**SCHEDULE AND DESCRIPTION OF CLASSES FOR THE 3rd YEAR Faculty of Medicine ENGLISH DIVISION 2024/2025**

The course "Pathomorphology" is taught in the block system in the academic year 2024/2025 consists of:

- 25 hours of lectures

- 30 hours of seminars

- 30 hours of tutorials (performed in groups of 12 people)

**Lecture dates:**

**ANG (DS3/Powst. Wlkp):**

1. 24.02 – 15:30 – 18:30 – 4h
2. 3.03 - 15:30 – 18:30 – 4h
3. 10.03 – 15:30 – 18:30 – 4h
4. 17.03. – 15:30 – 18:30 – 4h
5. 24.03 15:30 – 18:30 – 4 h
6. 7.04 – 16:45 – 19:00 – 3h
7. 10.06 - 16:50 – 18:20 – 2 h

**Topics and teachers:**

1. Molecular techniques in pathomorphology – Anna Klimaszewska – Wiśniewska, PhD
2. Pathology of the Urinary tract – Jakub Jóźwicki, MD, PhD
3. Pathology of the gastrointestinal tract – Prof. Dariusz Grzanka
4. Head and neck pathology – Natalia Skoczylas- Makowska, MD, PhD
5. Pathology of the female genital system, part 1 – prof. Dariusz Grzanka
6. Pathology of the female genital system, part 2, pregnancy pathology – prof. Dariusz Grzanka
7. Pathomorphology-why is so important for Oncologists and their patients – Ewa Chmielowska, MD, PhD
8. Dermatopathology – prof. Dariusz Grzanka
9. Lymphomas – prof. Dariusz Grzanka
10. Infectious diseases – Jakub Jóźwicki, MD, PhD
11. Lecture test
12. Colloquium nr 2

**SEMINARS AND TUTORIALS:**

Pathomorphology classes consist of a 3-hour seminar and 3-hour tutorials.

The seminar takes place in the dean's group in Room 233.

For tutorials, you are divided into 2 groups of 12 people. They take place in various places in the Department. Most often, you wait for a teacher next to the Department's Secretariat, who will take you to the right places.

Below are the topics of the seminars with the teacher and a description of the tutorial with the rooms.

**ATTENTION!! THE ORDER OF SEMINARS AND TUTORIALS MAY BE CHANGED. You will be informed in advance.**

 **Seminar topics:**

1. **Pathology of the liver and pancreas – Natalia Skoczylas – Makowska, MD, PhD**
2. **Pathology of the gastrointestinal tract – Kacper Naglik, MD/ Natalia Skoczylas – Makowska, MD, PhD**
3. **Hematopathology. – Natalia Skoczylas – Makowska, MD. PhD**
4. **Pathology of the endocrine system – Radosław Wujec, MD**
5. **Pathology of the male genital system – Magda Zwolińska, MD**
6. **Urinary tract – Natalia Skoczylas-Makowska, MD**
7. **Central nervous system - Natalia Skoczylas-Makowska, MD, PhD**
8. **Pathology of the female genital system part 1 – Jakub Jóźwicki , MD, Phd**
9. **Pathology of the female genital system part 2 – Jakub Jóźwicki , MD, Phd**
10. **Pathology of the breast and skin- Izabela Neska – Długosz, MD. PhD**

**Tutorials topics:**

**1. Gynecological cytology –** **neoplastic lesions**– Martyna Parol– Kulczyk, MD, PhD

**2. Advanced special techniques in pathological diagnostics** - Anna Klimaszewska - Wiśniewska, MD, PhD

**3. Autopsy classes**

**4. Laboratory classes - Preliminary Macroscopic Examination (PME)**

**5. Laboratory classes -  Grossing**

**6. Microscopic classes - pathology of the liver and pancreas**

**7. Microscopic classes - pathology of the gastroinestinal tract**

**8. Microscopic classes - pathology of the male genital system**

**9. Microscopic classes - Pathology of the female genital system and pathology of the urinary system**

**10. Microscopy classes - Breast and skin pathology**

**11. Microscopy classes - Summary of microscopy classes**

**12. Immunohistochemical techniques and the use of AI in pathological diagnostics -** Paulina Antosik, MD, PhD

**13. Clinical use of pathological results on the example of: cutaneous lymphoma, breast cancer, gastrointestinal cancers, melanoma -** Ewa Chmielowska, MD

**Topics for the seminar:**

1. **Pathology of the liver and pancreas – Natalia Skoczylas – Makowska, MD, PhD**
* Pancreatitis
* Neoplasms of exocrine pancreas
* Patterns of hepatic injury
* Acute and chronic viral hepatitis
* Drug and toxin-induced liver disease
* Portal hypertension and cirrhosis
* Hemochromatosis
* Primary sclerosing cholangitis
* Hepatic circulatory disorders
* Cholelithiasis
* Autoimmune hepatitis
* Alcoholic liver disease
* Non-Alcoholic Liver Steato-Hepatitis (NASH)
* Liver failure
* Metabolic liver diseases
* Cholestatic syndromes and intrahepatic bile ducts’ disorders
* Benign and malignant tumors of liver
* Cholecystitis
* Tumors of the gallbladder
1. **Pathology of the gastrointestinal tract – Kacper Naglik, MD/ Natalia Skoczylas – Makowska, MD, PhD**
* Congenital anomalies of gastrointestinal tract; Meckel’s diverticulum
* Oral cavity diseases
* Esophagitis
* Esophageal tumors
* Gastropathy, acute and chronic gastritis
* Gastric polyps and tumors
* Intestinal obstruction
* Crohn disease
* Ulcerative colitis
* Vascular disorders of bowel
* Colonic polyps and tumors
* Diseases of the appendix
* Diverticular disease
1. **Hematopathology. – Natalia Skoczylas – Makowska, MD. PhD**
* Reactive lymphadenitis, reactive leukocytosis
* Definition of lymphoma and leukemia
* Clinical manifestations of proliferative diseases of the lymphatic system
* Non-neoplastic diseases of lymphatic system
* Hematological malignancies – general features, classification
* Acute myeloblastic leukemia, chronic myelogenous leukemia
* Hodgkin lymphoma
* Acute lymphoblastic leukemia
* Small cell B – cell lymphoma
* Follicular lymphoma
* Burkitt lymphoma
* Diffuse Large B-cell lymphoma
* Plasmacytic lymphoma – Myeloma and dyscrasias
* Mycosis fungoides and Sezary syndrome
1. **Pathology of the endocrine system – Radosław Wujec, MD**
* Pituitary (tumors, hypopituitarism)
* Thyroid (hyperthyroidism, hypothyroidism, autoimmune thyroid diseases, diffuse and multinodular goiter, neoplasms)
* Parathyroid Glands (hyperparathyroidism, hypoparathyroidism, tumors)
* Adrenal Cortex (hyperadrenalism, adrenal insufficiency, adrenocortical neoplasms)
* Adrenal Medulla (tumors)
1. **Pathology of the male genital system – Magda Zwolińska, MD**
* Penile diseases
* Diseases of the scrotum, testicles and epididymis
* Prostate diseases
1. **Urinary tract – Natalia Skoczylas-Makowska, MD**
* Neoplasms of urinary bladder
* Glomerular diseases (nephritic syndrome, nephrotic syndrome, symptoms and examples of associated glomerulonephritis).
* Diseases affecting tubules and interstitium (including tubulointerstitial nephritis induced by drugs and toxins, acute tubular necrosis )
* Analgesic nephropathy
* Acute and chronic pyelonephritis
* Diseases involving blood vessels (including benign and malignant hypertension)
* Chronic kidney disease
* Cystic diseases of the kidney
* Urinary outflow obstruction - general
* Urolithiasis – general
* Congenital and Developmental Anomalies – general
* Renal neoplasms
* Polycystic Kidney Disease
* Hydronephrosis – general
1. **Central nervous system - Natalia Skoczylas-Makowska, MD, PhD**
* Congenital Malformations and Perinatal Brain Injury
* Edema, Herniation and Hydrocephalus
* Cerebrovascular diseases (including cerebral infarction)
* Central Nervous System Trauma
* Tumors of CNS – general features, calssification
* Infections of the Nervous System-general, epidural and subdural, meningitis, cerebral abscess)
* Primary glial neoplasms
* Meningiomas
1. **Pathology of the female genital system part 1 – Jakub Jóźwicki , MD, Phd**
* Vulva ( vulvitis, nonneoplastic disorders, tumors)
* Vagina (vaginitis, malignant neoplasms)
* Cervix (cervicitis, neoplasia, endocervical polyp)
* Uterus (endometritis, adenomyosis, endometriosis, abnormal uterine bleeding, proliferative lesions of the endometrium and myometrium)
1. **Pathology of the female genital system part 2 – Jakub Jóźwicki , MD, Phd**
* Fallopian tubes
* Ovaries (follicle and luteal cysts, pollycystic ovarian syndrome, tumors of the ovary)
* Diseases of pregnancy (Placental inflammations and Infections, Ectopic Pregnancy, Gestational Trophoblastic Disease)
1. **Pathology of the breast and skin- Izabela Neska – Długosz, MD. PhD**
* Clinical Presentations of Breast Disease
* Inflammatory Processes
* Stromal Neoplasms
* Benign Epithelial Lesions
* Breast Carcinoma
* Acute Inflammatory Dermatoses
* Chronic Inflammatory Dermatoses
* Infectious Dermatoses
* Blistering (Bullous) Disorders
* benign, precancerous and malignant conditions of the skin.
* malignant epidermal tumors (basal and squamous cell skin carcinoma);
* melanocytic proliferations (melanocytic nevi, melanoma)