**description of the course of study**

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| **Course code** | 0912-7LEK-C6.12-T | |
| **Name of the course in** | Polish | Transplantologia |
| English | Transplantology |

1. **LOCATION OF THE course OF STUDY within the system of studies**

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| **1.1. Field of study** | Medicine |
| **1.2. Mode of study** | Full-time |
| **1.3. Level of study** | Uniform Master’s studies |
| **1.4. Profile of study\*** | General academic |
| **1.5. Person preparing the course description** |  |
| **1.6. Contact** |  |

1. **General characteristicS of the course of study**

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | Basic knowledge of general surgery |

1. **DETAILED CHARACTERISTICS OF THE COURSE OF STUDY**

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| * 1. **Form of classes** | | Lectures: 15 |
| * 1. **Place of classes** | | Courses in the teaching rooms of UJK |
| * 1. **Form of assessment** | | Tests |
| * 1. **Teaching methods** | | Verbal, perceptual, self-experience, the use of teaching aids |
| * 1. **Bibliography** | **Required reading** | 1. Kumar & Clark Clinical Medicine, ISBN: 9780702066016;  2. Oxford Handbook of Nephrology and Hypertension, ISBN: 9780199651610;  3. Oxford Handbook of Dialysis, ISBN: 9780199644766;  4. The Only EKG Book You'll Ever Need, ISBN: 9781451193947;  5. Echocardiography Review Guide: Companion to the Textbook of Clinical Echocardiography, ISBN: 9780323227582;  6. Comprehensive Clinical Nephrology, ISBN: 9781455758388. |
| **Further reading** | 1. Echocardiography Review Guide: Companion to the Textbook of Clinical Echocardiography, ISBN: 9780323227582;  2. Comprehensive Clinical Nephrology, ISBN: 9781455758388. |

1. **Objectives, syllabus CONTENT and intended LEARNING outcomes**

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| * 1. **Course objectives *(including form of classes)***   C1-learning the indications and principles of organ transplantation according to current knowledge  C2-presentation of legal, ethical and moral aspects of organ and deceased organ transplantation and transplant organization (POLTRANSPLANT)  C3-information on quality of life, immunosuppressive treatment, occurrence and control of complications after organ transplantation |
| * 1. **Detailed syllabus *(including form of classes)***   Education in the scope of anatomy  Contents::  1. Legal aspects of the rules governing organ transplantation in Poland, central list of recipients,  a national list of refusals.  2. Indications and contraindications for organ transplantation, the criteria for brain death.  3. Living donor and deceased donor. Contacts with the family of the donor. The choice of donor, care giver.  4. Qualification of the recipient, the selection of immune organs, immune typing, tissue (HLA), sacrum trials. The risk of transmission of pathogens during transplantation - immunological safety.  5. Technical aspects of treatments: collection, storage, transplantation of individual organs.  6. Perioperative care, the most common early and late complications ( Local surgical complications, infectious, cardiovascular, hematological, endocrine, oncological).  7. Evaluation of the functioning of the transplanted organ, monitoring and chronic care taker.  8. Immunological aspects of organ transplantation. Rejection reaction, chronic and acute. Selection of immunosuppressive therapy. Control of treatment, adverse effects, evaluation of effectiveness.  9. The results of transplantation, assessment of quality of life after transplantation. Insufficiency of transplanted organ-retransplantation.  10. Progress in transplantation. Polish medicine contribution in the development of this field of surgery. New perspectives. Multi-organ transplants and multi-tissue (limbs, face, head). |

**4.3 Intended learning outcomes**

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| **Code** | **A student, who passed the course** | **Relation to teaching**  **outcomes** |
| within the scope of **knowledge**, the graduate knows and understands: | | |
| W01 | the problem of surgical transplantation, indications for the transplantation of irreducibly damaged organs and tissues, and related procedures; | F.W14. |
| W02 | the rules concerning the diagnosis of brain death; | F.W15. |
| within the scope of **ABILITIES**, the graduate knows how to: | | |
| U01 | recognize states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease; | E.U21. |
| U02 | comply with the aseptic and antiseptic rules; | F.U3. |

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|  | within the scope of **SOCIAL COMPETENCE**, the graduate is able to: |  |
| K01 | establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences; | H.S1 |
| K02 | do what is right for the patient; | H.S2 |
| K03 | respect medical confidentiality and patient’s rights; | H.S3 |
| K04 | take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness; | H.S4 |
| K05 | recognize his/her own limitations and self-evaluate educational deficiencies and needs; | H.S5 |
| K06 | promote healthy lifestyle; | H.S6 |
| K07 | use reliable information sources; | H.S7 |
| K08 | conclude on the basis of own surveys and observations; | H.S8 |
| K09 | introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment; | H.S9 |
| K10 | give opinions concerning various aspects of professional activity; | H.S10 |
| K11 | take responsibility for own decisions made during professional activities including own safety and safety of other people; | H.S11 |

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| * 1. **Methods of assessment of the intended teaching outcomes** | | | | | | | | | | | | | | | | | | | | | |
| **Teaching**  **outcomes**  ***(code)*** | **Method of assessment (+/-)** | | | | | | | | | | | | | | | | | | | | |
| **Exam oral/written\*** | | | **Test\*** | | | **Project\*** | | | **Effort**  **in class\*** | | | **Self-study\*** | | | **Group work\*** | | | **Others\***  **Observation** | | |
| ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | |
| *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* |
| W01 | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W02 | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U01 | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U02 | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K01-K11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |

***\*delete as appropriate***

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| * 1. **Criteria of assessment of the intended learning outcomes** | | |
| **Form of classes** | **Grade** | **Criterion of assessment** |
| **lecture (L)** | **3** | Attendance.  Takes part in the classes.  Prepares presentations in a satisfactory way, provides correct answers to questions. Solves the test at the level of 61-68% |
| **3,5** | Attendance.  Takes part in classes actively.  Prepares presentations in an interesting way, provides correct answers to questions during classes.Solves the test at the level of 69-76% |
| **4** | Attendance.  Takes part in classes actively. Prepares satisfactory presentations, provides correct answers to questions during classes.  Shows interest in the subject. Solves the test at the level of 77-84% |
| **4,5** | Attendance.  Takes part in classes actively. Presents own ideas, takes part in discussions.  Prepares very good presentations, very satisfactory answers to questions during classes. Shows a particular interest in the subject.  Solves the test at the level of 85-92% |
| **5** | Attendance.  Takes part in classes actively. Presents own ideas, participates in discussions, stimulates group to activity during classes. Prepares excellent presentations, provides brilliant answers to questions during classes. Shows a particular interest in the subject. Solves the test at the level of 93-100% |

1. **BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT**

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| **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\** |  |
| *Preparation in the exam/ final test\** |  |
| *Others\** |  |
| *INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/* | ***10*** |
| *Preparation for the lecture\** |  |
| *Preparation for the classes, seminars, laboratories\** |  |
| *Preparation for the exam/test\** | 10 |
| *Gathering materials for the project/Internet query\** |  |
| *Preparation of multimedia presentation* |  |
| *Others (please specify e.g. e-learning)\** |  |
| *TOTAL NUMBER OF HOURS* | ***25*** |
| ECTS credits for the course of study | **1** |

***\*delete as appropriate***

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

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