

SYLLABUS
concerning the cycle of education 2023-2029
(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

Subject / Module	Transplantology
Course code / module *	Tr/F
Faculty of (name of the leading direction)	Medical College of Rzeszów University
Department Name	Medical College of Rzeszów University
Field of study	medical direction
Level of education	uniform master's studies
Profile	practical
Form of study	stationary / extramural
Year and semester	year IV, semester VII
Type of course	Clinical clinical sciences
Coordinator	Dr K Widenka, Prof. P.Kaliciński
First and Last Name of the Teacher	

* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
15	15	-	-	15	-	-	-	2

1.3. The form of class activities

☒classes are in the traditional form

☐classes are implemented using methods and techniques of distance learning

1.4. Examination Forms / module (exam, **credit with grade** or credit without grade)

2. REQUIREMENTS

Knowledge of human physiology, anatomy, cell biology and biochemistry, basic medical ethics

3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

3.1. Objectives of this course/module

C1	Mastering theoretical knowledge in the field of transplantology and the possibility of its application in clinical practice. Presentation of legal, ethical aspects of organ transplantation from living and deceased donors as well as organization of transplants (POLTRANSPLANT). Gaining knowledge about the patient's quality of life after transplantation, using immunosuppressive therapy and the ability to recognize and fight complications after organ transplantation
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3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	He knows the basic issues of surgical transplantology, indications for transplantation of irreversibly damaged organs and tissues and related procedures;	F.W14
EK_02	He knows the principles of suspicion and the recognition of brain death.	F.W15.
EK_03	He knows the legal obligations of the doctor in the field of death;	G.W8
EK_04	He knows the regulations regarding the medical experiment and conducting other medical tests;	G.W9
EK_05	He knows legal regulations regarding transplants, artificial procreation, abortion, aesthetic procedures, palliative treatment, and mental diseases;	G.W10.
EK_06	Evaluates the condition of unconscious patients in accordance with the applicable international point scales;	F.U21.
EK_07	Explains to people using medical services their basic rights and the legal basis for granting these benefits;	G.U3
EK_08	In practice, he applies legal regulations regarding the issue medical certificates for the needs of patients, their families and external institutions;	G.U4.
EK_09	He is guided by the good of the patient, placing them in the first place	K.02.

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

Course contents
History of transplantology

Transplantation status in Poland and in the world, prospects for transplantology development,
The concept and criteria for brain death
Surgical techniques for kidney, liver and heart transplantation
Surgical and internal complications, treatment after transplantation.

B. Exercises

Course contents
Practical elements of kidney transplantation - surgical technique
Practical elements of liver transplantation - surgical technique
Practical elements of heart transplantation - surgical technique
Practical elements of stem cell transplantation
Complications and treatment after transplantation

C. Seminars

Course contents
History of transplant medicine
Legal regulations for transplantology in Poland,
Organizational structure of organ procurement and transplantation. Poltransplant
The concept and criteria for brain death part 1
The concept and criteria for brain death part 2

3.4 TEACHING METHODS

Lecture: multimedia presentation.

Exercises: practical exercises, demonstration, lecture form.

Seminars: multimedia presentation, lecture form.

Student's own work: work with a book

4 METHODS AND EVALUATION CRITERIA

4.1 Methods of verification of learning outcomes

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
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EK_01, EK_02, EK_03, EK_04, EK_05,	Written test	Lecture, Seminars
EK_06, EK_07, EK_08, EK_09	Practical pass	Exercises

4.2 Conditions for completing the course (evaluation criteria)

Lecture (EK_01, EK_02, EK_03, EK_04, EK_05,):

1. test pass and open questions:

A: Questions in the field of messages to remember;

B: Questions in the field of speech to understand;

C: Solving a typical written task;

D: Solving an atypical writing task;

- insufficient solution of tasks only from areas A and B =

rating 2.0

- for solving tasks only from areas A and B the possibility of obtaining

max. rating 3.0

- for the solution of tasks from the A + B + C area, the possibility of obtaining

max. evaluation 4.0

- for solving tasks from the A + B + C + D area

to obtain a rating of 5.0

Written test

5.0 - has knowledge of each of the contents of education at the level of 90% -100%

4.5 - has knowledge of each of the content of education at the level of 84% -89%

4.0 - has knowledge of each of the content of education at the level of 77% -83%

3.5 - has knowledge of each of the content of education at the level of 70% -76%

3.0 - has knowledge of each of the content of education at the level of 60% -69%

2.0 - has knowledge of each of the contents of education below 60%

Exercises and Seminars (EK_06, EK_07, EK_08):

- pass with an assessment including:

- attendance,
- activity on exercises,
- grades from partial tests
5.0 - the student actively participates in the classes, is well prepared, correctly interprets the dependencies and is able to draw the right conclusions, performs simple functional tests assessing the human body without errors
4.5 - the student actively participates in classes, with little help from the teacher, correctly interprets the occurring phenomena, performs simple functional tests assessing the human body with a small teacher's help
4.0 - the student actively participates in classes, with more help from the teacher, is improved, not always able to solve the problem and perform simple functional tests assessing the human body
3.5 - the student participates in classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem, he draws incorrect conclusions without help and incorrectly performs simple functional tests assessing the human body
3.0 - the student participates in classes, formulates conclusions requiring correction from the teacher, but commits minor mistakes, not fully understanding the causal relationships and causality, often incorrectly performs simple functional tests assessing the human body
2.0 - the student passively participates in the classes, the statements are incorrect in substance, do not understand the problems and cannot perform simple functional tests assessing the body

5. Total student workload required to achieve the desired result in hours and ECTS credits

Activity	Hours / student work
Hours of classes according to plan with the teacher	45
Preparation for classes	10
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	5
Participation in colloquia	-
Other (e-learning)	-
SUM OF HOURS	62
TOTAL NUMBER OF ECTS	2

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

6. LITERATURE

READING:

1. Wojciech Rowiński, Janusz Wałaszewski, Leszek Pączek. Transplantologia Kliniczna. Wydawnictwo Lekarskie PZWL, W
2. Gabriel M. Danovitch Podręcznik transplantacji nerek. Pod redakcją Leszka Pączka i Grzegorza Senatorskiego. Wydawnictwo Czelej, Lublin 2007W arszawa 2004
3. Transplantologia praktyczna. Tom 1. Odrzucanie przeszczepu. Red. L. Pączek, K. Mucha, B. Foroniewicz. Wydawnictwo Czelej 2008.
4. Transplantologia praktyczna. Tom 2. Nowotwory po przeszczepieniu narządów. Red. L. Pączek, B. Foroniewicz, K. Mucha. Wydawnictwo Naukowe PWN 2009.

Acceptance Unit Manager or authorized person