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Syllabus

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Work study program of the discipline "Normal cardiovascular system" Name and code of the educational program: 6B10117 "Dentistry"

10	General information about the discipline Discipline code: NCS 2211 1.6 Academic year: 2025-2026
.2	The name of the discipline: normal cardiovascular 1.7 Course:2
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1.3	Prerequisites: Introduction to the profession, 1.8 Term;3
,O'	Prerequisites: Introduction to the profession, 1.8 Term:3 Structural organization of human physiological
. 00	processes
1.4	Postrequisites: general pathology, cardiorespiratory 1.9 Number of credits (ECTS): 4/120
9	system in pathology
1 2.	Cycle: BD 1.10 Component: UC Description of the discipline
	rated discipline: formation of fundamental knowledge about the anatomical, physiological and
	ogical features of the cardiovascular system, application of this knowledge in biomedical and
	al sciences, provision of patient-centered care, observing the principles of ethics and deontology for
	ive professional practice in healthcare.
3.	The form of summative assessment
3.1	• Testing 3.5 Course work
3.2	Written 3.6 Essay
3.3	Verbal 3.7 Project
3.4	Assessment of practical skills 3.8 Other (specify)
4.	Objectives of the discipline
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hysio atier	ology of the cardiovascular system in a healthy body. This allows them to fully interact with its in the future, as well as successfully integrate the acquired knowledge into clinical practice and
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7. Information № 1. Танабаев Ба	about teache Full name	rs St.	De De	grees and po	ositions	egn.	1,1	Email	address
	імахан Дильбар		зав.кафедрой	í, к.м.н, и.о	профессо	pa Ø		ayev@	mail.ru
3. Жумашев С	асымхан Ермек йдалы Нурахов	ич	У И.о	Грофессор, профессор	а, д.м.н	KUn	sult_m	ed@ma	
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ONTÚSTIK-OAZAOSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ONTUSTIK-OAZAOSTAN



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A G	Kugi egniky ky ekusie	3. M. 1. H	18. edu. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	skulg squ's squ's	Mit & Stule	US.
7.	SKI, (Mg. egn. K) OI	VTÚSTIK-QAZAQSTAN	TH KAZAKHSTAN DICAL	Kr 8, 50.	30 11 St	7.
>. ° ° 9	«Оңтүстік Қазақстан медінцин	АКАДЕМІАЗУ а академиясы» АҚ	А DEMY «Южно-Казахстанс	кая медицинская акаде	T TILL S. KRIMS	, 5
Mai	Departmen	t of "Topographic anatomy and h	istology"	42/11 52/11	of 42 do di	7.1
) <u>(</u>	Work study program of	the discipline "Normal cardio	vascular system"	Page.4_c	of 42	
gr.	2. Electrical activity of the	Electrical activity of myocardial cells.	6911.KJ	Ky skug squedlik	I'K SKUO	۶. چ
	myocardium.Methods of studying the activity of the	Mechanical sound	do egn K	SKILLING	6. 'T 'A.	<
17.1	heart. ECG.	manifestations of cardiac activity. The ECG.	17.	KY Sking.	siegniky skyr	FU
egi.	SRO Assignment: To master the mechanisms of	K skind egg.	Y) AUI ()	egn'ky eku.	s. 690, 141	Ċ
0.	generation and conduction of	activity. The ECG.	1.	60 97/1 S.	Kuio Segrania	
KUO	excitation in the myocardium, as well as the methods of their	sqniky skuaisqniky	T SKUR	EUG-SGITH ST. SKU	senaedu.i	1.1.
200	registration. Physiology. Lecture 1.				1 at 2.	0
1 2	Physiology of cardiac	cardiovascular system.	LOD	Introductory	(security	9.
11.12	activity	Circulatory circles. Regulation of heart activity.	110 Sep 9714	1 Strio 2.	questions)	15
	to sk of shift	Physiology of the heart.	LO1, 2	обсуждение	Oral	5
10.00	Physiology. Practical lesson 1	Physiological properties of	LO2,	основных	interview,	1
. 0.	Topic:Physiology of the heart. Physiological properties of	the heart muscle. Heart automation. The conduction	TO3 3kg	вопросов темы, выполнение	assessment of the	
SKI	the heart muscle. The	system of the heart. The experience of Stannius.	70).	тестовых заданий,	performance of test tasks,	30
St	conduction system of the	Pumping function of the	50° 971'Y	решение	assessment of	Q:
Kr 1.	heart. Phases of the cardiac cycle.	heart. Phases of the cardiac cycle. Systolic and minute	US. SONIE	ситуационных задач.	the solution of situational	.0.
2011/1	1 34110 600 Mix 3	volume of blood flow.	HI, Waje, Egni,	Kr ex vo	tasks	SKY
di	Anatomy. Practical lesson 2.	Common, external, and internal carotid arteries:		work in small	oral survey, assessment	
LIO HO	Common, external, and internal carotid arteries:	topography, projection,	LO3	anatomical	assessment sheet for solving	P.
100	internal carotia afteries.	branches, and areas of blood supply. Blood supply to the	1. Kr 8 Kg	preparations, torso, dummies,	solving situational	
91	topography, projection, branches, and areas of blood supply.	brain.	917.	posters, on the	assessment sheet for solving situational tasks, assessment sheet for	30.
XI S	branches, and areas of blood supply.	kug egniki skur	s. edn. Kr	interactive Pirogov panel	assessment sheet for	20
F	branches, and areas of blood supply.	brain.	sedu. Maedu. A	and/or solving test and situational	sheet for completing test tasks	
egny	Supply SWT (SW 1)	St. 3. W. 1	a.	tasks	CO. KI	3
80	Anatomy. SIWT / SIW 1	Peatures of the structure of	1 LO4 -:0:1/5 (I - Preparation and	Oral interview.	. 1
SKU SKU	Features of the structure of the heart in the fetus and newborn. Fetal blood	the heart in the fetus and newborn. Fetal blood circulation.	LO5, LO5	presentation;	interview. Assessment sheets for all	1
150,	I newborn Fetal blood	circulation.	3, 14, 3,	"Ma Egn. K	sheets for all forms of	60
2	SIW Assignments: 1. Name the main	scirculation. String. Sking. S	80° MY	er Kus. Jegn.	completed	
S.K.	11 : 16	kt skuasednikt skuasednikt sku	Jasen Mikh	V Stro De	assignments.	W.
20.14	heart in the fetus and newborn.	ex. Wo. egn. Kr	SKU. WO. S. 91,	IT IS SKING OF	80 Mil. 1	2
). 10 of	2. Explain the role of the	1. St. Kug. egn. Kr	et, War	Sgn. Kr Skill	20 Squitte 12	, ,
FILLS OF	newborn. 2. Explain the role of the foramen ovale and ductus arteriosus in fetal blood	skurg equiku sedu. Kr skug equiku sedu. Kr skug edu. Kr s	the st mo	edu. 112	the adult	4
K1, 4	circulation.	Mix S. Skulo Segg	MKN SK	Wa. Egn. Kr	34 40. 39	7.
ek,	2. Explain the role of the foramen ovale and ductus arteriosus in fetal blood circulation.	ekus skus egniki skus egniki ki skus egniki skus egniki ki skus egniki skus egni	SO SAIKE S	protection of the presentation;	1 St. Ma.	0
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10.KZ	2 skulg. 9897 4714 34	Kus. Egn. Kr Ex	Ma. duit	Kr sky was	SULT S	til
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KUQ.	Departmen	partment of "Morphophysiology" t of "Topographic anatomy and hi the discipline "Normal cardiov	stology"	42/11 52/11 Page 5	of 42 do.	11.14
g Fr	3. Compare the stages of	A STORY	asculai system	Skulo do Gali	W SKIND	2
V 6	transition from intrauterine to extrauterine blood circulation	na edu. Kl skria e	9.600 XXX	skus segent	N.K. SK. W.	0.
N.K	with changes in the structure of the newborn's heart.	Under Egnik KJ 2 Sky	waser any	ky skug'egrafig	201.KV 35	Kill
3	Histology. Lecture No. 1.	Understanding the	LO1 1 0	overview	Feedback	2
Ø. 6	Topic: Histology of the heart.	development and histophysiology of the heart. The tissue	LOIM 1 C	290 T 24.	(security questions)	1
Mo	ig griff skrig skrig egn	heart. The tissue composition of the	T SKI	3.00 21.12	40. 20. O.	, , , , ,
St. Ku	is egn egn ikt skus e skus egn	composition of the membranes of the heart.	DU. KI 6	Full Joseph Mith	1 S. Skillio 3.6	300
1	skus enn en krus ekus	The structure of the heart valves. Atypical muscle	90 K1 K1	skug'edn'y	T SKUS	(g.
· A		cells	1,0 60 14			,`
917.	Histology. Practical lesson #2.Topic:	Classification of arteries. The structure of the arterial	LO1, 2 LO2,	Small group work, checklist of	Practical lesson	St.
. O. O. O.	#2.Topic: The arteries.	wall in connection with hemodynamic conditions.	LO34	histopreparations, micrographs	evaluation checklist.	1
	The arteries.	Features of the structure and	the office	merograpus	C. V. 70	1
SKI SK	us apply to skyll usies	function of various types of arteries. Organ features of	MIKI SK	Kus egn Kr	KI SKUUS.EG	egn
	Anatomy. Practical lesson 3.	the arteries.	LOI, 2	3, Skilling Segre	Kr Ex	
KI I	Subclavian, axillary, brachial,	Subclavian, axillary, and brachial arteries:	Trois	work in small	oral survey,	U.O.
2011	radial, ulnar arteries, arches and arteries of the hand:	topography, branches, and areas of blood supply.	LO3	groups with anatomical	assessment	SK
69/	topography, branches, and areas of blood supply.	Radial, dillar, arteries,	S. Chilo	preparations, torso, dummies,	sheet for	,
Clo. Skills	areas of blood supply.	hand: topography, branches,	KI SKUD	posters, on the	solving situational tasks, assessment sheet for	7.Kr
Stillio	S. S. M. S. Mus. S. S.	and areas of blood supply.	J.KI SKS	interactive Pirogov panel	tasks, assessment	911
St	Anatomy, SIWT/SIW 2.	arches, and arteries of the hand: topography, branches, and areas of blood supply. Malformations of the heart.	edu.k	and/or solving test and situational	tasks, assessment sheet for completing test tasks	>.
1/2	C. W. M. V.	Mg. E. griff A 3 skills	Moedy.	tasks	test tasks	KUS
K	6, 70, 70, 7	Malformations of the heart.	LO4 1/5	Kr 5k 22		, S
	Malformations of the heart.	26 70. 90 1	1605	- Preparation and protection of the	Устный опрос.	レ
Bo Bo Ra	Malformations of the heart.	1 skirna.es edu.k 111.kl skina.edu.k	1 24	1 - O' N'V C	Устный опрос. Оценочные листы по	11.12
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2 2	Ky 29.60 Miki 3 st skug.	Sign Miky Sky Killying	Segnita St	ski, was agnit	всем формам выполненног	3.00
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4.	SIW Assignments: 1. List the main congenital	aorta and aortic arch,	LOI 1	Overview	Feedback	
>. >	malformations of the heart	parietal and visceral branches of the thoracic and	exu. Usies	Squit 42 skill	(security questions)	ء ا
0.	Thomas the missible	abdominal parts of the	1 St ins	Overview Skinds	questions)	¥
K, "		aorta. Abdominal part of the aorta:	7 2.	work in small	oral survey,	90.
SK	Anatomy, Practical lesson 4.	Abdominal part of the aorta:	LO1, 2 2	work in small 1	oral survey,	V.
v (T Skugisen Spirit Z Skug	Lose Sanik & Skur	Mug egnik	YK Skug's on 'Wa's	gnit Kr skill	10.
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ONTÚSTIK-OAZAOSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ



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). 69.	«Онтустік Қазақстан медицина	а академиясы» АҚ AO « epartment of "Morphophysiology"	Южно-Казахстанс	кай медицинская акаде	C. C. C. CRIM
KUS.	Departmen	t of "Topographic anatomy and his the discipline" Normal cardiov	stology"	52/11 Page.6 o	of 42
g F	The abdominal part of the aorta: topography, branches,	topography, paired and unpaired visceral and	LO2,	groups with anatomical	assessment sheet for
Y G	areas of blood supply	parietal branches, areas of	Kug' grant	preparations, torso, dummies,	solving
10.	1 Skusinsenistry t	SKU. 3.60 MI.K. 1	on sold	posters, on the	situational tasks, assessment
9. S	duik ka skua eduika skua duika	sking supply.	sking edi	Pirogov panel and/or solving test	sheet for completing
.kwg.	in 1 skrigs skrigs signift	Ky skug egniky egniky egniky	Kr & Skillig	and situational tasks	test tasks
SKIL SKIL	Physiology. Practical lesson 2 Pumping function of the	Pumping function of the heart. Phases of the cardiac	LO1, 2 LO2,	discussing the main issues of the	Oral interview,
1	heart. Phases of the cardiac		- 60	topic, completing test tasks, solving	assessment of the
971.	sycle. Sking. edu. kl. sking.	volume of blood flow.	Pagen Septif	situational problems.	performance of test tasks,
9. O)).	String edu. Kr. Skug edu. Kr.	Skulg edr aliky sk	St. Skilly.	problems. St.	assessment of the solution
In Was	SAN'EXT SERVICE SERVICE SAN SERVICE SAN SERVICE SERVIC	The sking sedu. The sking sedu. The	Kr 3kr.	d. edu. 11/42	of situational tasks
Skiller Skiller	Histology, SIWT 1:	Sources of development of	LO4, 1	Working in small	Checklist for SIW
1	Morphofunctional features of the cardiac conduction system Task SIW 1.	the cardiac conduction system. The structure and	LOSU	groups, defending a presentation,	assessment
2011/1	Commons the mount olders of	functional significance of	in skugiednik	a presentation, compiling a glossary.	Ligin Squity S
600	the cells of the conduction system with ordinary	system.	Sk. Kug. 36	201. K 3K11	Feedback (security
5	cardiomyocytes. Physiology. Lecture 2 Laws	Законы гемодинамики.	LO1 1	overview	Feedback
St. St.	of hemodynamics. Methods of CVS research.	Методы исследования ссс. Регуляция движения	5. 1. 1. 1. S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	overview 12	Feedback (security questions)
1	Anatomy.	крови по сосудам. Boundaries of the heart	LO4 1/5	- Preparation and	Oral interview.
). KI	S.	(relative and absolute dullness of the heart).	5 30. 10	protection of the presentation	
7/		Projection of the heart valves onto the anterior	Skulgi Selly	presentation	
ing egi	SIW Assignments: 1. Name the anatomical	chest wall. The listening	'skula. skula.	sking edu.kl skrie	forms of completed
Kille	boundaries of the heart and	11. 1. A. 1. S.	St. St.	20. Ky. 11	assignments.
9	chest wall. 2. Explain the relationship	Skulgen ette		er ekwa. 3 ego x	
J.KJ	location of the heart valves	sking edu.kl s skin	Kug egnis	Ky skyrusie	Signify Sky
_()	Physiology .	Consolidation of the	LO1 2	Written response	MC N
0~	Physiology Border control 1.	completed material on the topics of the lecture,	LO5	(situational tasks)	assessment Checklist
SKI	Border controler.	topics of the lecture, practical training, SIWT	WILL S	(situational tasks)	1 2 Mg. 19
	Skus egn va egnikt ekus.	practical training, SIWT	igegniky ex	Kr skug'sug'sqrik	aniky skugiga
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KINO	8		t of "Topographic anatomy a the discipline " Normal ca			stem"	52/11 Page.7	of 42 grand	. gn.k
C/E		8. KI. 1 KI. 8.	and SIW	0	y Kr	5	CO POR	I St a	3
6	S/L	Histology. Lecture No.2.	An idea of the developm		LO1	1		Feedback	~Q.
		Topic: Histology of blood and	and histophysiology of		S. Kug. 9	KI	everylew skilly.	(security	4,
17.14	4	lymphatic vessels.	arteries, veins, vessels of the microcirculatory bed		Ma.	911.	K1 6K1, 20.	questions)	C/KI
	1	2 skind reedlik	lymphatic vessels, age-	,	of the	. Ol	y. A Sky	10° 80°E	1 ,
S. O.			related features.	1	SKI	20.	-911, 17 exc	1. S. M.	
(0)	30.	Histology. Practical lesson	Vessels of the	7.	LO1,	-2	Small group	Practical	17.
TUO	0	#3.The theme:	microcirculatory bed.	917.	LO2,	SKING	work, checklist of	lesson)
5	60.	Vessels of the microcirculatory bed.	Arterioles, their role in blood circulation. Buildi	ng	L03		histopreparations, micrographs	evaluation checklist.	600
6	·	10 CL 30	Hemocapillaries.	ng. ⊘	0.911/61	1.	micrographs	KI SKI	(O.
1	SK	A Skug egniky skug	Classification, function a	and	D. 77	7.Fr	Ky skugies shi	IKI SK	Mg.
1		SK, 20, 971, 17 84	structure. Organ features	of	Skug. S	11/4	Si Ma.	13. 641.K1 (3
917.	1	SK SKUS'S SPITING SK	capillaries. Venules.	9,	KUIO	egnit	J.KJ Skuc	edu KI	SK
1	, ,	1 skill see with	Functional significance a	and	St. Mills). ⁶ 6	by the sky	13. 8/11.	1
₩.	W	Histology. SIWT 2.	structure. Arteriovenular	1	LO4,	40.	Working in small	Checklist for	
10	SO.	Arteriovenular anastomoses.	anastomoses. Importance	ė	LO5	Ca.	groups, defending	SIW	77/6
Til.o.		Task SIW 2.			1	SKIL	a presentation,	assessment	
5	40	Explain the mechanism of	for blood circulation. Classification. The structor of arteriovenular	ture	40.10		compiling a	1 Killio	60.0
5		regulation of the AVA lumen.	of arteriovenular	-0	SCANIF	1.	glossary.	Kr St	().
1	St	20. 901. 1 EAL.		KUS	30. 8911.4	1/Cr	glossary.	KI SK	20
. 4		SKU. S. STIK.	types.	5	LO10.	Y. 1.	Overview Sking	90. 1	SK.
2011	.1	Anatomy. Lecture 3. Superior and	Superior and inferior ver cava, portal vein: format		LOIO	190	Overview Skill	Feedback	St
20	7.4		- 47		SK	D	Over view	(security	
2.60		vein; formation, tributaries,	trioutaries, topography.	1	SK	20.	8/11. 1 8/	questions)	. 1
ing. di	60	topography.	Kr ex war	717.	A d	KI	D. W. J.	questions)	
0,0)·	Anatomy. Practical lesson 5.	The common iliac artery Internal iliac artery: branches, areas of blood	· ~	LO1,	2 ski		oral survey,	Sy.
5	KUS	Common iliac artery, internal	Internal iliac artery:	₩.	LO2,	1,	work in small groups with anatomical	oral survey,	eq.
	F.	iliac artery: topography,	branches, areas of blood		TO3	1	groups with	Angagement d	do.
R	3	branches, areas of blood supply.	The common iliac artery Internal iliac artery: branches, areas of blood supply.	Killic	a.e.	WELL	preparations,	oral survey, assessment sheet for solving	40
). (C	1	Suppry.	The external ilian artery	つ 、	ilio 6	0, ()	torso, dummies,	solving	SK.
97.		exu. Der Mit	Femoral, popliteal, anter	ior S	Ma.	egn	posters, on the	situational	
. >	17.1	T skill ago with	and posterior tibial arteri	ies,	St. X	Ø	interactive panel	tasks,	1
D. C.	<i>y</i>	Anatomy. SIWT / SIW 4. Blood supply to the heart,	Internal iliac artery: branches, areas of blood supply. The external iliac artery. Femoral, popliteal, anter and posterior tibial arterifoot arteries: topography branches, areas of blood	, <u>(</u>	, sk	Skug;	"Pirogov" and/or	assessment sheet for	1
illo	2.00	Willy S. Wo. Ego	branches, areas of blood supply.	917.	21.KZ	SKI		assessment sheet for completing test tasks	77).
10	O	60, 1/4 2/ Ws. 9	suppry St.	5~	7. K	SK	situational tasks	test tasks	.00
5	0	o. Egn Kr Egn War	egn. Kr ekn.	√Q.	47.12		EXU. 2.60 11/4	1. King	10.00°
/ 0	3	Anatomy. SIWT / SIW 4. Blood supply to the heart.	Blood supply to the hear	it:	LO4 LO5	1/5	- Preparation and	Orai	
		SIWT/SIW4	coronary arteries and	SKIN	LO5 LO5	11).Kr	protection of the	interview.	Skill
3.603.	1		St. 3. 1.	5	KILLO S.	20.	presentation;	Assessment	SK
92.	· \(\(\)	SIW Assignments: 1. Name the coronary arteries	Legenous dramage.			Visign Fills	-execution of the arterial flow		
>. ;	977.2	and their main branches	1. 2 1/10 800	Kr	5	U.S.	arterial flow pattern	forms of	1
0.	,	involved in the blood supply	Fr 2, "Wo. 6gg	K	1 5	20	edu 12	17,	7
S. E. S.	10.0	to various parts of the heart.	gniky skulger	911.	P	ek,	20° 2011. 11	completed assignments.	601
, 13	10.	2. In the schematic drawing of	ky skur skug'sqn'ky	<u>`</u>	10. Tr	S.	1, 9, 71/4	assignments:	Jey ,
I Sta	110	2. In the schematic drawing of	Kruge of the skuge	~Q.	igegnis	1	pattern de stende dit	Sprikt Skur	, S
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V GF	the heart, identify the arteries and their vascularization	iging spirit is skulging	egn'k	5 6	ye. Wa. An.	I SK	
1.4	zones, comparing them with the clinical risks of their	skug's gniky skuis	s. egg.	J.K2	ski kusi se	3:6911/KY 84	1.
10 911.Y	1 2 20. W. V	skug egniky skur	s. Milio	edu.	February Strug St	3.00 du.Kr 12	5
8	Anatomy. Lecture 4 Venous anastomoses.	Kava-caval and portocaval	LOT	0.0	verview	Feedback	1.KL
3KILL IN	Anatomy. Lecture 4 Venous anastomoses.	anastomoses.	N.K. 1	kus.0	verview A	(security questions)	egn.
1	Anatomy	Superior vena cava:	L01, 2		ork in small	oral survey,	√0. 5.
1	Superior vena cava:	formation, tributaries, topography. Jugular veins. Subclavian vein. Unpaired	LO2, LO3		roups with natomical reparations,	assessment sheet for solving	SKY,
000	topography	and semi-naired veins	100.	o to	orso, dummies, osters, on the	situational	1
10.	formation, tributaries, topography	.K1 skugie skugiednikt	Kr gkn	(1)	osters, on the tteractive panel Pirogov" and/or	assessment sheet for	N.KI
Street St.	Lasting equity sking equity	edulk ky skrig edulky	W.Y.	so	olving test and tuational tasks	completing test tasks	edu
1	Histology. Practical lesson #4. Topic:	Veins. The structure of the vein wall in connection with	LO1, 2	S	mall group	Practical	A.
2011.[1	Veins. Lymphatic vessels	~ · · · · · · · · · · · · · · · · · · ·	EO3 CO	hi m	istopreparations,	evaluation checklist.	SKII.
140.811 5971.61	ing edu. Kl. skring edu. skring ed	veins of various types. The structure of venous valves.	SKULY C	edu	ing squist sking	Usiec egnitin	1
NO.	ing edniky skulg edniky skulg edniky	Lymphatic vessels. Structure and classification.	Kr sky	Vo.	ing equity exp	Ky skugedn.	17.17
SKINO	Tus eg egniki er ektus e	Structure and classification. The structure of lymphatic capillaries and various types				skilling.e	edi
		Arterial blood pressure.	600	Pi	reparation and	A checklist	~0
K	Factors that ensure the	Arterial pulse. Blood circulation time. Systolic	LO4 LO5	pı pı	rotection of resentations.	for evaluating SIW	SKUS
		and minute blood volume. Methods for determining	LO4 LO5	S. GIII	it sking	Wason Sprike	1 3
TUO!	of blood flow. SIW Assignments: Draw a blood circulation diagram showing pressure gradients. Anatomy. Practical lesson 7. Inferior yena caya: formation	Methods for determining systolic and minute blood volume. Inferior vena cava: formation, tributaries	LO4 LO5 SKITO	Wo Va	reparation and rotection of resentations.	Skug egnik	MIK
10,	SIW Assignments: Draw a blood circulation	a edu. Kl. skrice sede	LO1, 2	94°,	ma. gedu. K	skill ind	60
/ 2	diagram chowing proceura	o. Sanith skill	sedu.Kl	K S	sking of	1. Kr 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	10.
3.F ¹ 9.	gradients. Anatomy, Practical lesson 7. Inferior vena cava: formation, tributaries, topography.	Inferior vena cava:	Table 1	297.W	ork in small roups with natomical	oral survey,	SKI!
). O	tributaries, topography.	topography. Veins of the lower extremity,	LO2, LO3	gı	roups with natomical	assessment sheet for	Kr c
FILLS	tributaries, topography.	topography. Veins of the lower extremity,	X 5	to	reparations, orso, dummies,	assessment sheet for solving situational tasks,	411.X
Str	CONTRACTOR	on it sking.	711.1	po	osters, on the	tasks,	
	T skug squikt skug squikt skug skug squikt skug skug squikt skug squikt skug skug squikt skug skug squikt skug s	lower extremity.	is equity	J.K.	osters, on the	sheet for solving situational tasks,	rug.
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edu.	«Онтустік Қазақстан медицин	MEDISINA AKADEMIASY a академиясы» АҚ	EDICAL CADEMY O «Южно-Казахо	танская медицинская акаде	мия»
Mg.	Di Chia	epartment of "Morphophysiolog at of "Topographic anatomy and		42/11	of 42 assessment
4, 3	Work study program o	f the discipline "Normal cardi		n" Page.9_c	of 42
gh.	T Skulg egnik Sqnik Skulg e	raedrikt skur	,eb edu. Kr	interactive panel "Pirogov" and/or	assessment sheet for
	e Allo Sign Miky Sk.	ing edu. Kr sku	(4.9° 69).	solving test and	completing
177.14	T Skug's egn. KT Sku		Kus. Egi	situational tasks	test tasks
Egir.	Physiology, Practical lesson	Regulation of heart activity Intracardiac regulatory	LO1, 2 LO2,	discussing the main issues of the	Oral interview,
Ø. 6	.3:4 Skinetica resson.	mechanisms. Extracardial	LLU3	topic, completing	assessment of
Killo.	Regulation of cardiac activity.	regulatory mechanisms. Humoral regulation of hear	N. K. 3	test tasks, solving situational	the performance
s. Ki	ig. egni. Ky ekusig	activity.	911.	problems.	of test tasks,
2	skus egnikt skus ekus	Wasquiry sky	3.8db, 6411.K1	problems.	assessment of the solution of
1	sking edu. Kr skn.	Wo segnith st	12/19. 69,2	IK SK Wa.	situational
90.	Anatomy, SIWT / SIW 5.	Facial veins. Sinuses of the	2 2 2 1/2 3	/4 Preparation and	tasks Oral
OU	Facial veins and their	dura mater.	LO4	60 15 5	interview.
10.	connection with the sinuses of	dura mater.	LOS		Assessment
17/0.	the dura mater (clinical significance). SIW Assignments:	dura mater. A sking edur	80.E 2 6	-execution of the scheme of the	sheets for all
ST	significance). SIW Assignments: 1 Name the main veins of the	edu.K1 skriva.e	du.k	veins and areas of	forms of
4.	face and indicate the ways	600 KV SK X	10, 390, 1	venous outflow.	completed assignments.
K1	they are connected to the	Eugisquiky skugis	is equition.	AT SKILL SO.	911, 12 SKU
2011/1	venous sinuses of the dura	Kus. egn 141	St. Ma.	gn. Kr sky vs	e guit KI è
200.00	2. Explain the mechanism of	er Kus. Segn IIIY	Sk. Mg.	em. Kr ex.	10. Spr. 12
~O.	retrograde spread of infection	1 Stylio Sept 11	E SK.	us. Egn. Its ex	Mg. Squ.
100	cavity through venous	1. 1 s sking seg	N. T. Sie	Rus. Egg. 1/1	ekugiginik
S. A.	anastomoses. 3 Analyze a clinical case: a patient with a pasolabial	adult 12 skine of	50 Mith	er Augo Segr Miky	SK. Ma. eg
5	patient with a nasolabial	de guit 12 strice	3. CO. 711.	1 s. Hay a ede	it strugg.
X. 1	triangle boil — justify the	Ma. Sqn. Kr sk	11. 20.E. 11)	1 3 Skills 3:00	11. 1 ST 14.00
egn. 12	possible risk of intracranial complications, referring to the	of Mo. Egg. A	St. 20.	30 12 skill 2	er With 1
SO X	anatomical features of venous	er Kus. sqn. Kr	SK. 10.	gui. Kr exu.	Edn's skug's sku
~ 10	they are connected to the venous sinuses of the dura mater. 2. Explain the mechanism of retrograde spread of infection from the face to the cranial cavity through venous anastomoses. 3 Analyze a clinical case: a patient with a nasolabial triangle boil — justify the possible risk of intracranial complications, referring to the anatomical features of venous drainage. 3 Anatomy. Practical lesson 8. Portal vein: formation, topography, tributaries.	Portal vein: formation, topography, tributaries.	LO1, 2	work in small	oral survey,
· 1.	Portal vein: formation,	topography, tributaries.	LO2,	groups with	8, 70, 90
SKI	topography, tributaries.	duit is exuite a	C LO3(L)	anatomical preparations,	oral survey, assessment sheet for solving situational tasks,
/ è	the way of the sky	10. 811. 12 SKULO	e Kug'egn's	preparations, torso, dummies, posters, on the	solving
1.12	24, Ws. Syr. 15 342	20. 891. 12 st	11, 30'er 41	posters, on the interactive panel	situational tasks,
, 11/4	St. Kus. Sqn. Kr	ex was egn, kr	SKI, WO.	"Pirogov" and/or	assessment
3.00°	11. 1 St. Mus. Egn. 11/5	St. Was Eggs. K	The Sking of	solving test and situational tasks	sheet for
	T skug-gg-ggi-kl-gkug-ggi-kl-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-gkug-ggi-kl-ggi-kl-gkug-ggi-kl	Portal vein formation, topography, tributaries.	J. A. Skus eg	situational tasks	sheet for completing test tasks
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,	e C	Dè	epartment of "Morphophysiology"	V St 3	42/11	KI O. W.	Fr
No			it of "Topographic anatomy and hi		52/11	ille 60	1
-	D.	Work study program of	f the discipline "Normal cardiov	ascular system"	Page.10	of 42	Sylv
3	7.	0. 9n. 1 % 2.	The basic laws of	LO1, 2	discussing the	0 1 0	5
	CKU	Physiology.	hemodynamics. The	LO2,	main issues of the	oral interview,	₹0.
		Kills Bo I'Kh Bi	movement of blood through	LO3	topic, completing	assessment of	
1	'	Practical lesson .4	the vessels. Vasomotor	3. 11.	test tasks, solving	the	150
5	1	The basic laws of	center. Reflex and humoral	Kur Ser !!	situational	performance	5
-8	7.	hemodynamics. The	regulation of blood vessels	SKIND NO. ON	problems.	of test tasks,	
y. O.	101	movement of blood through	Ky skug. degn. Ky	St. Wo.	911. KJ 8KI.	assessment of	.1
	S.V.	the vessels.	Kr ex. wa. apr.	1. 14.	. 40.	the solution of	1
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	FU.	Anatomy. SIWT / SIW 6.	Kava-caval and portocaval	LO4 1/4 6	E. 50. 911.	1 6K1 00	
, 9	1	Cava-caval and portocaval	anastomoses.	LO5	- Preparation and	Oral	0
レ	5	anastomoses.	ekugedni, Kr	V. 77.	protection of the	Oral interview.	U.O.
		SIW Assignments:		skug egg.	presentation;	o Fr S	, ,
17.	4.	1. List the main areas of the	"Wa. Egn. Kr Ek	Mg. Syr	K 84, 20.	Assessment	KI
J.	The	cava-caval and porto-caval	St 43. 97. 15	St. 3. 8	-execution of the	sheets for all	-5
0	,	anastomoses and indicate the	SK, S. MI.	SKIND OF SKIND	scheme of the	forms of	
Ø.	90	participating veins.	Ky skug'edn'ky sku	1 SKILLING.	veins and areas of	completed	1
	۶. م	2. Explain the functional	14 2. 140 80c	Kr dr V	venous outflow.	assignments.	7.
15		cignificance of portocoval	The second second	3971 X 3 2 8 KU	Kugi giedniniky	Tru. Se	111
5	do	anastomoses in portal		411.	Kui Jer Wife	to skusies	60,2
C	St.	hypertension.	. W. 1. Will a	37 11.14	I'M'S EDE	Kr Sk V	D
1	X	nypertension. 3. Analyze the clinical case of portal hypertension and	O. 1	egn. 11.K2	skugien egnik	K SKU	20.
	1	portal hypertension and	kug'egn'egn'eg egn'eg ekug'eg	S. 90.	1 skug egnik 1 sku	N). 1 3	FU.
K	V	indicate through which	F. 20. 811. 1 24	Those egn,	1 XXX	S. With a)
90	1	venous anastomoses collateral	ext. J. Will 1	Thus so	11/4 2. Wo	ear Kr	SK
	90.	blood outflow can be carried	Kills 60 11Kr	2, 100, 0	2 KJ 84.	Us. Spr. 1	1
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00	SO.	Histology	Consolidation of the	LO4 1	Written response	MC .	Vitr
	Ø.	D. 1 A	N 10.7 . 1 27	LO5	to tickets	assessment).).
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	2.	40 80 Kr 35 V	deadlines., SIWT / SIW	· · · · · · · · · · · · · · · · · · ·	CKII J. N.). T. 1. 14.5	_
Kr	Interi	im assessment hours	3. 9. T K	12 hours	1 15/10 60	Fr 8	"U,o

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911.	1	The second of th	of the sky way of the sky way of the sky
. 8	J. 9.	Teaching and assessment methods	Sear Mit 1 st this sept mit st miss egn. It
Mg.	9.1	Lectures King. Hill. All SKI	Introductory lecture, review, feedback (security questions)
10	9.2	Practical exercises	Work in small groups with anatomical preparations, torso,
SK	Ng.	30° 1 34° 20° 30° 1	dummies, posters, on the interactive panel "Pirogov" and / or
/	x, 3	, 911, 1 sty, 3.00 Miles	solving test and situational tasks.
.4	KU.	Je Mit & Rue Born	Discussing the main issues of the topic, completing test tasks,
7.4.	1	the so the se the square	solving situational tasks.
· . \	V 9	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Small group work, checklist of histopreparations, micrographs.
917.	9.3	SIWT/SIW	Preparation and protection of the presentation;
D. 3	17.	Thursday The State of the State	Execution of the scheme of the veins and areas of venous
0	. 11).	S. The sor its six	outflows 1 3 20 20 10 11 20 20 20 20 20 20 20 20 20 20 20 20 20
Mic.	600	th 22 30. 30, Tr 34	Working in small groups, compiling a glossary.
7	Ø9.4 8	Midtern control	Written response to tickets (situational tasks)
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79.°	911/4	1	Department of	tment of "Morphophys" "Topographic anatomy			2/11	du.t
FILL	9. °9	W	ork study program of the				Page.11_of 42	egn.
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	10.1		ria for evaluating the			e S Well	edu Kr s	Mg.
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٥٠.	977.	1 4	subject and tasks	of the discipline	disciplines, but		explains the	y KI
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		11/4	physiology, their importance for	medicine.	and with errors	g of the importance	importance for medicine.	1 0.
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.1.	3 1/2	LO2	Knows and	It does not	Recognizes	Recognizes	Confidently	- CKUIT
MAN	5	Mio	understands the	recognize	with difficulty,	structures,	identifies	1 345
J	Kr	51	structural features	anatomical and	makes	describes	structures and	7 5
egi	KL	St	of the heart, blood	histological	inaccuracies in	them with	accurately	N.K.
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13.ed)	1. V.	3 15	structure of tissues.	Kula et edilik	Explains it with errors or	BUIL S	SK1. 20. 41).	.1
V. 60	THO OUT	LO3	Understands the	It cannot explain	Explains it	Provides a	Confidently and	80.KL
10	e0	Kr		the st to	with errors or	detailed but	fully explains	in Whi
MI	egr	Wasan sqn X	processes in the	the physiological	superficially	incomplete	the physiology	Skugigi
5	Wg.	egn.	Jheart regulation of l	physiological processes and regulation	supericiany	explanation of the processes	and mechanisms	in equ
9		. 691	cardiac activity. It		i, Ser Mit	of the	of blood	Ma.
(L	5	GO.	is able to explain	D. 70.1.	exur ver	processes	circulation	St. Wo
	3		the mechanism of	Dogs not know	sking edilik	WKV ST	circulation /	Skills
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		LOAN		Does not know	He knows the	Confidently	Independently	
	14.00 P. 19.00 P. 19.	.4,	He is able to apply the essence of	the methods,	methods, but	uses	Independently applies methods, explains their meaning	90. (1
	ALLO LIE	7.4	research methods	cannot explain	he can't put	methods, but	explains their	411.16
Ku	~ SO). 6971.KJ		5' 20	thomainto	noode to be	explains their meaning	9. X
9	KUIC	, eo	structures and	their principle circ	practice.	adjusted	meaning st	W. W.
7	SKUS	FILLS S	functions. widely	egn. K1 eg	skulging ellik	adjusted	0. Mr. V	KING
KL.	5	Wa.	used in practical	(3. egn. 12	SK1, 20. 41	J. I HE	100 Miles	SIM
	1 3	~~~	medicine.	. W . 1	practice.	W. T.	The so the	5,
edu	8.697.X	LO5	He is able to	Does not analyze or understand the	Partially analyzes, but	Analyzes	Deeply analyzes, reasonably interprets clinical	Kr c
	In K	V B	analyze and	analyze or	analyzes, but	information,	analyzes,	K
Wa.	egn.	J.KZ	information	understand the	makes	explains its	interpreta	egn. A
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	rtment of "Morphophysio f "Topographic anatomy a le discipline "Normal ca	and histology"	" Line ed 1	2/11 2/11 Page 12 of 42	Macgn. K
course of practical skills, determines its significance for characterizing the	received skill	akug ediku	the body	significance	1 Skugs St
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Assessment methods and criteria

Checklist for practical training

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Checklist for prac	ucai training	2. %). 1. A. C. (1).
Oral response	Kr. 30 Miles 3 Mg	in so the service of the state of the
Form	Evaluation	Evaluation criteria
of control	SK 30. 90. 1	K. 3. 11. 6. 14. 3. 40. 80
Oral response	Great	The student did not make any mistakes during the answer, was guided by the
14000 14	Corresponds to the estimates:	theories, concepts and directions of the discipline under study, gave them a
24 Va. 9/1	A (4,0; 95-100%);	critical assessment, and also used the scientific achievements of other
CKII O.	A- (3,67; 90-94%)	disciplines.
S. Mo	V. Kr. 2, 3. 90.	7 2 0. 11. 1 1/2 0. 11. 1
1 2 de. 20.	Well 1 st	The student did not make any gross mistakes during the answer, but made
in it at	Corresponds to the estimates:	inaccuracies and unprincipled mistakes, corrected by himself, managed to
11/4 3 110	B+ (3,33; 85-89%)	systematize the program material with the help of a teacher.
St. St.	B (3,0; 80-84%)	3. 17. 1 The se 11/4 2 14.
, N 1	B- (2,67; 75-79%)	ye on the s. Wo on to sk is. In.
er life.	C+ (2,33; 70-74%)	40. 90, 17 3k, 10. 90, 17 5kl, 16, 17
Wo egg X	Satisfactory	The student made fundamental mistakes during the answer, limited himself
W. 90. 1	Corresponds to the estimates:	only to the educational literature indicated by the teacher, and had great
ex, v. m.	C (2,0; 65-69%)	difficulty in systematizing the material.
2 Mg Bar	C-(1,67; 60-64%)	5 34 vs. 89. 1 34, 3. 11, 1
St. Ja.	D+ (1,33; 55-59%)	in the second second second second
12 SKI 20.	D- (1,0; 50-54%)	With 2, Was Egg Its 34 Was Egg, 18 24
). 1 X.	Unsatisfactory	The student made gross mistakes during the answer, did not study the main
The S. "G	FX (0.5; 25-49%)	literature on the topic of the lesson, and failed to use scientific terminology in
890 KT 8K	F (0; 0-24%)	histology and physiology.
· Ego KI	ex. 40. 690. 17 ex	The second of th
Checklist for evalua	ating work in small groups	The soult so the service of
Evaluation criteria	for the description of anatomical	preparations of the street of
Full name of the stu		the same of the sa

U.O.	ego IKI	F (0; 0-24%)	histology	and physiology.	II. See Allike	1 XINC	60 11/Kr
11/1/3	ed, Y	J 24 43. 690. 17	ex vo.	du. 11	Ku. 3.60 11)	1. 3. 1.	80.
St	Checklist for	r evaluating work in small group	os 1. Skr.	D. 771.	Thur so	With 8	Mo Egi
c	Evaluation c	criteria for the description of ana	tomical preparati	ons &	S. Mo.	80 KJ 8	20.
.1	Full name of		Kr S	180. Sp.	V 24. 30	. 20. 12	1 % 3
1	Nº Nº	Criteria for evaluating steps	Great	Well 70-89	Udovl	Failure	· Kal
1	steps	10. 90 KJ 34, VS	90-100 He gave a clear	I gave a fairly	50-69 I partially	0-49 I couldn't	9,
900	KI SK	20. 911. 12 EXI	and	complete	completed the	complete the	Ar S
9)· (1	CALL 9. 101. 1	comprehensive	answer, but I	task: I was	task: I couldn't	12
- D.	111.12	Alle So Hite S	answer,	was confused in	confused in the	name the	80.
ille	So Ith	S. Mo Egg Kr	correctly named	terminology; I	answer, I did not	anatomical	10, 70,4
0	0, 690	5 3k 23. 391. K	the organs in	made minor	provide the full	structures	e C
St.	V3. 9/1)	Y Skur Skus so squik	Latin and	inaccuracies	names of	Kr St	13. 9
/	1	11. 1 Kill 3.60	Greek.	in Bon /K	anatomical	690 KJ 6	£ 20.
1	Kills of	st mit s kills ec	is like sign	Mg. Egg.	structures.	697. 12	SKII 28
7.4.	1.	The student recognizes the	18-20	14-17,8	10-13,8	0-9,8	1 Kai
· / ·	5	organ, gives its name in Latin,	y. 9/11. YT	SK. SS.	80. 1 8	tu. 500 77/4	
Syr.	X St	and, if necessary, in Greek.	1000	94 17 00	0 100	0/00	Kr &
D. (3 ⁰² .	The student describes the	18-20	14-17,85	10-13,8	0-9,8	50 (1
~Q.	77.	holotopy of the organ using professional terminology	, My BOL	Kr Sk	43. 39p K	sk so.	90.
Fills	3: 111:	processional terminology	3, 10.	30 17 3	70.00	VI GY	7.1.1
),	io soci	Kr 24 Wg. 890, A	1 54 0	-917.	exil. See y	1. Y.	,, 60
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MA	1 S. KINIO	Eas Ith 24 Wa.	egn K1	exhiging squit	I SK. SKUG'S	3.0 11.1	1. 1/1
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,	Tille	00	Departm	ent of "M	orphop	hysiology"	9	7	Q.	90.	42/11	SK.	(
Ç	2	Departn	nent of "T	opograph	nic anat	omy and his	tology"	1/2		0	52/11	M	1
/ork	study	nrogran	of the d	liscipline	" Norr	nal cardiova	scular s	vstem'		0,0	Page 1	3 of 42	

SK	o. Egg. to sky, to sky, to sky, to sky, to sky, to sky, the sky, the	. eg
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3.6911.14	MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ АСАДЕМУ АС «Южно-Казахстанская медицинская академия»	, s
KW9.8C	Department of "Morphophysiology" 42/11 Department of "Topographic anatomy and histology" 52/11	J. 101.K
	Work study program of the discipline "Normal cardiovascular system" Page 13 of 42	SO.
l ski	The student describes the skeletotopy of the organ using professional terminology	y. Wasa
171.K	The student describes the organ's syntopy using professional terminology	3K SKIN
's egn	Describes the anatomical structure of the organ. 18-20 14-17,8 10-13,8 0-9,8	
Aug.	ne maximum score is 100. Total points Teacher's signature	an.

	structure of the organ.	
The maximum	n score is 100.Total points	Teacher's signature
9.00 Mit	1 & KUL BOOK IKE SI	The sp. to sp. was sp. 15 st. 36 Mil
Checklist for	evaluating work in small groups	2 2. 9, 1 4 4, 0; M. 1 4, 1, 50,
Ma. Ogl.	Great St. A.	The students, allocated to a small group, actively participated in th
Working in	Corresponds to the estimates:	fully correctly answered questions during the discussion.
small	A (4,0; 95-100%);	The structure of the structure of the structure
groups	A- (3,67; 90-94%)	1 1 2 10 10 10 10 10 10 10 10 10 10 10 10 10
1 2	Well of the second	The students assigned to the subgroup actively participated in the d
Kr St	Corresponds to the estimates: B+ (3,33; 85-89%)	problem by making mistakes that were corrected by the students of
300 12	B (3,0; 80-84%)	3. Mil S. Fill S. S. Mily S. Piller S. P. H.
8911. KI	B- (2,67; 75-79%)	Kur Sieg Mig. Sup. Sup. Sup.
D. 471.	C+ (2,33; 70-74%)	, This so was son to st. w. sp.
30. 77	Satisfactory	The students assigned to the subgroup actively participated in the q
Killy Sign	Corresponds to the estimates:	problem by making mistakes that were corrected by the students of
ekna.	C (2,0; 65-69%)	discussion of the main issues of the topic, during the discussion the
SICIO	C- (1,67; 60-64%)	the subgroup themselves
to ex	D+ (1,33; 55-59%)	Mile of the second of the seco
× 12 6	D- (1,0; 50-54%)	80 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
20.1	Unsatisfactory	They could not find the correct answers to the main questions of th
er Mit	FX (0.5; 25-49%)	use scientific terminology when answering.
600 KI	F (0; 0-24%)	the same of the sa
Wa. asgr.	to 34 40, 90, 17	Ski, Si, Mit I skill Sign Mit S. Mo Oge
	situational problems	Evaluation criteria
Form	Evaluation	Evaluation criteria
of control	6, 1- 3. Via	The 22 50. 90 1 34 35 35. 11. 11.

a	Solving situationa		The state of the s
1.1	Form	Evaluation	Evaluation criteria
1	of control	Fr 22 80. 90	T 3, 50, 81, 1 41, 50, 111, 1 14,
I V	Solving situational	Great	He actively participated in solving situational problems,
911.	problems	Corresponds to the	showed original thinking, showed deep knowledge of the
. 8	Mill of the office of the offi	estimates:	material, and used scientific achievements of other
00	. William	A (4,0; 95-100%);	disciplines in the discussion.
U.O.	ear Kr ex	A- (3,67; 90-94%)	20. 911. 1 sty 3. 11/4 1 style 3. 11/4
- 2	9. 9p. 1 2k	Well do	He actively participated in the work, showed knowledge of
SK	0. 80.	Corresponds to the	the material, made unprincipled inaccuracies or errors
	tu, ve mit	estimates:	corrected by the student himself.
1	KWG BOT KI	B+ (3,33; 85-89%)	corrected by the student infinseri.
Kr	1 Skug's a'sqn	B (3,0; 80-84%)	To the significant of the signif
	1 st 20. 91	B- (2,67; 75-79%)	Mile of The S. This Go. The St.
90.	12 ext. 2.00	C+ (2,33; 70-74%)	5 1/4 2 1/40 8pt 1/5 34 1/0. 8p. 17 5
·	The same	(2,55,70 7+,0)	Egg. 17 24 35 17, 1
0	ith si Wo	edt KI ek	(3. 2/1). 1 2/1, 25, Mr. 1 3/1, 2'6, Mr.
Ma.	of the sk	20. 9/1. 17 8/4	So Mily So Mily So Mily So Mily
K,	(a. 20). (1 ex	2. 2. 80. 1.	The sec life s. The sec to se us. Sp.
CKI	-9. XVI. 1.	skuo osedu. W.K.	2. "Us of the 24 Us. "As the 25" !
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«Оңтүстік Қазақстан медицина академиясы» А	The same of the sa
Department of "Mo Department of "Topograph	orphophysiology" 42/11 52/11
Work study program of the discipline	
Satisfactory Similar	When working in a group, he was passive, made
Corresponds to the	inaccuracies and fundamental mistakes, and had great
estimates:	difficulty organizing the material.
C (2,0; 65-69%)	1/4 24 W. 891 Tr 34 W. 811. Tr 341.
C- (1,67; 60-64%)	of the experience of the same
D+ (1,33; 55-59%) D- (1,0; 50-54%)	391. To 341, 20: 911, 18 341, 3:60 Mig.
D- (1,0, 50-34%)	3. 91. 1 kg. 3.6 m/z 1 kg. 30 11/4
Unsatisfactory 1	He did not participate in the group's work, answering the
FX (0.5; 25-49%)	teacher's questions, made fundamental mistakes and
F (0; 0-24%)	inaccuracies, and did not use scientific terminology in his
J HI Was Strik T Stur wish With	answers.
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	or assessing practical skills acquisition	SK, Va.	211.	SKII SO.	111.1	L X
Full name	e of the student	12 cx	D. 777.	1. 41	80, 11/4	5
1	34 3. 47. 3 AU. 36 M	in a real	in on it	V 5,	10. 600	K
№ п/п	Criteria for evaluating steps	Level	Mo. ogr	Kr Sk.	√o. ≤	S). I
Solvier	I skille eq. 14, ex. We.	Great	Well	Satisfactor	Failed	40.10
e _O	it 2, 40, 39, 1 24, 20	90-100	70-89	V	0-49	(0)
U.S. 500	Mix 3x Mo. 6gn. 15 8kg	Us. Spr.	& Skill	50-69	T SKU	. S. O. S. O
177	The correct location of the organ on the	18-20	14-17,8	10-13,8	0-9,8	Killin Die
SKING	torso, skeleton and on a living person	SKI, KIUG.	801. KI	skill ligies	,du.K1	SKING
2.	The student must give the full name of the	18-20	14-17,8	10-13,8	0-9,8	1 54
J. 4	organ and describe its general structure.	1 3 X	la. segn.	A SKI	Was Egn.	K
3	The student must name the structural	18-20	14-17,8	10-13,8	0-9,8	So KI
90.	elements of this organ.	es it	S. Wo.	gr Kr	St. 20.	90.
4.0	After listing the structural elements of the	18-20	14-17,8	10-13,8	0-9,8	3. 40
The second	organ, the student must show it on posters,	Us. Spr.	R SK	10. 911.	12 GKS	. O.
KILLO	tablets and give a description of it.	, 20. eg,	1 SK	% N	.1	Kills
5.	During the description of the organ and its	18-20	14-17,8	10-13,8	0-9,8	KUG
SK	structural elements, the student should tell	· SKIL S	80° XV.K	-Killie	ec litr	9,
W C	about the age characteristics of the organ.	12 skins	5.60 Mits	1 strio	Georgia III	EL SK
The maxi	mum score is 100. Total pointsTeac	her's signature	7000	Y. 8.	160	Kr
THE HIGH	Total points Total	inci 5 bigilature	Min son	Kr S	Mg.	90, 1
Criteria f	or evaluating the implementation of the scheme (art	erial passages)	2, 100.	6gr K1	ex, vo.	911.
00	The same of the state	3. 90, 1	st so	30. 1	chi.	10. XI
No C	riteria for evaluating steps	30 10.	L	evel	1	The So

Criteria for evaluating the implementation of the scheme (arterial passages)

. 8	<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W
0.0	The ma	aximum score is 100. Total pointsTeacher's signature	7.6
W.C.	80.	The state of the state of the state of the state of	With
	Criteria	ia for evaluating the implementation of the scheme (arterial passages)	60.
SK	No.	Criteria for evaluating steps Level). ⁶ 9
/ 6	п/п	Great Great Great Great	Mg.
1	SKI,	90-100 90-100 90-100	K, W
7.	1 3	THE SOUTH SOUTH ST. 100	SKI
77),	1.	The student must correctly find and draw a 18-20 14-17,8 10-13,8 0-9,8	ک ک
60	Kr	diagram of the arteries	1.
	2.	The student must give the full name of the arteries $18-20$ $14-17.8$ $10-13.8$ $0-9.8$	11/4
Mg.	9/1	in Latin. A Si Ni A A Si Ni Si	70 /X
7. C	∂·3	The student must correctly indicate the 18-20 14-17,8 10-13,8 0-9,8	900
SKI.	70.	, mi. I sky sign might a klyr eq. "ith ex "lug. Egg. Ith ex "	(D.)
1	KU.	Significant of the second of the state of th	~0.
.4.	KIL	is to "Tite of the open to the stands. And the stands of t	KU.
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SX.	3. M. 1 H. 30 M. 2 Ku 60 H. 3, W. 60 H. 24. Vs.
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1	s, The Eq. 14, 24 Mg. Egg. At 24, 29, 29, 17 34, 25, 17, 1 Alle
Kr	S. Co. Sp. A. Sp. Sp. A. Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp
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>. >	«Оңтүстік Қазақстан медицина академиясы» АҚ ОО «Южно-Казахстанская медицинская академия»
~₽. Ø.	Department of "Morphophysiology" 42/11
KILL	Department of "Topographic anatomy and histology" 52/11
, ,	Work study program of the discipline "Normal cardiovascular system" Page 15_of 42
St.	topography and projection of the arteries.
V :	4. I have to list all the branches of the arteries 18-20 14-17,8 10-13,8 0-9,8
.1	5. The student must specify the areas of blood 18-20 14-17,8 0-9,8
N.F.	supply. On the state of the sta
	h s. Wo og to sh w. M. To sh. w. M. To sh. w.
eor	Criteria for evaluating the implementation of the scheme (vein formation)
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Criteria for evaluating the implementation of the scheme (vein formation)

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Criteria	a for evaluating the implementation of the scheme (vein for	mation)	360 11/4r	S. Mo.	Syr	Kr d
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№	Criteria for evaluating steps	KI SK	Leve		Δ.	777.
п/п	Kr 24 40. 90, Tr 34, 20. 5	Great	Great	Great	Great	So, "I'A
Ø.	90, 15 ex, 20, 90, 15 th, 30	90-100	90-100	90-100	90-	Sylv
	Mi T The sea Mit a Mu	ec, Kr	2, 20.	6gr KJ	100	20.
1.	The student must correctly draw a diagram of the	18-20	14-17,8	10-13,8	0-9,8	7, 9.0
SKY	formation of veins.	Mg. egn.	Kr SKr	Mg. Synit	1	SKILL
2.	The student must give the full name of the veins	18-20	14-17,8	10-13,8	0-9,8	· cki
it.	in Latin.	ex vo.	-911. IS	CK.	111	.1
3	The student must correctly indicate the	18-20	14-17,8	10-13,8	0-9,8	1.Kr
sgr.	topography of the veins.	. 1 EXS	7. N	Fr S. Killio	60	Kr
4.60	Must indicate all the tributaries of the veins.	18-20	14-17,8	10-13,8	0-9,8	egic.
25 .	The student should indicate the areas drained by	18-20	14-17,8	10-13,8	0-9,8	, 9n
E. 33.	this vein.	egr 141	St. Wg.	edu. Kl	SKI.	20.

1	CKU, S. S. Mit.	1 410000	14 2 16 60 to 24 16 99. To	K. 20.
. 1.	THE SO.		resentation protection	CKU.
"I'A	Form	Evaluation	Evaluation criteria	N.
SOL	of control	80° 12 84° 6	Shirt the state of	V 5
30	V 34, 50	, 40. T KU	The student prepared a presentation on the topic at the appointed	KI.
~∂.	11). 1 KU	Great S	time, independently, accurately, with at least 20 concise and	N. (1
	er itr s.	Corresponds	informative slides, using at least 5 literary sources and having a	egn'r.
1100	Ear Kr 2	to the points:	detailed plan, provided diagrams, tables and drawings	SC
SK	Presentation	A (4.0; 95-100%)	corresponding to the topic, demonstrated deep knowledge of the	0. 690
3	protection	A- (3,67; 90-94%)	topic during the defense and accurately answered all the	20.
. 1	Au. 360 11/4	1 11 00	questions asked.	KI, S
1	sking sking sking sking	Well	The student prepared a presentation on the topic at the appointed	Kille
K	3. Ky skug. og	Corresponds	time, independently, accurately, with at least 20 concise and	5
SGD.	K1 SK1 28.	to the points:	informative slides, using at least 5 literary sources and having a	J 5
. 8		B+ (3.33; 85-89%)	detailed plan, provided diagrams, tables and drawings	1
0.00	egnit Kr skri	B (3,0; 80-84%) B- (2,67; 75-79%)	corresponding to the topic, demonstrated good knowledge of the	111.
Mg.	So, IKI S,	C+ (2,33; 70-74%)	topic during the defense, made non-fundamental mistakes when	0 11/5
	edu. Kasedu. K	C+ (2,55, 70-7470)	answering questions.	e _O
St.	20. 201. 1	Satisfactory	The student prepared a presentation on the topic at the appointed	10. 9
, 2		Corresponds	time, independently, but carelessly, with a volume of at least 20	20.
4.	KU1 60 11/4	to points:	non-informative slides, using less than 5 literary sources and the	CKII. 3
1.Kr	S. Mio Edic	C (2.0; 65-69%)	presence of an undeveloped plan, cited an insufficient number of	Killi
, 4	kug'eg egn'egn'k	C- (1,67; 60-64%)	diagrams, tables and drawings corresponding to the topic,	5
Syn.	1 Ekus egerlik	D+ (1,0; 50-54%)	answered questions uncertainly during the defense, made	F 6
). S	JIK & SKIND OF	N. 20. 1	fundamental mistakes	· A
₩.	Sp. 14 Sky	Olisatisfactor y	The student did not prepare a presentation on the topic at the	111.
TILLO	BO KIN SK	Corresponds	appointed time, or prepared it at	Sr. ""
D"	ip con KI	to FX score	the appointed time, but not thoroughly, carelessly, with less than	Wy eggs eg
SK	3kug se squik	KI EKUSIS EUNIN	it sky was squit to sky was a squit to sk	Ja. 5
V o	KII S. WI.K	1. Kills 2.60	th 2, "40, 60, th 24 40. "90, th 34	70.
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Department of "Morphophysiology" Department of "Topographic anatomy and histology" Work study program of the discipline "Normal cardiovascular system"

42/11 52/11 Page.16_of 42

(0.5; 25-49%)(0; 0-24%)

20 non-informative slides, without specifying literary sources, in the absence of a plan, made gross mistakes when answering questions or could not answer questions and did not defend the presentation on the topic.

ſ	911.	Evaluation criteria	, Wo	Lev	el	Str
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3	7.	of Springs Springs Springs Springs Springs	N.K.	S. KUL	ed	W.K.
	16	Assessment of the protection of histological micro-	40	28	20	0
1		preparations	eo.	Kr 3	4	690
	2	Evaluation of the protection of electronic micrographs	40	28	20	0>.
2	3	Assessment of glossary compilation	200	14)	10	0
Y		Total: State of the state of th	100	70	50	0/1

Preparation and protection of histological micro-preparations and micrographs

X	Form	Evaluation	Evaluation criteria	7.
1	Form of control	Evaluation	Evaluation criteria	Kills of
KL		K. S. V. O.		J. KILIO
K	Preparation of the	Great O	The student prepared a presentation of 3 micro-preparations	5
917.	presentation of	Corresponds to the	and 3 micrographs on the topic at the appointed time,	1 5
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	histological micro-	estimates:	independently, accurately, with at least 6 meaningful tables,	1.1
US. 80	preparations and micrographs	A (4,0; 95-100%);	using at least 5 literary sources and having a detailed plan,	10,4
60.	LU N. V W'	A- (3,67; 90-94%)	provided diagrams, tables and drawings corresponding to the	D. Kr
. 2		Kug's squ'kl sk	topic, demonstrated deep knowledge of the topic during the	690
CKI	-2. XV. 1.	The soulth s.	defense and answered all correctly the questions asked.	3. 40
	and its protection.	20 YEV	5 10. 9) 1 34 20. 20. 11. 11 St.	7. 00
9	"Wo son K	Well Well	The student prepared a presentation of 3 micro-preparations	KILLO
Kr.	ex. Mg. sqn.	Corresponds to the	and 3 micrographs on the topic at the appointed time,	21
). <	· · · · · · · · · · · · · · · · · · ·	estimates:	independently, accurately, with at least 6 meaningful tables,	St
77.	.kr skug edn. kr	B+ (3,33; 85-89%);	using at least 5 literary sources and having a detailed plan,	1 2
0	YY SKUGSO	B (3,0; 80-84%); B- (2,67; 75-79%); C+ (2,33; 70-74%);	provided diagrams, tables and drawings corresponding to the	1.
. S	Kr SK US	B- (2,0/; /5-/9%);	topic, demonstrated good knowledge of the topic during the	W. K.
No.	egnik Kr ekul	C+ (2,33; 70-74%);	defense, when answering questions I did not make fundamental mistakes.	On KI
1.	3. 40. 12	EL SOME TO A	Tundamental mistakes.	90.
KU	edu.k. skur	Satisfactory	The student prepared a presentation of 3 micro-preparations	10. Y
	The Go HA	Corresponds to the	and 3 micrographs on the topic at the appointed time,), V.
	skug'egn'kg	estimates:	independently, but inaccurately, with at least 6 meaningful	KING
K	ex. 20. 9n.	C (2,0; 65-69%);	tables, using less than 5 literary sources and the presence of	SI WE
2.	1 24 20. 4	C- (1,67; 60-64%);	an undeveloped plan, cited an insufficient number of	SK
77).	M.K. Skugiegenik	D+ (1,0; 50-54%);	diagrams, tables and drawings corresponding to the topic,	(1 à
S.	Vira S. Mo	D-(1,0; 50-54%)	answered questions uncertainly during the defense, made	1.
0		D-(1,0; 50-54%)	fundamental mistakes.	W.K.
10. I	skug edniky edniky	20. 80. 11 SK	kug's eqn's geqn's skug's eqn's eqn's skug	BOO K
4	a. 201. 12	skugiedniky edniky ek	rugisedniky skugisedniky skugisedniky skugisedniky skugisedniky skugisedniky	tus egnit
CKI	J. 777.	Fills 60 11/4 8	, "4,0 °9, 15, 24, 40, 99, 15 °4,	~9. ×
1	Kur 60 1/4	S. Wo Son Kr	24 40. 3p. 1 34. 30. 4p. 1 3	Fill, Sign
	s, War Egg A	J 84 70. 8911. K	1 8th, 35, 471, 18 Thursday, 25, 277, 18	KINO
K	skug edniky s	gring's skug's gring's grink	II.K. Skugsedniky	SI
10.	1 3K, 30.	M. 1 Aug. 60	11/4 2 140 60 141 32 48. 9p. 1	SK
_		7. XIV (2' -10) (

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Department of "Morphophysiology"	42/11	cx.	2
Department of "Topographic anatomy and histology"	52/11	W	,
Work study program of the discipline "Normal cardiovascular system"	Page.1'	7 of 42	

· 6911. KI	Unsatisfactory
20. 911.	Corresponds to the
11.	assessment
KUL SOC.	FX (0,5; 25-49%); F (0; 0-49%)
S. 100 6	F (0; 0-49%)
St. 20.	egn. KJ ek.

10.ed1

SKI

The student did not prepare a presentation of 3 micropreparations and 3 micrographs on the topic at the appointed time, or prepared it at the appointed time, but not thoroughly, carelessly, with less than 6 meaningful tables, without specifying literary sources, in the absence of a plan, made gross mistakes when answering questions or was unable to answer questions and did not defend the work.

ks equix

Skina.ed

Check-list of midtern control

6	Form	Evaluation	Evaluation criteria
S	of control	The second	The so like so the
1	Ky skug's offi	Great	It is put in the event that the student did not make any
1	KILL SON	Corresponds	mistakes or inaccuracies during the answer. He is guided
1. K	S. Wo eq.	to the points:	by theories, concepts and directions in the studied
90	K 24. 20.	A (4.0; 95-100%)	discipline and gives them a critical assessment. 90-100%
369	J.K. S. Skulo Seg.	A- (3,67; 90-94%)	completion of test tasks.
3.	40. 1 Ku	Well	It is put in the event that the student did not make gross
w	ritten ticket survey	Corresponds	mistakes during the answer, made unprincipled
	clinical tasks) and	to the points:	inaccuracies or fundamental errors corrected by the
5	Vo SO. KI	B+ (3.33; 85-89%)	student himself, managed to systematize the program
è	testing	B (3,0; 80-84%)	material with the help of the teacher. Performs test tasks
1	exil. S. Mir	B- (2,67; 75-79%)	by 70-89%.
	testing dir.	C+ (2,33; 70-74%)	1 1 3 40. 90 1 1 34 10. 90
11/4		Kr 24 0.	90, 1 3x, 0, 90, 1 xx, 36
10.00	III.KY SKUJE	Satisfactory 5	It is put in the event that the student made inaccuracies
3	b. The second	Corresponds	and unprincipled mistakes during the answer, limited
20.	411. 1 EKU.	to points:	himself only to the educational literature indicated by the
	V. 771.4.	C (2.0; 65-69%)	teacher, experienced great difficulties in systematizing
150	o Gor Kr	C- (1,67; 60-64%)	the material. Performs test tasks by 50-69%.
5	o egn's squ's skur	D+ (1,0; 50-54%)	84, 35, 971, 1 "ALL SEC 1717A
	sedu.kl sedu.kl	1 3K, 35, M;	The state of the same of the
1	SK1, 35, 471.	Unsatisfactory Corresponds to FX score	It is put in the event that the student made fundamental
1.	1 Kills ago.	Corresponds	mistakes during the answer, did not work out the main
	Y Skugie gni	to FX score	literature on the topic of the lesson; does not know how
60,2	911-KJ SKUB'S	(0.5; 25-49%)	to use the scientific terminology of the discipline,
	90 KJ 8K	F (0; 0-24 %)	answers with gross stylistic and logical errors. Performs
20.	gniky skusis	.1 (0,0 21 /4)	test tasks by 0-49%.
723, -	07	CA SO ALY	

Multidisciplinary knowledge assessment system

(ividitionscipilital y isito	wieuge assessificht system		
1	Rating according to	The digital equivalent of	Percentage content	Assessment according to the
	the letter system	points	ex, was app.	traditional system
	S A NO CO	64,0	95-100	Great Control
20	K As So.	2 3,67 A	90-94	With a series of
0	$\sqrt{B} + \sqrt{B}$	3,33	85-89	Well Well
Ø.	B K	3,0	80-84	io on the st wo.
	B-	2,67	75-79	40. 9n. 1 34 vs.
15	& C + / S	2,33	70-74	34 35 M. J AU.
9,	Mo Egg KI	3/2 1/3. 3/11 1/2 3/	F. 3. 40.	ext. 3.8 mit 1. K
	Sk Wa. Spr. K	SK 20. 801. 1	exu. See Mix.	1. Alle 60 Hith Si
1	ex, 50, 911.	12 ext. 2.8 Mit	Aug Co	the si Wo Egg H
	it extr. 200 x	The state of the	S. Mo. Egg	Kr 2k 48. 890. Kr
	6. 3 70 0			

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SOUTH KAZAKHSTAN MEDICAL

АО «Южно-Казахстанская медицинская академия»

Department of "Morphophysiology" Department of "Topographic anatomy and histology"

	Work study) program	of the discipli	ne " Normal car	diovascular syste	m" 、
1		10.	0.30	3 100	65 60	Ċ.

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	3. CD. 1	2,0	65-69	Satisfactory
	6- 7/2 V	1,67	60-64	St. 73. 39. 17 34
	D+ 60 //	1,33	55-59	1 3kl 20. 811.
	S, Do	1,00° 80° 1	50-54	1 24/1 60 11/4
	J SFX S	0,5	25-49	Unsatisfactory
>	EK.	7), 1 0 kg	0-24	Soc Kr 24 Wa. Syn

Educational resources 11.

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

- Электронная библиотека ЮКМА https://e-lib.skma.edu.kz/genres
- Республиканская межвузовская электронная библиотека http://rmebrk.kz/
- Цифровая библиотека «Aknurpress» https://www.aknurpress.kz
- Электронная библиотека «Эпиграф» http://www.elib.kz/
- Эпиграф портал мультимедийных учебников https://mbook.kz/ru/index
- 1 36C IPR SMART https://www.iprbookshop.ru/auth
- информационно-правовая система «Зан» https://zan.kz/ru
- Medline Ultimate EBSCO https://research.ebsco.com/
- eBook Medical Collection EBSCO https://research.ebsco.com/
- Scopus https://www.scopus.com/

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Department of "Topographic anatomy and histology"

Work study program of the discipline "Normal cardiovascular system" Page.19_of 42

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Гистология, эмбриология, цитология: окулық / ред. басқ. Ю. И. Афанасьев; Н. А. Юрина; каз. тіліне ауд. Және жауапты ред. Р. Ж. Есимова; К. Т. Нурсейтова. - 6-бас., өнд. жәнетолықт. - М.: ГЭОТАР - Медиа, 2014. - 896 бет. Ил

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Textbook of Human Histology. Inderbir Singh /Sixth Edition/Inderbir Singh 2010.-386 р. Перевод Учебник по гистологии человека

12. Discipline Policy

Requirements for students:

- 1. don't be late for classes;
- 2. do not skip classes without good reason;
- 3. have anatomical gloves, tweezers and a scalpel;
- 4. Be active during practice sessions;
- 5. be able to work in a team;
- 6. timely, on schedule, perform and deliver SIW;
- 7. do not engage in extraneous activities during classes;
- 8. Be tolerant, open and friendly to fellow students and teachers:
- 9. observe ethical standards of behavior when working with anatomical preparations and organs of the human body;
- 10. take care of the property of the department;
- 11. timely work off missed classes for good reasons;
- 12. Observe safety precautions in the classroom.
- 13. During lectures / practical classes/It is forbidden for students to SIWT:
- 14. Use mobile devices/ gadgets;
- 15. leave the study room/classroom (leave the workplace at the clinical/industrial base) without the permission of the teache

Dress code requirements

The student is obliged to:

- 1.have a clean, ironed medical gown, cap/cap;
- 2. have a neat hairstyle, short-cropped nails; (for girls: bright makeup and bright nail polish are unacceptable).

Penalties:

- 1. In case of a single violation of the module policy, the student receives an oral warning from the teacher.
- 2. In case of repeated violations of the module policy, the student provides an explanatory note addressed to the head of the department.
 - •3. In case of systematic violation of the discipline policy, the head of the department submits an appropriate report to the dean's office.
 - A student who did not show up for the boundary control without a valid reason and received an unsatisfactory grade for one of the types of controls (MC1, MC2, TCsr) is not allowed to take the exam in the discipline; A student who did not show up for the MC for a good reason, immediately after he started classes, with the

permission of the dean's office, receives a work sheet.

- For 1 pass of lectures, for a disrespectful reason, the staff score is 1.0 point and is deducted from the estimates of the boundary control.
- •For 1 skip of the SIW, for no good reason, the penalty point is 2.0 points and is subtracted from the SIW estimates
- Incentive points are taken into account according to the department's policy. Reward points are added to the assessment of the boundary control. For active participation in the work of the SNK and seminars in each discipline, the student is awarded an incentive score from 5 to 10. Если обучающиеся не набирают 50% текущего рейтинга (i.e. 30 points), then they are not allowed to take the final control (exam).

Requirements for students, attendance, behavior, grading policy, punitive measures, incentive measures, etc.

The student must:

- Observe medical ethics and deontology
- No smoking at the academy;
- do not spoil furniture in classrooms;
 take care of textbooks
- take care of textbooks,
 observe the appearance of a medical student;

- observe the appearance of a medical student;
 Follow safety regulations;
 Wear masks during the flu epidemic;
 do not skip classes without a good reason;
 to work out classes missed for a good reason in a timely manner, but only if the dean's office has access and at a time determined by the teacher; time determined by the teacher;

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- Don't be late for classes;
- have the necessary documentation in the classroom: syllabus, guidelines for classes, lectures, notebook and
- prepare for classes in good faith;
- Be active during classes:
- do not engage in extraneous activities during class: do not talk, do not smoke, do not chew chewing gum, do not eat, do not use the phone, do not listen to music, do not read newspapers and magazines, do not prepare for classes in another discipline;
- Observe silence and order during breaks;
- to perform and submit SIW in a timely manner according to the schedule (in electronic form); with verification of written works for plagiarism. Штрафные меры при невыполнении разделов работы:
- if you skip lectures for no good reason, the assessment of boundary control decreases 1 point for each missed lecture:
- if you skip the SIW without a valid reason, the score for the SIW decreases − 2 points for each missed lesson; in case of late delivery of the DEADLINE without a valid reason (later than the specified week), the DEADLINE is not accepted;
- in case of a single violation of the discipline policy, a warning is given to the student;
- in case of systematic violation of the discipline policy, information about the student's behavior is transmitted to the dean's office of the faculty;

Criteria for non-admission to the final control

a student who has received an unsatisfactory grade for one of the types of control (boundary control 1, boundary control 2, average grade of the current control) is not allowed to take final control of the discipline.

13.	Academic policy based on the moral and ethical values of the Academy
50	www.ukma.kz Regulations and Rules of YUMA JSC. Academic policy.
Kr	Paragraph 4 of the student's Code of Honor
9, 1	Item 10. Organization of the educational process
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₩. ×	Final control – students who have fully mastered the discipline program and scored an admission rating are
00	allowed to take the exam.

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АО «Южно-Казахстанская медицинская академия»

Department of "Morphophysiology" Department of "Topographic anatomy and histology"

Work study program of the discipline "Normal cardiovascular system"

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The final score is calculated automatically based on the average score of the current control, the average score of the boundary controls and the final control score:

Admission rating (60%) = average score of boundary controls (20%) + average score of the current control

Scores, taking into

Scores, taking into

Lettures = $1.0 \times 2 = 2.0$ points

For skipping 1.SIWT = 2.0 points

MK aver = (80-2)+90 = 84 points

The arithmetic mean of the current control (practice, and the lab. classes) – 80 points

SIW 1 – 75 points

SIW 2 – 85 points

SIWN... – the number of SIW

Average score for SIW = $\frac{75+85+N...}{2+N...} = 80$ points

The average current score, taking into account SRO and penalty points:

CCaver* = CCaver + SIWaver - Kaver = 80 + (80 - 2.0) = 158 = 79 Points

inal control (40%), for example, the studer $0 \times 0.4 = 36$ points inal score (100%) =

RD (60%) + 4%MC:

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...e. and the lab. classes) – 80 points

...or SIW = $\frac{7.5 + 8.5 + N...}{2 + N...}$ = 80 points

1 he average current score, taking into account SRO and penalty points:

CCaver* = CCaver + SIWaver - Kaver = 80 + (80 - 2.0) = 158 = 79.02 2 2

Admission rating (60%)=MCsr x 0.2 + CCsr x 0.4 = $84 \times 0.2 + 79.0$ Final control (40%), for example, the student answered 45
10 x 0.4 = 36 points
inal score (100%) =
1 RD (60%) + AR (40%) = 48.41 MCaver x 0.2 + CCsr x
1 Kaver - average

- 1) RD (60%) + AR (40%) = 48,4 + 36 = 84,4 points
 2) MCaver x 0.2 + CCsr x 0.4 + FC x 0.4=84.0 x 0.2 + 79.0 x 0.4 + 90 x 0,4=16,8+31,6+36=84,4 points
 MK-average assessment of midterm controls
 MK-average assessment of current control
 FR assessment of the final control
 MK 1 midterm control 1
 MK 2 midterm control 2
 AD admission rating
 CCaver* is the average current score, taking into account SIW and starf points
 Klek the coefficient of skipping the 1st lecture
 Caver the pass rate of the 1st SIWT point sking edu. K a.edu.kl skna.edu.kl

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