

Pathomorphology 2024/2025

Welcome to the Pathology Department ! We are student-friendly :)

Department of Pathomorphology
Pawińskiego 7, Warsaw;
e-mail: patomofologia@wum.edu.pl
Website: www.patomorfolgia.wum.edu.pl

Your teachers:

Curricular affairs: Magdalena Bogdańska MD, PhD,
Consultant in Pathology; mbogdanska@wum.edu.pl

Paweł Pihowicz MD
Consultant in Pathology; ppihowicz@gmail.com

Karol Kulbaka, MD; kkulbaka@wum.edu.pl

Łukasz Koperski MD, PhD
Consultant in Pathology; lkoperski@wum.edu.pl

RECOMMENDED BOOK:

- **Robbins – Basic Pathology, 10th or 9th edition**

LECTURES : on Fridays, 2.15 p.m., online

First lecture : 18.10.2024

Plan of the lectures: in the Department

**2nd semester – “MORNING “ SEMINARS and CLASSES (two weeks for each group)
The end of March, April and/or May 2024, in the Department**

...?... of June or July 2024 FINAL EXAM (MCQ)

**ATTENDANCE IN ALL CLASSES IS OBLIGATORY!
(POSSIBLE 3 JUSTIFIED ABSENCES within both semesters)**

**CLASSES: Department of Pathology, Pawińskiego 3B
Room 2.01 (the highest floor)**

1. Hemodynamic disorders. 1.10 – 4.10.2024 (Monday classes will take place on Friday 4th of Oct, in lecture hours (2.15 – 4.00pm), most probably online, on the Teams platform)

- 1 Recent brain haemorrhage
- 2 Inveterated (old) brain haemorrhage
- 3 Chronic passive liver congestion (“nutmeg liver”)
- 4 Pulmonary brown induration
- 5 Pulmonary oedema

2. Hemodynamic disorders, thrombosis, atherosclerosis. 7.10 – 10.10.2024 11.10.24 no lecture

- 1 Organized thrombus
- 2 Pulmonary bone marrow embolism
- 3 Pulmonary haemorrhagic infarct
- 4 Fresh ischaemic infarct (heart)
- 5 Coronary atherosclerosis

3. Regressive lesions: Cell injury (atrophy) and adaptation. Amyloidosis. 14.10 - 17.10.2024; 18.10. Lecture

- 1 Pulmonary emphysema
- 2 Osteoporosis
- 3 Lipomatous atrophy of pancreas
- 4 Renal amyloidosis
- 5 Hepatic amyloidosis

4. Regressive lesions: cell death, intracellular accumulations. 21.10 – 24.10.24

- 1 Fatty liver
- 2 Haemochromatosis (liver)
- 3 Caseous necrosis (tbc)
- 4 Enzymatic necrosis of pancreatic fat tissue (Balsler type)
- 5 Apoptosis (viral hepatitis)

18.10.2024; 2.15 pm - first lecture online

5. Test 1 (MCQ), 24 questions: Hemodynamic disorders and regressive lesions 25.10.2024, 2.15 pm

What You should read : Robbins Basic Pathology 9th edition

Chapter 1 Cell injury...

Chapter 3 Hemodynamic disorders

In chapter 4: amyloidosis pages 153-158

In chapter 6: Diseases caused by single gene defect, pages 218-234; cystic fibrosis, pages 223-227

In chapter 9: Blood vessels, atherosclerosis, hypertensive vascular disease, aneurysms, vasculitis, pages 327-356

In chapter 12: emphysema, pages 463-468

In chapter 15: metabolic and inherited liver diseases (fatty liver, Wilson disease, circulatory disorders) pages 621-634

In chapter 20: osteoporosis pages 768 - 772; gout pages 786-789

or

Robbins Basic Pathology 10th edition

Chapter 1 The cell....

Chapter 2 Cell Injury....

Chapter 4 Hemodynamic disorders

In chapter 10: pages 361 -391

In chapter 13: pages 495 -501 (emphysema)

In chapter 16: pages 637 -642 and pages 652 – 659 and 666-668

In chapter 21 : pages 797 – 803 (bone structure, function, congenital and metabolic disorders), and pages 823 – 826 (gout)

Lectures and all slides presented during classes

6. Tissue repair 28.10 - 31.10.2024

- 1 Myocardial hypertrophy
- 2 Granulation
- 3 Intestinal metaplasia of gastric mucosa
- 4 Dysplasia of squamous epithelium
- 5 Praelnvasive carcinoma
- 6 Squamous cell carcinoma

7. Neoplasms 4.11 – 7.11.2024

8.11.2024 - lecture (Npl – introduction)

- 1 Papilloma
- 2 Adenoma
- 3 Basal cell carcinoma
- 4 Adenocarcinoma
- 5 Gelatinous adenocarcinoma
- 6 Scirrhou (desmoplastie) carcinoma

11.11 – 14.11.2024 no classes ! 15.11.24 – test 1 retake NO LECTURE

8. Neoplasms 18.11 - 21.11.2024

22.11.24 - lecture (STT)

- 1 Leiomyoma
- 2 Lipoma
- 3 Liposarcoma
- 4 Chondrosarcoma
- 5 Meningioma
- 6 Multiforme glioblastoma

9. Neoplasms 25.11 - 28.11.2024

29.11.24 - lecture (Melanoma)

- 1 Osteosarcoma
- 2 Giant cell tumor of the bone
- 3 Ewing's tumour
- 4 Multiple myeloma
- 5 Pigmented naevus
- 6 Skin melanoma

10. Neoplasms 2.12 - 5.12.2024

6.12.24 - lecture (Lymphomas)

- 1 Lymphocytic lymphoma
- 2 Myelocytic leukemia (in the liver)
- 3 Hodgkin's disease
- 4 Metastasis of carcinoma in a lymph node
- 5 Neoplastic cells in pleural effusion

9.12 – 12.12.2024 NO CLASSES ;

11. Test 2 (MCQ) 13.12.24 Tissue repair (regeneration, healing and fibrosis), neoplasia

Robbins Basic Pathology 9th edition

Chapter 2: Tissue repair: pages 58 - 72

Chapter 5: Neoplasia

Chapter 6: Genetic diseases: pages 215 - 244

Chapter 11: Hematopoietic and lymphoid system

In chapters 20, 21, 22, 23: brain, bone, soft tissue and skin **tumors**

Robbins Basic Pathology 10th edition

In chapter 3: Tissue repair: regeneration, healing and fibrosis – pages 87 - 95

Chapter 6: Neoplasia

In chapter 7: Genetic diseases

Chapter 12: The hematopoietic and lymphoid system

In chapters 21, 22, 23: brain, bone, soft tissue and skin : **tumors only**
and **lectures and all slides presented during classes**

16.12.24 – 20.12.24 No classes

7.01 – 9.01.25 NO CLASSES 10.01.25 – Test 2 retake (NPL)

12. Inflammation 13.01.2025 - 16.01.2025 17. 01.25 lecture (TB)
1 Fibrinous pericarditis
2 Purulent hepatitis (abscess)
3 Purulent appendicitis (phlegmon)
4 Chronic cholecystitis
5 Pulmonary miliary tuberculosis

13. Inflammation 20.01 - 23.01.2025
1 Rheumatic endocarditis
2 Pneumocystis carinii pneumonia
3 Cytomegalic pneumonia
4 Aspergillosis
5 Actinomycosis

14. 24.01.2025 Test 3 (MCQ) Inflammation

Robbins Basic Pathology 9th edition

Chapter 2 Acute and chronic inflammation, pages 29 - 57

Chapter 4 Diseases of the immune system

Chapter 8 General pathology of infectious diseases

In chapter 10: Heart - valvular heart disease

In chapter 12: Lung - tuberculosis and opportunistic diseases

or

Robbins Basic Pathology 10th edition

In chapter 3: Acute and chronic inflammation

Chapter 5 Diseases of the immune system

Chapter 9 General pathology of infectious diseases

In chapter 11: The heart: rheumatic valvular disease pages 422-429

In chapter 13: (lung) : chronic pneumonia (tbc and opportunistic diseases) pages 526-537

Test 3 retake: 21.02.2025

15. The endocrine system 17.02 – 20.02.2025 21.02.2025 – test 3 retake

- 1 Pheochromocytoma
- 2 Colloid goiter
- 3 Parenchymal (hyperplastic) goiter
- 4 Thyroid gland adenoma
- 5 Thyroid gland carcinoma (hist. and cytol. smear)
- 6 Hashimoto thyroiditis (hist and cytol. smear)

16. The heart and respiratory system 24.02 – 27.02.25 28.02.25 lecture (Lung cancer)

- 1 Fresh myocardial infarct
- 2 Healed myocardial infarct
- 3 Lobar pneumonia
- 4 Non small cell lung cancer
- 5 Small cell lung cancer

3 – 6.03.25 no classes

17. 7.03.2025 Test 4 (MCQ) The heart, lung and upper respiratory tract; endocrine system

Robbins 9th edition

- Chapter 10 Heart
- Chapter 12 Lung
- Chapter 19 Endocrine system (except diabetes)

Robbins 10th edition

- Chapter 11 Heart
- Chapter 13 Lung
- Chapter 20 Endocrine system (except diabetes)

18. Oral cavity and gastrointestinal tract 10.03 – 13.03.2025 14.03.25 test 4 retake, no lecture

- 1 Pleomorphic adenoma of salivary gland
- 2 Chronic gastric ulcer
- 3 Gastric cancer
- 4 Ileitis terminalis Crohn
- 5 Colonic adenocarcinoma

19. The liver 17.03 – 20.03.2025 21.03.25 - lecture

- 1 Acute viral hepatitis
- 2 Hepatic cirrhosis
- 3 Hepatocellular carcinoma
- 4 Chronic pancreatitis
- 5 Gallbladder carcinoma

24 - 27.03.25 no classes

20. Test 5 (MCQ) 28.03.25 - GI tract, liver and biliary tract, pancreas

Robbins 9th edition

- Chapter 14 Oral cavity and gastrointestinal tract
- Chapter 15 Liver, gallbladder and biliary tract
- Chapter 16 Pancreas

Robbins 10th edition

- Chapter 15 Oral cavity and gastrointestinal tract
- Chapter 16 Liver, gallbladder and biliary tract
- Chapter 17 Pancreas

21. Genital system **31.03 - 3.04.25** **4.04.2025 test 5 retake**
1 Benign prostatic hyperplasia
2 Prostatic adenocarcinoma
3 Koilocytosis
4 Prae-invasive carcinoma of uterine cervix
5 Invasive squamous cell carcinoma

22. Genital system **7.04 – 10.04.25** **11.04.25 lecture**
1 Adenomyosis
2 Endometrial glandular hyperplasia
3 Endometrial adenocarcinoma
4 Hydatidiform mole
5 Chorionepithelioma

23. Genital system **14.04.25 - 17.04.25** **18.04.25 - no lecture**
1 Mammary benign fibrocystic change
2 Mammary fibroadenoma
3 Mammary carcinoma NOS
4 Ovarian dermoid cyst
5 Granulosa cell tumor
6 Testicular seminoma

Easter Holidays

24. The kidney **5.05.25 – 8.05.25** **9.05 .25 - lecture**
1 Acute glomerulonephritis
2 Chronic glomerulonephritis
3 Chronic pyelonephritis
4 Diabetic glomerulopathy
5 Urothelial cell carcinoma
6 Clear cell renal carcinoma

12-15.05.25 no classes

25. Test 6 MCQ **16.05.25 Male and female genital system, kidney and its collecting system**

26. 23.05.25 Test 6 retake , **26.05 – 6.06.2025 commissions**

FINAL EXAM - June or July 2025