



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

USOS Code: 48SJ-TRAN

ECTS: 1.00

Cycle: 2026Z

Transplantology Transplantology

SUBJECT MATTER CONTENT:

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.

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.

TEACHING OBJECTIVE:

Familiarization with the indications and contraindications for tissue and organ transplantation. Principles of post-transplant patient monitoring. Donor and recipient qualification. Principles of immunosuppression. Complications in recipients of organ, bone marrow, and hematopoietic cell transplants.

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+++++++, M/NMA_P7S_KO+, M/NMA_P7S_KR+, M/NMA_P7S_UW++, M/NMA_P7S_WG++++++

Symbols for outcomes related to the field of study:

K.1.+, E.U3.+, KA7_UU6+, M/NM_FW15.+, M/NM_FW14.++, M/NM_G.W9.+, M/NM_C.W25.+, M/NM_E.W7.+

LEARNING OUTCOMES:

Legal acts specifying learning outcomes:
672/2020;

Discipline: Medical Sciences

Course status: Obligatory

Group of courses: B - major course

ISCED Code: 0912

Field of studies: Medicine

Field: Medicine

Learning profile: -

Form of studies: full-time

Level of studies: uniform master's studies

Year/Semester: 5th year 9th semester, Medicine in English

Classes types: Lecture; Classes;

Classes: Lecture (12h); Classes (8h);

Language: ANG

Introductory subject: internal diseases, pathophysiology, pathomorphology, pharmacology, infectious diseases

Prerequisites: The student understands the pathophysiology, diagnosis, and treatment of chronic diseases leading to end-stage organ damage requiring transplantation. The student understands the pathophysiology, diagnosis, and treatment of hematopoietic system diseases that may be an indication for bone marrow and/or hematopoietic stem cell transplantation.

Organized by the unit:

Coordinators responsible for the course:

Tomasz Stompór, tomasz.stompor@uwm.edu.pl

Knowledge (W1) – The student has a basic understanding of the issues of surgical transplantology, the indications for transplantation of irreversibly damaged organs and tissues, and the procedures associated with it. The student knows and understands the principles of suspecting and diagnosing brain death.

Skills (U1) – The student is able to conduct a medical interview with an adult patient. The student is able to conduct a complete and focused physical examination of an adult patient. The student is able to analyze potential adverse effects of individual medications and their interactions. Assist in the following medical procedures and treatments: 1) transfusion of blood products and blood derivatives, 2) drainage of the pleural cavity, 3) pericardiocentesis, 4) peritoneal puncture, 5) lumbar puncture, 6) fine-needle biopsy, 7) epidermal testing, 8) intradermal and scarification testing, and interpret their results. The student is able to assist in the performance of fine-needle and core needle biopsy.

Social competences (K1) – The student is ready to establish and maintain a deep and respectful contact with the patient, as well as to show understanding for ideological and cultural differences;

Symbols for outcomes related to the field of study:

Classes – ['K1', 'U1', 'W1'] – -

Lecture – ['W1'] – -

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Evaluation of the work and cooperation in the group)
– ['K1', 'U1', 'W1'] – Attendance at lectures and active participation. Set of three questions.

Classes (Colloquium practical) – ['K1', 'U1', 'W1'] – At the patient's bedside

REQUIRED LITERATURE:

1. Goldman's Cecil Medicine

Goldman L, Schafer Al (Ed.); Saunders; -; Pages: -; Tome: -;

2. Primer on Transplantation

Hricik D.; Willey-Blackwell; -; Pages: -; Tome: -;

COMPLIMENTARY LITERATURE:

Additional notes:

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Detailed description of ECTS credits awarded - part B

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Transplantology

Transplantology

1. Contact hours with the academic teacher:

- participation in: Lecture	12 h
- participation in: Classes	8 h
- consultation	2 h
Total:	22 h

Independent work of a student:

- Independent student work with the textbook.	3.00 h
Total:	3.00 h

contact hours + independent work of a student Total: 25.00 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS

ECTS Points = 25.00 h : 25 h/ECTS = 1.00 ECTS

Average: 1.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 0.88 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 0.12 ECTS pts