication skills. He hasn't reviewed the Clinical Protocol materials.
1	3 Interpreta laboratory instrumen results:		Excellent corresponds to the assesment: A (4,0; 95-100%) A- (3,67; 90-94%)	The intern clearly and consistently describes each indicator, correctly analyzes changes in the ECG and laboratory test results, determines their clinical significance and provides a correct, complete justification for his conclusion.
	egniniky skusina	us edn'r	Very good corresponds to the assesment: B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%)	The intern clearly and consistently describes each indicator, changes in the ECG and laboratory test results, but allows for minor inaccuracies in the analysis of the identified changes, determining their clinical significance and justifying their conclusion.

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, ,	3.00	the Si Williams	C+ (2,33; 70-74%)	1 70. 1
d	The Sie YI	1. Kr 24. Wa	Good corresponds to the	The intern describes changes in the ECG and laboratory test results unclearly and inconsistently, makes
7	. Wo Br	111, 11 ch vi	assesment:	mistakes in their analysis, and experiences great difficulty in determining their clinical significance and
	ch. vs. o	0,11,1,2	C (2,0; 65-69%);	substantiating his conclusion.
1	S. M. 3.	300 / K 3, 1	C- (1,67; 60-64%);	(1, 2' E. 1/1), 1/1 26, (1, 2' E. 1/1), 1/1 26, (1, 2), (1, 1, 1)
	2, 14,	3.0 - 40. Kr 3	D+ (1,33; 55-59%)	L. W. C. M. M. Sp. Wo. C. M. Sp. Vs. Co. "12" - 16"
	W 55 0	10. 60 11. 11	D (1,0; 50-54%)	56, 38, 60, 114, 1 36, 38, 60, 114, 3 171, 38, 90, 16, 2, 10
7	11 34	Vis. 60 717.	Does not meet the assessments	The intern does not know how to describe changes in the ECG and laboratory test results.
	1.5 1	KI, VS. 500 11 K	satisfactorily:	(1 2, 14, 3, 9, 14, 2, 14, 3, 4), 11 2, 14, 15, 17, 17
	70 1 K	KILL ST. SOLL	FX (0,5; 25-49%)	16 22 W 2 2 40. 10 24 W 20 20 10. 11 34 W. CO 11/1/1/1
	90. Kr	SI WE SE YO	F (0; 0-24%)	1. 1 2 2 40 6 11. 1 2 2 20 6 11. 1 14. 19. 60 11.
	10. K	1 34 Wa SA	Multi	-point knowledge assessment system:
1	, 60, 711.	11 gt 20, 6	1, 1, 1, 1, 1, vs.	30, 14, 13, 10, 3, 00, 14, 2, 10, 3, 10, 16, 2, 10, 16, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10

Multi-point knowledge assessment system:

Letter grading system	Digital equivalent of points	Percentage content	Assessment according to the traditional system
A)	4,0	95-100	Excellent
A-V	3,67	90-94	1 3 KI 33. CON 1/4 1 3. 1
B+	3,33	85-89	Very good
B	3,0	80-84	Kr 24 W. 50 M. Kr
BA.	2,67	75-79	7. 1 2/2 Co 80 471, 11
C+	2,33	70-74	77. 17 ch. Vg. 60, 11.E
K 0 // 10 // 10	2,0	65-69	Good
17. K) C-24. W. S.	1,67	60-64	· 00 / / 2 / 2 / 3/
D+ C	1,33	55-59	2.0 90. Kr 2, Mis 3.00
D- 14 03.	1,0	50-54	10 9 10. 15 2k 100 0
FX	0,5	25-49	Unsatisfactory
13. edf 11. 12 5 641	0.000.00	0-24	3K 1/3. 3'50 911' KT 3KI'W

Educational resources:

Electronic resources, including but not limited to: databases, animations, simulators, professional blogs, websites, other electronic reference materials (e.g., video, audio, digests)

Electronic resources of the LIC

- SKMA Electronic Library https://e-lib.skma.edu.kz/genres
- Republican Interuniversity Electronic Library (RIEL) http://rmebrk.kz/
- Aknurpress Digital Library https://www.aknurpress.kz/
- Epigraph Electronic Library http://www.elib.kz/
- Epigraph a portal of multimedia textbooks https://mbook.kz/ru/index/

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12.	Discipline policy:					

Requirements for interns, attendance, behavior, grading policy, penalties, incentives, etc.

- 1. Come to class in uniform (gown, cap) and with a stethoscope and tonometer;
- 2. Be punctual and responsible;
- $3.\ Attendance\ at\ practical\ classes\ and\ the\ standardized\ work\ schedule\ is\ mandatory.\ Actively\ participate\ in\ the\ educational\ process;$
- 4. A student who misses a class (unless excused by the dean) will be given an "n" grade. Unexcused absences will not be made up. A "0" grade will be entered in the electronic journal in the box next to the "n" mark two days before the exam.

Missed classes with a valid reason are made up upon presentation of a supporting document. Students are required to submit a certificate to the Dean's Office no later than 5 business days from the date of receipt and submit an application to the Dean for a work slip with a deadline, which is valid for 30 days from the date of receipt by the Dean's Office. Grades received for working a class are entered into the electronic journal in the box next to the "n" mark. If supporting documents are missing or submitted to the Dean's Office later than 5 business days after returning to class, the reason is considered unexcused. Students who miss classes due to a dean's order for release are not given an "n" mark; they are assigned an average grade, and midterm assessments are completed.

Each intern must complete all SRO assignments, including individual and group activities, and submit them according to the schedule.

All types of written work by students are checked for plagiarism.5. Be responsible for the sanitary condition of your work area and personal hygiene.

Eating in classrooms is strictly prohibited.

Observe safety regulations in classrooms.

Observe the internal regulations of the Academy and the clinical sites where classes are held.

Be tolerant, open, and friendly toward fellow students and faculty.

Treat department property with care.

Turn off cell phones during class time.

Mandatory duty shifts at the department's clinical sites (one shift per week).

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EARNING OUTCOME ASSESSMENT POLICY: The following types of assessment are used within the assessment system: Current assessment (CA) of student progress is conducted by the instructor during both in-class and out-of-class activities; Midterm assessment (MA) is conducted at least twice for each academic discipline; MA is part of the CA; Final assessment (FA) is an exam administered upon completion of the course. The final assessment (FA) score for the course must be at least 50 points (60%), calculated automatically based on the average score of the current assessment (40%) + the average score of the midterm assessments (20%). Midterm assessment – conducted in two stages: practical skills assessment using the OSCE (objective structured clinical examination) and testing. Under the DOT, midterm assessments of students are conducted online: practical skills assessments are conducted online on the Zoom and Webex platforms; online proctoritechnology is used for testing—a system for identity verification and confirmation of online exam results.									
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