



Course syllabus - part A Transplantology

48SJ-TRAN
ECTS: 1.00
CYCLE: 2023Z

SUBJECT MATTER CONTENT

LECTURE

Deceased donors, living donors. Assessment of the organ recipient. Complications following renal transplantation. Contemporary definition and diagnostic criteria of brain death. Assessment of the deceased donor. Heart transplantation: indications, care of the recipient. Surgical aspects of heart transplantation. Post-operative care. Ventricle-assisted devices in pre- and post-transplant period. Bone marrow transplantation (BMT), autologous stem cell transplantation (ASCT). Complications following BMT and ASCT. Graft-versus-host disease.

CLASSES

are of patient with transplanted kidney. Infectious and non-infectious complications following kidney transplantation. Acute rejection. Chronic rejection. Chronic allograft nephropathy. Pre-transplant assessment for ASCT. Pre-transplant assessment for allogenic BMT. Indications for progenitor stem cell transplantation in hematological disorders.

TEACHING OBJECTIVE

Following the course student is able to discuss the main indications for organ transplant (including kidney, heart, liver, pancreas and intestine) and allogenic/autologous stem cell transplantation. Student is able to discuss the assessment of organ donors and recipients, immunosuppression regimens, complications of immunosuppression, infectious and non-infectious complications following organ and bone marrow transplantation, outcome of patients following transplantation

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

M/NM+++

Symbols for outcomes related to the field of study:

E.U17.+ , E.U30.+ , E.U24.+ , M/NM_F.W15.+ , KA7_UW5+ , K.1.+ , KA7_UU1+ , M/NM_F.W14.+ , E.U1.+ , E.U3.+

LEARNING OUTCOMES:

Knowledge:

- W1 - The student knows and understands the principles of suspecting and recognising brain death;
- W2 - The student knows and understands the rudiments of the issues of surgical transplantology, indications for transplantation of irreversibly

Legal acts specifying learning outcomes:
672/2020

Disciplines: medical sciences

Status of the

course:Obligatoryjny

Group of courses:B -

przedmioty kierunkowe

Code: ISCED 0912

Field of study:Medicine

Scope of education:

Profile of education:

General academic

Form of studies: full-time

Level of studies: uniform

master's studies

Year/semester: 5/9

Types of classes: Lecture, Classes

Number of hours in semester:Lecture: 12.00, Classes: 8.00

Language of

instruction:English

Introductory subject:

Internal medicine, pathophysiology, pathomorphology, pharmacology, infectious diseases

Prerequisites: Student has a general knowledge on pathophysiology, diagnosis and treatment of chronic diseases that may lead to the end-stage failure of organs that may be the subjects of transplantation. Student has also the knowledge of hematologic disorders that may be an indication for allogenic and autologous stem cell transplantation.

Name of the organisational unit conducting the

course:Katedra Chorób Wewnętrznych

Person responsible for the realization of the

course:prof. dr hab. n. med. Tomasz Stompór

e-mail:

tomasz.stomp@uwm.edu.pl

Additional remarks:

damaged organs and tissues, and the related procedures;

Skills:

U1 - The student is able to analyse the potential undesirable side effects of individual medicinal substances and interactions between them

U2 - The student is able to take medical interview with an adult patient;

U3 - The student is able to conduct complete and targeted physical examination of an adult patient;

U4 - The student is able to assist in the following medical procedures and operations: 1) transfusing blood and blood product preparations, 2) performing pleural drainage, 3) performing pericardiocentesis, 4) performing paracentesis, 5) performing lumbar puncture, 6) performing thin needle biopsy, 7) performing epicutaneous tests, 8) performing intradermal and scarification tests and interpreting their results;

U5 - The student is able to interpret the results of laboratory tests and identify the causes of deviations from the norm;

U6 - The student is able to assist during an ultrasound examination, visualize selected structures and interpret the obtained images, as well as conclude about the presence of pathological changes

U7 - The student is able to assist in the performance of fine and core needle biopsy;

Social competence:

K1 - The student is ready to establish and maintain a deep and respectful contact with the patient, as well as to show understanding for worldview and cultural differences;

TEACHING FORMS AND METHODS:

Lecture(W1;U1;):Student słucha z zainteresowaniem wykładów i robi notatki

Classes(W1;W2;U1;U2;U3;U4;U5;U6;U7;K1;):The student collects an interview and examines patients who are candidates for transplant and post-transplant. The student analyzes the history of the disease, discusses the results, the results of imaging and biopsy tests, plans the next diagnostic and treatment steps

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Lecture (Evaluation of the work and cooperation in the group) - Presence at lectures and active participation. A set of three questions. -

Classes (Evaluation of the work and cooperation in the group) - -

BASIC LITERATURE:

1. 1. Goldman L, Schafer AI (Ed.), *Goldman's Cecli Medicine*, Tom Edition 26, Wyd. Saunders, R. 2019

SUPPLEMENTARY LITERATURE:

1. Hricik D., *Primer on Transplantation*, Wyd. Willey-Blackwell, R. 2011

Detailed description of ECTS credits awarded - part B

48SJ-TRAN
ECTS: 1.00
CYCLE: 2023Z

Transplantology

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	12.0 h
- participation in: Classes	8.0 h
- consultation	2.0
	Total: 22.0 h.

2. Independent work of a student:

Samodzielna praca studenta	3.00 h
----------------------------	--------

Total: 3.0 h

contact hours + independent work of a student Total: 25.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 25.0 h : 25.0 h/ECTS
= 1.00 ECTS on average: 1.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: