



Univerza v Mariboru



MEDICINSKA FAKULTETA

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	Patologija I (splošna patologija)
Subject Title:	Pathology I (general pathology)

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Splošna medicina General medicine - EMŠP		2	4

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Labor work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30	27		3		30	3

Nosilec predmeta / Lecturer:

Red. prof. dr. Rastko Golouh

Jeziki /

Predavanja / Lecture:

Slovenski/slovene

Languages:

Vaje / Tutorial:

Slovenski/slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisites:

Vsebina:

Uvod v patologijo
Značilnosti, klasifikacije incidenca bolezni
Vzroki bolezni (genetski, okolje)
Diagnostična patologija v klinični praksi
Motnje rasti, diferenciacije in morfogeneze
Reakcije na celično okvaro
Motnje metabolizma in homeostaze
Ishemija, infarkt, šok
Imunologija in imunopatologija
Vnetje
Karcinogeneza in neoplazija
Staranje in smrt

Content (Syllabus outline):

Introduction to pathology
Characteristics, classification and incidence of disease
Genetic and environmental causes of disease
Diagnostic pathology in clinical practice
Disorders of growth, differentiation and morphogenesis
Response to cellular injury
Disorders of metabolism and homeostasis
Ischaemia, infarction and shock
Immunology and immunopathology
Inflammation
Carcinogenesis and neoplasia
Ageing and death

Temeljni literatura in viri / Textbooks:

- JCW Underwood. General and systematic pathology. Fourth ed. Churchill Livingstone 2004
- Robbins and Cotran. Pathologic basis of disease. Seventh ed. Elsevier Saunders 2005
- Ivan Damjanov. Pathology secrets. Second ed. Elsevier Mosby 2005
- Patologija. Izbrana poglavja iz patologije z navodili za vaje. (A Cerar, B Luzar, T Rott, N Zidar) 3. izdaja, 2006
- The New England Journal of Medicine (www.nejm.org)

Cilji:

Študent spozna klasifikacije bolezni in se seznani z njihovimi vzroki in s pomenom diagnostične patologije v klinični praksi. Predmet temelji na klasični patologiji in na napredku celične in molekularne biologije. Študent spozna ob študiju mehanizmov bolezni procese pomembnih bolezenskih kategorij

Objectives:

The student is introduced to the classification of diseases, their causes and the importance of diagnostic pathology in clinical practice. The course is based on classical pathology as well as on the current knowledge of cellular and molecular biology. The student learns basic disease mechanisms which are fundamental to understand specific diseases.

Predvideni študijski rezultati:

Študent bo spoznal osnovne morfološke in funkcijske značilnosti bolezni.

Intended learning outcomes:

Basic understanding of morphological and functional characteristics of diseases.

Znanje in razumevanje:

Pripravljen bo na študij specifičnih patoloških procesov v različnih organih in organskih sistemih.

Prenesljive/ključne spretnosti in drugi atributi:

Rezultati študija so pomembni predvsem za varno in uspešno izvajanje zdravljenja.

Knowledge and Understanding:

The student is prepared for study of specific pathological processes in different organs and systems.

Transferable/Key Skills and other attributes:

Results of the study are oriented primarily towards the practising medicine safely and effectively.

Metode poučevanja in učenja:

Predavanja
Seminarji
Obukcijske vaje

Learning and teaching methods:

Lectures
Seminars
Autopsy course

Načini ocenjevanja:		Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)			Type (examination, oral, coursework, project)
Opravljeni kolokviji iz seminarjev		10 %	Partial exam after seminars and
končni izpit		90 %	Final examination
Reference nosilca / Lecturer's references:			
VIALE, Giuseppe, GOLOUH, Rastko, LINDTNER, Jurij, ERŽEN, Darja, MAJDIČ, Elga, ŠTABUC, Borut, PLESNIČAR, Andrej, LAMOVEC, Janez, JANČAR, Janez, VRHOVEC, Ivan, KRAMBERGER, Marta, et al. Adverse prognostic value of peritumoral vascular invasion : is it abrogated by adequate endocrine adjuvant therapy? Results from two International Breast Cancer Study Group randomized trials of chemoendocrine adjuvant therapy for early breast cancer. Annals of oncology, ISSN 0923-7534, Feb. 2010, vol. 21, issue 2, str. 245-254, doi: 10.1093/annonc/mdp317. [COBISS.SI-ID 516211737], [JCR, SNIP, WoS do 31. 12. 2013: št. citatov (TC): 7, čistih citatov (CI): 7, normirano št. čistih citatov (NC): 2, Scopus do 19. 12. 2013: št. citatov (TC): 8, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 2]			
THÜRLIMANN, Beat, PRICE, Karen, GELBER, Richard D., LINDTNER, Jurij, ERŽEN, Darja, ČUFER, Tanja, ČERVEK, Jožica, CERAR, Olga, ZAKOTNIK, Branko, MAJDIČ, Elga, GOLOUH, Rastko, LAMOVEC, Janez, JANČAR, Janez, VRHOVEC, Ivan, KRAMBERGER, Marta, et al. Is chemotherapy necessary for premenopausal women with lower-risk node-positive, endocrine responsive breast cancer? 10-year update of International Breast Cancer Study Group Trial 11-93. Breast cancer research and treatment, ISSN 1573-7217, 2009, letn. 113, št. 1, str. 137-144, doi: 10.1007/s10549-008-9912-9. [COBISS.SI-ID 25795801], [SNIP, WoS do 18. 11. 2013: št. citatov (TC): 24, čistih citatov (CI): 24, normirano št. čistih citatov (NC): 24, Scopus do 24. 9. 2013: št. citatov (TC): 28, čistih citatov (CI): 28, normirano št. čistih citatov (NC): 28]			
ZHANG, Yi, ČUFER, Tanja, GOLOUH, Rastko, et al. The 76-gene signature defines high-risk patients that benefit from adjuvant tamoxifen therapy. Breast cancer research and treatment, ISSN 1573-7217, 2009, vol. 116, no. 2, str. 303-309, doi: 10.1007/s10549-008-0183-2. [COBISS.SI-ID 25816537], [SNIP, WoS do 2. 12. 2013: št. citatov (TC): 33, čistih citatov (CI): 33, normirano št. čistih citatov (NC): 33, Scopus do 3. 12. 2013: št. citatov (TC): 46, čistih citatov (CI): 46, normirano št. čistih citatov (NC): 46]			
KAVALAR, Rajko, POHAR-MARINŠEK, Živa, JEREB, Berta, ČAGRAN, Branka, GOLOUH, Rastko. Prognostic value of immunohistochemistry in the Ewing's sarcoma family of tumors. Medical Science Monitor, ISSN 1234-1010, 2009, vol. 15, no. 8, str. CR442-CR452. [COBISS.SI-ID 3370303], [JCR, SNIP, WoS do 25. 6. 2013: št. citatov (TC): 3, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 1, Scopus do 29. 5. 2013: št. citatov (TC): 6, čistih citatov (CI): 6, normirano št. čistih citatov (NC): 2]			
PLANINC, Ana, REPŠE-FOKTER, Alenka, GOLOUH, Rastko. Sledenje žensk z atipičnimi žleznimi celicami v brisih materničnega vratu = Follow-up of females with atypical glandular cells on Pap smears. Acta medico-biotechnica, ISSN 1855-5640, 2012, vol. 5, [no.] 2, str. 33-39, ilustr. [COBISS.SI-ID 512239416]			