

Subject name Transplantology	ECTS Code																
Name of unit teaching the subject THE ZBIGNIEW RELIGA FACULTY OF MEDICAL SCIENCES IN ZABRZE, THE UNIVERSITY OF TECHNOLOGY IN KATOWICE																	
Studies																	
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Surname of instructor (instructors)																	
Type of class, method of implementation and specified number of hours	Amount of ECTS points																
A.Type of class <ul style="list-style-type: none"> • lecture, • exercise classes, • <u>clinical exercise classes</u> • seminars, • design classes • laboratories, • lectureship, • diploma seminar, • professional internship.* <p>* mark where applicable</p>	Description of awarding ECTS points: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Activity</th> <th style="width: 30%;">Student workload</th> </tr> </thead> <tbody> <tr> <td>Participation in lectures</td> <td style="text-align: center;">10 hours</td> </tr> <tr> <td>Participation in practical classes</td> <td style="text-align: center;">30 hours</td> </tr> <tr> <td>Preparation for practical classes and colloquiums</td> <td style="text-align: center;">5 hours</td> </tr> <tr> <td>Examination preparation</td> <td style="text-align: center;">5 hours</td> </tr> <tr> <td>Consultations</td> <td style="text-align: center;">5 hours</td> </tr> <tr> <td>Total number of hours</td> <td style="text-align: center;">55 hours / 30</td> </tr> <tr> <td>Amount of ECTS points per module</td> <td style="text-align: center;">1.5ETCS</td> </tr> </tbody> </table>	Activity	Student workload	Participation in lectures	10 hours	Participation in practical classes	30 hours	Preparation for practical classes and colloquiums	5 hours	Examination preparation	5 hours	Consultations	5 hours	Total number of hours	55 hours / 30	Amount of ECTS points per module	1.5ETCS
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B. .Method of implementation <ul style="list-style-type: none"> • classes in a didactic room 																	
C. Amount of hours in accordance with the approved curriculum <ul style="list-style-type: none"> • 10hof lectures + 30h of clinical exercise classes 																	
Didactic cycle Semester 10																	
Subject status <ul style="list-style-type: none"> • mandatory / facultative 	Language of instruction Polish																
Didactic methods Demonstration of clinical cases Demonstrations with the use of a computer Case analysis Didactic discussion Lectures with slides and presentation of clinical cases Ultrasound imaging Radiography imaging Classes at the patient's bedside Classes in a treatment room Classes in the operating block Classes on urology training simulators	Forms and methods of passing and general grading criteria or examination requirements																
	A. Method of passing <ul style="list-style-type: none"> • examination • passing with a grade* <p>* mark where applicable</p>																
	B. Forms of passing: <ul style="list-style-type: none"> • written examination: test / with open questions (exercises)/longer written statement • oral examination • oral assessment/colloquium • completion of a semester assignment: preparation of a design or presentation/conducting research and presenting its results(written/oral)/completion of a specified practical work • agreeing on a passing grade based on partial grades received during the course of the semester* 																

* mark where applicable

C. Basic grading criteria

Evaluating participation in exercise classes, evaluating preparation for classes, constant observation, partial credit, oral, written, receiving credit for practical classes, oral examination

Definition of preparatory subjects and initial requirements

Implementation of the educational effects as far as knowledge, abilities and social competencies from previous years of studies
Subjects: Anatomy, Physiology, Pathophysiology, Pathomorphology, Internal diseases, Surgery

Subject aim

Basic familiarity with transplantology of organs and hematopoietic cells
Becoming familiar with the diagnostic methods used in qualifying for a transplant
Being able to diagnose brain death
Familiarity with and practical abilities of preparing the recipient for organ transplant, knowledge on the legal regulations regarding transplantology
Familiarity with immunosuppression, care over patients after transplants

Curriculum

Lecture content : introduction to transplantology – basis (W1-W5, U2-3) procurement of organs, principles of storage and preservation of organs (W1-W4), Basis of transplantation immunology, immunosuppressive drugs, rejection (W4, U2)
Transplant within a family and from living donors (W1-W4)

Content of clinical exercise classes – practical classes at the patient's bedside. Classes in the outpatient department. Assisting with procedures at the operating block (W1-W5, U1-U9)

Literature

- The Cell, Tissue, and Organ Recovery, Storage, and Transplantation Act from 1 July 2005 (Journal of Laws 2005 No. 169, item 1411) as amended on 31 August 2009 (Journal of Laws 2009 No. 41, item 1149)
- Transplantologia kliniczna – zasady ogólne, Lech Cierpka, Magdalena Drulik. Termedia, 2015
- Interna Szczeklika – podręcznik chorób wewnętrznych, Medycyna Praktyczna, 2014

Educational effects:

Effect no	Description of an educational effect	Reference to field of study related effects
Knowledge:		
W1	Knows the legal responsibilities of a doctor as far as declaring death	G.W8

W2	Knows the legal regulations regarding transplants	G.W10			
W3	Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment regarding the most common diseases of the central nervous system as far as: a. cerebral edema and its effects, with particular emphasis on medical emergencies, b. other forms of intracranial tightness and their effects, c. craniocerebral traumas	F.W14			
W4	Possesses basic knowledge regarding procedural transplantology, knows the indications for transplants of permanently damaged organs and tissues as well as the procedures connected with it	F.W15			
W5	Knows the principles of suspecting and diagnosing brain death	F.W16			
Abilities:					
U1	Conducts a medical interview with an adult patient	E.U1			
U2	Plans diagnostic, therapeutic and prophylactic treatment	E.U16			
U3	Can plan specialized consultations	E.U32			
U4	Can treat a simple wound, put on and change a sterile surgical bandage	F.U4			
U5	Can monitor the postoperative period based on basic life parameters	F.U12			
Social competencies:					
K1	Can establish and maintain a deep, full of respect contact with the patient				
K2	Put the good of the patient above everything else				
K3	Protects patient confidentiality and patient rights				
K4	Is aware of his own limitation and the need for constant learning				
Methods used in the verification of educational effects					
Educational effect	Type of grade				
	colloquiums	Solving problems during exercise classes	Solving problems in groups	Oral/practical examination	Written examination
W1-W5	X		X	X	
U1		X	X	X	
U2		X	X	X	
U3		X	X	X	
U4		X	X	X	
U5		X	X	X	
K1-K4		X	X	X	

Criteria of evaluating educational effects					
Educational effect	For a grade of 3	For a grade of 3.5	For a grade of 4	For a grade of 4.5	For a grade of 5
W1-W5	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U1	Exhibits	Exhibits	Exhibits	Exhibits	Exhibits knowledge of

	knowledge of the educational content on a level of 60%-69%	knowledge of the educational content on a level of 70%-76%	knowledge of the educational content on a level of 77%-84%	knowledge of the educational content on a level of 85%-92%	the educational content on a level of 93%-100%
U2	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U3	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U4	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U5	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%