



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

General Information

Code		Title	<i>Nephrology</i>
Module type			<i>Obligatory</i>
Faculty			<i>Faculty of Medicine</i>
Field of study			<i>medicine</i>
Major			<i>Not applicable</i>
Level of study			<i>II level/ long-cycle (S2J)</i>
Mode of study			<i>intramural</i>
Year of study			<i>V</i>
Semester			<i>IX, X</i>
ECTS points			<i>2</i>
Types of training			<i>Seminars – 6 hours, Classes – 22 hours, In total – 32hours</i>
Tutor responsible for the module			<i>Prof. dr hab. n. med. Kazimierz Ciechanowski kazcie@pum.edu.pl</i>
Tutors conducting the subject			<i>Prof. dr hab. med. Kazimierz Ciechanowski Prof. dr hab. n. med. Leszek Domański Prof. dr hab. n. med. Jacek Różański Dr hab. n. med. Grażyna Dutkiewicz Dr hab. n. med. Edyta Gołembiewska Dr hab. n. med. Karolina Kędzierska Dr hab. n. med. Joanna Kabat- Koperska Dr hab. n. med. Ewa Kwiatkowska Dr n. med. Maciej Domański Dr n. med. Krzysztof Pabisiak Dr n. med. Joanna Stępniewska Dr n. med. Magda Wiśniewska Dr n. med. Małgorzata Marchelek-Myśliwiec Lek. Marcin Lisak Lek. Michał Małecki Lek. Jarosław Przybyciński</i>
WWW			<i>www.pum.edu.pl</i>
Language			<i>English</i>

Detailed information

Module objectives		<p>1. Aim of the course is to remind and complete the knowledge of the introduction to clinical nephrology.</p> <p>2. Students are taught basics of nephrology</p> <p>3. Students gain the proper clinical attitude and skills helpful to recognize diseases of the Kidney.</p>
Prerequisite /essential requirements	Knowledge	<i>The knowledge accumulated during the first two years of study at the Faculty of Medicine, in particular anatomy, embryology, histology, biochemistry, physiology, introduction to clinical medicine, pathology and pharmacology.</i>
	Skills	<i>Critical reading of literature, including web resources. Good preparation of library services</i>
	Competences	<i>The habit of self-education, ability to work in team, interpersonal communication skills, the ability of responsible usage of emotional intelligence</i>

Description of the learning outcomes for the subject /module			
Number of learning outcome	Student, who has passed the (subject) Knows /is able to /can:	SYMBOL (referring the standards) EKK	Method of verification of learning outcomes
KL2JPW01	knows environmental and epidemiological conditions of most frequent diseases	K_E.W1	Continuous assessment during seminars and classes;
KL2JPW02	understands importance of health, disease, disability and senility in terms of social attitudes, social consequences of disease and disability and socio-cultural barriers; knows current concept of life quality affected by health state	K_D.W3	Continuous assessment during seminars and classes;
KL2JPW03	knows rules of qualification for performance of and the most frequent complications after basic operative procedures and invasive diagnostic/treatment procedures	K_F.W3	Continuous assessment during seminars and classes
KL2JPW04	lists clinical forms of most frequent diseases of selected organs and systems, metabolic diseases and disturbances of water-electrolyte and acid-base equilibriums	K_C.W33	Continuous assessment during seminars and classes
KL2JPU01	takes history interview of adult patient	K_E.U1	verifying of practical skills
KL2JPU02	plans diagnostics, therapeutic and preventive procedures	K_E.U16	verifying of practical skills
KL2JPU03	defines states in which treatment according to guidelines for a particular disease is limited by patients' life expectancy, functional state or preferences	K_E.U21	verifying of practical skills
KL2JPU04	plans specialist consultations	K_E.U32	verifying of practical skills
KL2JPK01	accepts the need for standards of conduct	K_K01	verifying of practical

			skills
KL2JPK02	Demonstrates the awareness for self-education, understands the need for continuing professional education, can inspire and organize learning processes in others	K_K03	verifying of practical skills
KL2JPK03	co-operates with team members; can co-operate within a group and take different roles	K_K04	verifying of practical skills
KL2JPK04	adheres to proper examiner/examinee relationship while performing functional tests and observations	K_K05	verifying of practical skills
KL2JPK05	is aware of patients' rights	K_K11	verifying of practical skills
KL2JPK06	maintains professional confidentiality	K_K14	

Matrix presenting the learning outcomes of the subject/module in relation to the form of classes

Number of learning outcome	Student, who has passed the (subject) Knows /is able to /can:	Types of training							
		Lecture	Seminar	Laboratory classes	Project work	Clinical classes	Classes	Practical classes	Other
K_E.W1	knows environmental and epidemiological conditions of most frequent diseases	X				X			
K_D.W3	understands importance of health, disease, disability and senility in terms of social attitudes, social consequences of disease and disability and socio-cultural barriers; knows current concept of life quality affected by health state	X				X			
K_F.W3	knows rules of qualification for performance of and the most frequent complications after basic operative procedures and invasive diagnostic/treatment procedures	X				X			
K_C.W33	lists clinical forms of most frequent diseases of selected organs and systems, metabolic diseases and disturbances of water-electrolyte and acid-base equilibriums	X				X			
K_E.U1	takes history interview of adult patient	X				X			
K_E.U16	plans diagnostics, therapeutic and preventive procedures	X				X			
K_E.U21	defines states in which treatment according to guidelines for a particular disease is limited by patients' life expectancy, functional state or preferences	X				X			
K_E.U32	plans specialist consultations	X				X			
K_K01	accepts the need for standards of conduct	X				X			
K_K03	Demonstrates the awareness for self-education, understands the need for continuing professional education, can	X				X			

	inspire and organize learning processes in others							
K_K04	co-operates with team members; can co-operate within a group and take different roles	X				X		
K_K05	adheres to proper examiner/examinee relationship while performing functional tests and observations	X				X		
K_K11	is aware of patients' rights	X				X		
K_K14	maintains professional confidentiality	X				X		

Module (subject) contents

Symbol of teaching programme	Content of teaching programme	References to learning outcomes
TK_01	Chronic kidney disease	K_B.W25, K_C.W26, K_C.W30, K_C.W33, K_C.W36, K_C.W37, K_E.W1, K_E.W3, K_E.W7, K_C.U11, K_E.U21
TK_02	Urinary tract infections	K_B.W25, K_E.W1, K_E.W7, K_C.W12, K_C.W13, K_C.W32, K_C.W37, K_C.U11
TK_03	Kidney stones	K_B.W25, K_E.W1, K_E.W7, K_C.W12, K_C.W13, K_C.W32, K_C.W37, K_C.U11
TK_04	Diagnostic imaging of the urinary tract	K_B.W25, K_E.W1, K_E.W2, K_C.W5, K_C.W30, K_C.W32, K_C.U11
TK_05	Glomerulopathy	E.W1, K_E.W3, K_E.W7, K_C.W25, K_C.W30, K_C.W32, K_C.W37, K_C.U1, K_C.U1, K_C.U11
TK_06	Hemodialysis. Peritoneal dialysis.	K_C.W31, K_C.W32, K_C.W33, K_D.W3, K_E.W3, K_E.W7, K_D.U21

References and educational resources

Davidson's Essential of Medicine

Crash Course Renal and Urinary System Updated Edition

Student's workload (balance sheet of ECTS points)

Form of student's activity (in-class participation; activeness, produce a report, etc.)	Workload [h]		
	Tutor	Student	Average
Activities that require direct participation of tutors	40	40	
Preparation to the classes		15	
Reading of the indicated/specified literature		15	
Report writing/project making			

Time spent to prepare for the exam			
Other			
Student's workload in total	40	80	
ECTS points for the subject	2		
Remarks at the end			

Methods of assessment, for example:

- E – exam- problem resolving
- S – verifying of practical skills
- R – report
- D – discussion
- P – presentation
- Others-