



Syllabus, academic year 2017/2018

Description of the course

Course Name:	Practical Clinical Teaching – chosen specialty: internal diseases	Group of detailed education results	
		Group code (E or F): E	Group name: Nonsurgical Clinical Subjects
Faculty	Medicine		
Major	Medicine		
Specialties	not applicable		
Level of studies	X Uniform magister studies		
Form of studies	X full-time X part-time		
Year of studies:	VI	Semester:	X summer (april/may)
Type of course	X obligatory		
Course	X major		
Language of instruction	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English <input type="checkbox"/> other		

* mark with an X

Number of hours

Form of education

Unit teaching the course:	Lectures (L)	Seminars (SE)	Auditorium Classes (AC)	Major classes - not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – master studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work) (SS)	E-learning (EL)
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Winter semester:

Not applicable					Not applicable									
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Summer semester:

Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation					180									
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Total per year:

					180									
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Educational objectives: (max. 6 items)

Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation

C1. Presentation of the rules of medical care on hematological patients and subjects undergoing a transplant procedure.

C2. Participation in a medical visit at the hematology and transplantology ward. Participation in an autologous and allogeneic hematopoietic stem cell transplantation.

C3. Participation in the work of the Outpatient Clinic, care of the hematology patient as part of the one-day procedure. Performing marrow biopsy and interpretation of the cytological result.

C4. Acquainting with modern diagnostic techniques in malignant and nonmalignant blood diseases: flow cytometry, molecular and cytogenetic studies - the ability to interpret results.

Education results matrix for course in relation to verification methods of the intended education result and the type of class :

Number of course education result	Number of major education (E or F group)	Student who completes the course knows/ is able to Please enter from 5 to max. 7 education results – examples of verbs defining the education result in the scope of student's knowledge: uses, performs, resolves	Methods of verification of intended education results (forming and summarising)	Form of didactic class ** enter the abbreviation
W 01	E.W.1	know the environmental and epidemiological conditions of the most common diseases.	Oral answer, problem discussion	CC
W 02	E.W.7	know and understand the causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common internal diseases occurring in adults and their complications: hematopoietic system diseases, including bone marrow aplasia, anemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukemias, myeloproliferative and myelodysplastic-myeloproliferative syndromes, myelodysplastic syndromes, lymphomas deriving from mature B and T lymphocytes, bleeding disorders, thrombophilia, imminent life-	Oral answer, problem discussion	CC



		threatening conditions in hematology, blood disorders in diseases of other organs.		
U 01	E.U1	perform a medical interview with an adult patient.	Oral answer, problem discussion	CC
U 02	E.U3	perform a full and targeted physical examination of an adult patient.	Oral answer, problem discussion	CC
U 03	E.U24	interpret laboratory tests and identify the causes of deviations.	Oral answer, problem discussion	CC
U 04	E.U29	perform basic procedures and medical procedures, including: a) body temperature measurement, heart rate measurement, non-invasive blood pressure measurement, b) monitoring of vital signs using a cardiomonitor, pulse oximetry.	Oral answer, problem discussion	CC
U 05	E.U30	assist in carrying out the following medical procedures: a) transfusion of blood preparations and blood-derived concentrates, b) lumbar puncture.	Oral answer, problem discussion	CC

** L - lecture; SE - seminar; AC – audytorium classes; MC – major classes (non-clinical); CC – **clinical classes**; LC – laboratory classes; SCM – specialist classes (master studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP – practical classes with patient; PE – physical education (obligatory); VP- vocational practice; SS – self-study; EL- E-learning.

Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes:

Skills:

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	180
2. Student's own work (self-study):	90
Total student's workload	270
ECTS points for course	13,0
Comments	

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects))

Lectures – not applicable

Seminars – not applicable

Practical classes

Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation

Class 1.

Key elements of physical and subjective examination in hematological and transplant patients. Participation in a medical appointment in a hematology ward, medical orders, and admission of patients in an emergency call. Work in the Outpatient Clinic, specificity of hematology diagnostics and therapy in the conditions of one-day hospitalization. Management of patients requiring rapid hematological assistance.

Class 2.

Modern diagnostic techniques in blood diseases: flow cytometry, molecular and cytogenetic studies. Description of methods, practical testing and presentation of results interpretation.

Class 3.

Participation in a medical visit at a transplant ward, familiarizing with the specificity of medical orders, including transfusions of concentrates of red blood cells and platelets. Rules for dealing with an unrelated donor, specifics of physical examination and laboratory tests in the donor. Interpretation of test results and final qualification for hematopoietic stem cell collection.

Class 4.

Acquainting with the technique of collecting hematopoietic stem cells from donors by means of cell separation and storing them under cryopreservation conditions. Participation in the procedure of collecting full bone marrow from the donor in the operating room conditions.

Class 5.

Participation in the autologous transplantation of hematopoietic stem cells and familiarization with the post-transplant procedure. Participation in allogeneic transplantation of hematopoietic stem cells / marrow and postoperative procedures.

Class 6.



Principles of dealing with patients after transplantation: pathogenesis, symptoms, diagnosis of early and late complications after transplantation of hematopoietic stem cells / bone marrow. Basic knowledge of post-transplant complications. Admitting patients at the Transplant Clinic.

Other - etc....

Basic literature: (list according to importance, no more than 3 items)

Not applicable

Additional literature and other materials: (no more than 3 items)

Not applicable

Didactic resources requirements: (e.g. laboratory, multimedia projektor, other...)

Not applicable

Preliminary conditions: (minimum requirements to be met by the student before starting the course)

Not applicable

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Active participation in classes and test of practical skills

Grade:	Criteria: (only for courses/module ending with an examination)
Very good (5,0)	Not applicable
Above good (4,5)	
Good (4,0)	
Sufficiently good (3,5)	
Sufficient (3,0)	

Name of unit teaching course:	Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation
Address	Wrocław, ul. Wybrzeże L. Pasteura 4,
Phone	717842576
E-mail	e-mail: tomasz.wrobel@umed.wroc.pl

Person responsible for course:	Jakub Dębski
Phone	717842610
E-mail	jakub.debski@umed.wroc.pl

List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
Prof. MD PhD Tomasz Wróbel		Haematology	physician; u.t.	CC
Prof. MD PhD Dariusz Wołowicz		Haematology	physician; u.t.	CC
Prof. MD PhD Lidia Usnarska-Zubkiewicz		Haematology	physician; u.t.	CC
Prof. MD PhD Maria Podolak-Dawidziak		Haematology	physician; u.t.	CC
Assoc. Prof. MD PhD Katarzyna Kapelko-Słowik		Haematology	physician; u.t.	CC
Assoc. Prof. MD PhD Donata Urbaniak-Kujda		Haematology	physician; u.t.	CC
Assoc. Prof. MD PhD Anna Czyż		Haematology	physician; u.t.	CC
MD PhD Stanisław Potoczek		Haematology	physician; u.t.	CC
MD PhD Justyna Rybka		Haematology	physician; u.t.	CC
MD Jakub Dębski		Haematology	physician; u.t.	CC
MD Magdalena Laszkowska-Lewko		Haematology	physician; u.t.	CC




MD Jacek Kwiatkowski		Haematology	physician; u.t.	CC
MD Angela Walasek		Haematology	physician; u.t.	CC
MD Mateusz Sawicki		Haematology	physician; u.t.	CC
MD Aleksandra Bogucka-Fedorczuk		Haematology	physician; u.t.	CC
MD Katarzyna Wicherska-Pawłowska		Haematology	physician; u.t.	CC

Data opracowania sylabusa

09.03.2018 r.

Uniwersytet Medyczny we Wrocławiu KATEDRA I KLINIKA HEMATOLOGII NOWOTWORÓW KRWI I TRANSPLANTACJI SZPIKULKI kierownik	Sylabus opracował(a)  ..
prof. dr hab. Tomasz Wróbel	

Podpis Kierownika jednostki prowadzącej zajęcia

Uniwersytet Medyczny we Wrocławiu
 Podpis Dziekana właściwego wydziału


 prof. dr hab. Andrzej Hendrich