DESCRIPTION OF THE COURSE OF STUDY

Course code		12.6-3LEK-F-CHN							
Name of the course	Polish	Chirurgia naczyniowa							
in	English	Vascular surgery							

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	medicine
1.2. Mode of study	full-time
1.3. Level of study	uniform Master's study
1.4. Profile of study*	practical
1.5. Specialization*	lack
1.6. Unit running the course of study	Faculty of Medicine and Health Sciences UJK
1.7. Person/s preparing the course description	dr hab. n. med. Maciej Kielar Prof. UJK
1.8. Person responsible for the course of study	dr hab. n. med. Maciej Kielar Prof. UJK
1.9. Contact	Kielar63@interia.pl. Tel 601284203

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	facultative
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	8
2.4. Prerequisites*	Performed outcomes in general surgery

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	8	lectures						
3.2. Place of classes	5	Lecture halls at the Faculty, department of vascular surgery						
3.3. Form of assess	ment	Tests, oral examinations, syllabus						
3.4. Teaching meth	ods	verbal, perceptions, independent experiences, use of didactic resources						
3.5. Bibliography	Required reading							
	Further reading							

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

- 4.1. Course objectives (including form of classes)
- C₁- familiarizing students with symptoms, clinical image, course, prognosis, risk factors and epidemiology of vascular diseases
- C2- presentation of diagnostic techniques in diseases of arteries and veins
- C3 familiarizing students with the methods of conservative treatment, rehabilitation, and surgical treatment of vascular diseases (classic and endovascular)
- C4 acquisition of knowledge of immediate and distant results of surgical treatment, occurrence of early and distant complications (local, infectious, cardiovascular, metabolic (reperfusion syndrome). Assessment of the quality of life during the course of treatment of vascular diseases, post-operative and ambulatory care. Progress in vascular surgery.

4.2. Detailed syllabus (including form of classes)

Education in the field of vascular surgery

Educational content

- 1. Anatomy and physiology of the vascular system.
- 2. Clinical symptoms of diseases of arteries and veins, classification of vascular diseases.
- 3. Diagnostics of vascular diseases: clinical examinations, imaging tests (Doppler USG, angiotomography, angioresonance,

digital angiography, scintigraphy, other diagnostic methods)

- 4. Indications and contraindications for conservative and surgical treatment in diseases of arteries and veins
- 5. Methods of conservative treatment.
- 6. Surgical treatment of diseases of arteries and veins. Classic and endovascular surgery.
- 7. Technical aspects of classic and endovascular surgeries, equipment, instruments, vascular prostheses, stents and stent-

grafts.

- 8. Perioperative care, most frequent complications immediate and distant (local surgical complications, infections, cardiovascular, haematologic).
- 9. Outcomes of surgical and conservative treatment, assessment of the quality of life following bypass surgery.
- 10. Secondary vascular procedures, outcomes, risk, complications.
- 11. Progress in vascular surgery. Contribution of Polish medicine to the development of this domain of surgery. New perspectives: progress in biotechnology, gene therapy, importance of angiogenic cytokines in the treatment of vascular diseases

4.3 Education outcomes in the discipline

Code	A student, who passed the course										Relation to teaching outcomes											
	within the scope of KNOWLEDGE :																					
W01	knows anatomical, histological and embryological terminology in Polish and English;										sh;	A.W1.										
W02		knows human anatomy topographically (upper and lower limb, chest, abdomen, pelvis, A.W2.																				
		ack, neck and head) and functionally (respiratory system, digestive system, urogenital																				
		system, nervous system and sense organs, integumentary system); knows eligibility rules as well as basic and most common complications of surgery and																				
W03	-	•								on c	ompl	icatio	ons o	f sur	gery	and				F.W.	3.	
W04	other invasiv knows perio										~~~	~~~	- no1	nd 1	0.001					F.W4	4	
W 04	esthesia and					epari	ng a	parte		r sur	gery,	gen	erai a	ina i	ocara	411 -				Г. W 4	+.	
W05	knows posto					analg	esic	thera	apy a	s wel	l as 1	oost-	opera	ative	mon	i-				F.W.	5.	
	toring;	1							1,2													
W06	knows the is	ssues c	oncer	ning 1	moder	n ima	iging	test	s, in j	partic	cular	:]	F.W1	0.	
	a) basic radi	-		-																		
	b) instrumer	ntal me	ethods	and i	magir	ng tec	hniq	ues ı	ised t	o pe	rforn	n mee	dical	treat	ment	ts,						
	c) the indica									-		o pai	ticul	ar ty	pes o	f						
	imaging test	s and	contra	indic	ations	the u	se of	fcon	trast	agen	ts;											
						v	vithir	1 the	scop	e of	ABI	LIT	IES:									
U01	conducts a r	eview	of me	dical	histor	y of t	he ad	dult j	patier	nt;									E.U1.			
U02	conducts a r	eview	of me	edical	histor	y of t	he cl	hild a	and it	s fan	nily;									E.U2.		
U03	conducts ful	l and t	targete	ed phy	ysical	exam	inati	on o	f the	adult	t pati	ent;					E.U3.					
U04	performs dif	ferent	ial dia	ignosi	s of th	ne mo	st co	mme	on di	sease	es in a	adult	s and	chil	dren	;	E.U12.					
U05	recognizes s	tates c	of a di	rect th	nreat t	o life	;													E.U1	4.	
U06	plans diagno	plans diagnostic, therapeutic and preventive procedures;										E.U1	6.									
U07	qualifies the	patier	nt for	home	treatn	nent a	and h	iospi	taliza	tion;										E.U2	0.	
U08	assists durin ated area;	g a tyj	pical s	surger	y, pre	pares	the s	surgi	cal si	ite ar	nd lo	cally	anes	theti	zes o	per-				F.U1	l.	
U09	uses basic m	nedical	l tools	;																F.U2	2.	
U10	complies wi	th the	asepti	c and	antise	ptic	rules	;												F.U3	3.	
U11	manages sin	nple w	ounds	and	change	es ste	rile s	urgi	cal di	essii	ıg;									F.U ⁴	ł.	
U12	collects bloc			0				ecure	s the	mate	erial	for h	emog	genet	ic re	-				G.U	7.	
	search in accordance with given principles.																					
4.4. N	4.4. Methods of assessment of the intended teaching outcomes																					
									Μ	letho	od of	asse	ssme	nt (-	⊦/ -)							
Т	eaching Exam Test* Project* Effort Self-study*											Group work* Others*				Others*						
	itcomes Form of Form of Form of Form of Form of											orm			For	n of alagaa						
	(code)		asses		classe	s		classe			classe.			lasse			lasse				n of classes	
	WOI	L	<i>C</i> .	L	, C		L	С		L	С		L	С		L	С		L	С		
	W01																					
	W02				_																	
	W03																					

W04											
W05											
W06											
U01											
U02											
U03											
U04											
U05											
U06											
U07											
U08											
U09											
U10											
U11											
U12											

*delete as appropriate

Form		
of	Grade	Criterion of assessment
•	3	61%-68%
(T)	3,5	69%-76%
lecture	4	77%-84%
ecti	4,5	85%-92%
Ĩ	5	93%-100%
	3	61%-68%
C)*	3,5	69%-76%
es (4	77%-84%
classes (C)*	4,5	85%-92%
c	5	93%-100%

• Thresholds are valid from 2018/ 2019 academic year

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload Full-time studies
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/	15
Participation in lectures*	15
Participation in classes, seminars, laboratories*	10
Preparation in the exam/final test*	
Others*	
INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/	
Preparation for the lecture*	
Preparation for the classes, seminars, laboratories*	
Preparation for the exam/test*	5
Gathering materials for the project/Internet query*	
Preparation of multimedia presentation	
Others*	
TOTAL NUMBER OF HOURS	25
ECTS credits for the course of study	1

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

.....