

Course Title: PATHOPHYSIOLOGY
it's a part of PATHOLOGY course
run by Department of Pathomorphology and Department of Pathophysiology

Responsible person/contact: Dr K.Ciesielczyk/e-mail: katarzyna.ciesielczyk@uj.edu.pl

Address: Department of Pathophysiology, 18 Czysa St., Kraków

Year: 2-6

Total number of hours: **76**

Seminars/Labs/Practicals: 74

Others (e.g. recitation): -

Exams: 2

| | Day | Time | N0 of h | Group | Topic | Teacher | place |
|--|--------------|-------------|------------|-------|---|------------------|-------|
| Week16 February 19-23 | Tu | 12:30-14:45 | 3 | A | Disorders of the esophagus, stomach, duodenum. Zollinger-Ellison syndrome. /Cases/ | Dr A.Ziomber | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 17 Feb-March 26-2 | Tu | 12:30-14:45 | 3 | A | Brain-gut axis. GI tract symptoms: diarrhea, constipations. Disorders of the small intestine and colon. /Cases/ | Dr K.Ciesielczyk | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 18 March 5-9 | Tu | 12:30-14:45 | 3 | A | Hyperbilirubinemias. Jaundice. Gallbladder diseases. Alcoholic and non-alcoholic fatty liver. Liver cirrhosis. /Cases/ | Dr K.Ciesielczyk | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 19 March 12-16 | Tu | 12:30-14:45 | 3 | A | Hepatitis. Pancreatitis. Pathomechanism of pain. Types of pains: nociceptive and neuropathic, visceral and somatic. /Cases/ | Dr K.Ciesielczyk | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 20 March 19-23 | Tu | 12:30-14:45 | 3 | A | Diabetes mellitus. Types. Complications. /Cases/ | Dr A.Ziomber | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 21 Tu Mar 27 Th April 5 | Tu | 12:30-14:45 | 3 | A | HP axis. Pituitary adenoma. DI. SIADH. Body weight control. Obesity. /Cases/ | Dr K.Ciesielczyk | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | EASTER BREAK | | | | | | |
| | Th | 12:00-14:15 | 3 | D | HP axis. Pituitary adenoma. DI. SIADH. Body weight control. Obesity. /Cases/ | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| | | | | | | | |
| Week 22 April 9-13 | Tu | 12:30-14:45 | 3 | A | Cushing’s Syndrome. Aldosteronism. Adrenocortical insufficiency. Disorders of adrenal medulla. /Cases/ | Dr A.Ziomber | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 23 April 16-20 | Tu | 12:30-14:45 | 3 | A | Thyroid disorders: Hyperthyroidism, Hypothyroidism. Goitre. Primary and secondary parathyroidism. /Cases/ | Dr A.Ziomber | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 24 April 23-27 | Tu | 12:30-14:45 | 3 | A | Acute kidney injury (AKI): prerenal, intrinsic, postrenal. Chronic kidney disease (CKD). /Cases/ | Dr A.Ziomber | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 25 | MAY BREAK | | | | | | |
| Week 26 May 7-11 | Tu | 12:30-14:45 | 3 | A | Clinical manifestation of altered kidney function. Glomerulonephritis and nephrotic syndrome. Nephrolithiasis. /Cases/ | Dr A.Ziomber | ? |
| | | 14:45-17:00 | 3 | C | | | ? |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| | | | | | (May 8, 2018 change of class location) | | |

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| Week 27 May 14-18 | Tu | 12:30-14:45 | 3 | A | Acid-base imbalance: acidosis, alkalosis. Edema: causes, classification, pathomechanism. Cerebral edema. /Cases/ | Dr K.Ciesielczyk | A13 |
| | | 14:45-17:00 | 3 | C | | | A13 |
| | Th | 12:00-14:15 | 3 | D | | | A13 |
| | | 14:15-16:30 | 3 | B | | | A13 |
| Week 28 May 22 | Tu | | 2 | A | 2nd mid-term test gastrointestinal, endocrine, kidney, neurological diseases, acid-base, edema | | CDK |
| | | | 2 | C | | | |
| | | | 2 | D | | | |
| | | | 2 | B | | | |
| Week 29 May 29 | Tu | 12:00-12:45 | 1 | A | Remedial work assignment for Students who do not achieve Pathophysiology course's requirements | | |
| | | | 1 | C | | | |
| | | | 1 | D | | | |
| | | | 1 | B | | | |
| June 2018 | | | 2 | A | PATHOLOGY FINAL EXAM - 100 question test will cover material taught on Pathophysiology and Pathomorphology classes during both semesters | | |
| | | | 2 | C | | | |
| | | | 2 | D | | | |
| | | | 2 | B | | | |

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Evaluation of Pathophysiology

- there will be 2 mid-term tests of Pathophysiology (30 questions each)

| Assessment of Pathophysiology | | |
|-------------------------------|-----------|---|
| 1 st mid-term | 30 points | Students to take a final exam of PATHOLOGY have to get over 50% based upon sum of both mid-term tests (sum of both tests 31 points at least). |
| 2 nd mid-term | 30 points | |
| Remedial Work (see below) | | |

- Remedial Work assignment** – Students who do not achieve the minimum score (31 points of sum of both mid-term tests) have possibility to take the additional remedial assignment. Students will be given one Case Study and will be asked to complete 10 question quiz related to the Case, minimum 6 points is required to pass. If Student fail an assignment, it will have to be retaken. Upon successful completion of assignment the Student will be able to take a final exam of Pathology.
- Tests:** test question will be in USMLE multiple choice questions type with only one correct answer and will be based on material covered on classes and recommended materials; tests will not be returned to the Student.

Pathophysiology class policies and procedures

- Textbook:**
 - Pathophysiology of Disease, 5th Ed., Stephen J. McPhee. ISBN 0-07-110523-9 McGraw Hill
- Additional recommended:**
 - Pathophysiology of Heart Disease, 4th Ed., Leonard S. Lilly, ISBN 0-7817-4027-4
 - Pulmonary Pathophysiology, Michael A. Grippi, ISBN:0397513291 Lippincott Williams & Wilkins
 - Color atlas of pathophysiology. S. Silbernagl, ISBN 0865778663
- Attendance policy**

Class attendance is regarded as an obligation as well as a privilege, and students are expected to attend regularly and punctually at classes. Over three (3) absences leads to a failure in the course.
- Office Hours** - will be held by appointment.

If you have any question related to Pathophysiology classes please contact: dr Katarzyna Ciesielczyk katarzyna.ciesielczyk@uj.edu.pl
Department of Pathophysiology, JU MC
18 Czysa St., 31-121 Kraków

| Assessment of PATHOLOGY |
|--|
| course of Pathology is run by Department of Pathophysiology and Department of Pathomorphology |
| Final Exam – 100 question test The exam will cover all the material taught on Pathophysiology and Pathomorphology classes during both semesters. |