

Pathomorphology 2023/2024

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

Department of Pathomorphology
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Your teachers:

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RECOMMENDED BOOK:

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

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

First lecture : 13.10.2023

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 7
Room 2.11 (the highest floor)**

1. Hemodynamic disorders. 2.10 – 5.10.2023

- 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. 9.10 – 12.10.2023 13.10.23 Lecture (Introduction)

- 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. 16.10 - 19.10.2023; 20.11.Lecture

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

4. Regressive lesions: cell death, intracellular accumulations. 23.10 – 26.10.2023;

27.11. 23 Lecture (Amyloidosis)

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

13.10.2023; 2.15 pm - first lecture online

30.10 – 2.11.2023 – no classes

5. Test 1 (MCQ), 24 questions: Hemodynamic disorders and regressive lesions 3.11.2023, 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 6.11 - 9.11.2023

10.11 test 1 retake, no lecture

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

7. Neoplasms 13.11 – 16.11.2023

17.11.2023 - lecture (Npl – introduction)

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

8. Neoplasms 20.11 - 23.11.2023

24.11.23 - lecture (STT)

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

9. Neoplasms 27.11 - 30.11.2023

1.12.23 - 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 4.12 - 7.12.2023

8.12.23 - 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

11.12 – 14.12.2023 NO CLASSES ;

11. Test 2 (MCQ) 15.12.23 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

2.01.24 – 5.01.24 No classes

12. Inflammation

8.01.2024 - 11.01.2024

12. 01.24 Test 2 retake

- 1 Fibrinous pericarditis
- 2 Purulent hepatitis (abscess)
- 3 Purulent appendicitis (phlegmon)
- 4 Chronic cholecystitis
- 5 Pulmonary miliary tuberculosis

13. Inflammation

15.01 - 18.01.2024

19.01.2024 lecture (TB)

- 1 Rheumatic endocarditis
- 2 Pneumocystis carinii pneumonia
- 3 Cytomegalic pneumonia
- 4 Aspergillosis
- 5 Actinomycosis

22.01 - 25.01.2024 no classes

14 . 26.01.2024 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

15. The endocrine system 19.02 – 22.02.2024 23.02.2024 – 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 26.02 – 29.02.24 1.03.23 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

4 – 7.03.24 no classes

17. 8.03.2024 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 11.03 – 14.03.2024

15.03.23 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

18.03 – 21.03.2024

22.03.24 - lecture

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

25 - 28.03.24 no classes

20. Test 5 (MCQ) 29.04.24 - 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

Easter Holidays

2.04. – 4.04.24 no classes

21. Genital system 8.04 - 6.04.24 12.04.2024 lecture

- 1 Benign prostatic hyperplasia
- 2 Prostatic adenocarcinoma
- 3 Koilocytosis
- 4 Praeinvasive carcinoma of uterine cervix
- 5 Invasive squamous cell carcinoma

11 – 14 04.23 no classes

22. Genital system 15.04 – 18.04.24 19.04.24 lecture

- 1 Adenomyosis
- 2 Endometrial glandular hyperplasia
- 3 Endometrial adenocarcinoma
- 4 Hydatidiform mole
- 5 Chorionepithelioma

23. Genital system 22.04.24 - 25.04.24 26.04.24 - lecture

- 1 Mammary benign fibrocystic change
- 2 Mammary fibroadenoma
- 3 Mammary carcinoma NOS
- 4 Ovarian dermoid cyst
- 5 Granulosa cell tumor
- 6 Testicular seminoma

24. The kidney 6.05.24 – 9.05.24 10.05 - lecture

- 1 Acute glomerulonephritis
- 2 Chronic glomerulonephritis
- 3 Chronic pyelonephritis
- 4 Diabetic glomerulopathy
- 5 Urothelial cell carcinoma
- 6 Clear cell renal carcinoma

13 -16.05.24 no classes

25. Test 6 MCQ 17.05.24 Male and female genital system, kidney and its collecting system

26. 24.05.24 Test 6 retake , 27.05 – 6.06.2024 commissions

FINAL EXAM - June or July 2024