**INTERNAL MEDICINE**

**WNM, academic year 2023/2024; 6th study year**

**Semester XI (winter) 2023/2024:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Lectures | Seminars | Bedside teaching |
| hours 90 | 0 | 0 | 90 |

**Initials of Professors:**

**prof. A. Doboszyńska – AD**; Department of Pulmonology and Infectiology Samodzielny Publiczny Zespół Gruźlicy i Chorób Płuc, Jagiellońska 78 Street

**prof. dr hab. med. Andrzej Rynkiewicz - AR** (1st Clinic of Cardiology and Internal Medicine,

Miejski Szpital Zespolony Niepodległości 44 Street)

**dr hab. n. med. Adam Kern** Clinic Ward Cardiology Voivodeship Hospital - Wojewódzki Szpital Specjalistyczny, ul. Żołnierska 18, 10- 561 Olsztyn

**dr n. med. T. Arłukowicz – TA;** Department of Internal Medicine Voivodeship Hospital - Wojewódzki Szpital Specjalistyczny, ul. Żołnierska 18, 10-561 Olsztyn

**bedside teaching groups – 8**

**8.00-13.00** (**6** hours) bedside teaching in respective Departments (including two 15- minute break)

**Rotation plan between departments bedside teaching in Semester XI:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Group**  **1a,** **1b** | **Group**  **2a, 2b** | **Group**  **3a, 3b** | **Group**  **4a, 4b** |
| **AD** | **Gr 1a**  **3,4,5,6,9.10.23**  **Gr 1b**  **9,10,11,12,13.10.23** | **Gr. 2a**  **3,4,5,6,10.10.23**  **Gr. 2b**  **15,16,17,20,21.11.23** | **Gr 3a**  **8,9,10,13,14.11.23**  **Gr 3b**  **22,23,24,27,28.11.23** | **Gr 4a**  **29,30.11; 1,4,5.12.23**  **Gr. 4b**  **14,18,19,20,21.12.23** |
| **AR** | **23,24.01.24** | **25,26.01.24** | **15,16.11.23** | **20,21.11.23** |
| **AK** | **Gr 1a**  **16,17,18.10.23**  **Gr 1b**  **13,14,15.11.23** | **Gr 2a**  **20,21,22.11.23**  **Gr 2b**  **9,10.11.10.23** | **Gr 3a**  **23,24,25.10.23**  **Gr. 3b**  **6,7,8.11.23** | **Gr 4a**  **11,12,13.12**  **Gr. 4b**  **27,28,29.11.23** |
| **TA** | **24,25,26,27.10;**  **6.11.23** | **17,18,19,20,23.10.23** | **10,11,12,13,16.10.23** | **3,4,5,6,9.10.23** |

**Topics of Bedside teaching:**

**Cardiology (18h – 3 days) AK**

Classes I

1/ Myocardial revascularization

a/ ST-Segment Elevation Acute Coronary Syndromes (STEACS)

b/ Non-ST-Segment Elevation Acute Coronary Syndromes (NSTEACS)

c/ Chronic Coronary Syndromes (CCS)

2/ Structural heart diseases

a/ Atrial Septal Defect/Patent Foramen Ovale (ASD/PFO)

b/ Left Atrial Appendage Closure (LAAC)

c/ Balloon Aortic Valvuloplasty (BAV)

d/ Transcatheter Aortic Valve Implantation (TAVI)

Classes - II

1/ Electrotherapy

a/ Implantable Pulse Generator (IPG)

b/ Implantable Cardioverter-Defibrillator (ICD)

c/ Cardiac Resynchronization Therapy (CRT)

2/ Electrophysiology

a/ Electrophysiology Studies (EPS)

b/ Cardiac Ablation

**Cardiology (12h-2 days) LG/AR**

1. Chronic coronary disease

2.Acute coronary syndrome with and without ST segment elevation

**Pulmonology (30h – 5 days): AD**

Diagnostic tests in pulmonology: spirometry, plethysmography, bronchofiberscopy, polysomnography, ergospirometry, Principles of diagnosis in tuberculosis.

2. Imaging in respiratory system disease: X- ray, CT, HRCT of the chest. Lung ultrasound, PET.

3. Drugs in lung disease.

4. Allergies – urticaria, angioedema, anaphylaxis and anaphylactic shock.

5. Lung tumor diagnosis

**Gastrology (30h – 5 days x 6h 08.00-13.00)TA**

1. Indigestion, anorexia and bulimia
2. Upper and lower digestive tract bleeding in internal diseases
3. Diagnostic strategy in gastrointestinal diseases
4. Dietary hints for malnourished patients
5. Diet in GI malignancies
6. Diarrhea and constipation – etiology, differentia diagnosis, treatment)
7. Demonstration of gastroeneterological procedures: esophageal varices ligation, gastrostomy, polipectomy, intrahepatic gradient measurements.
8. Demonstration and discussion of typical imaging procedures in different pathologies of GI tract and digestive system diseases
9. Clinical consequences of digestion abnormalities, malabsoprtion syndromem and malnutrition.
10. Primary and metastatic maligancies of digestive system.

**Literature:**

1. Differential Diagnosis in Internal Medicine. Siegenthaler W., Thieme - 2011
2. Clinical medicine. Kumar & Clarks Saunders – Elsevier, 2009
3. Davidson’s Principles & Practice of Medicine. Boone N.A., Colledge N.R – Editors, Churchill Livingstone – Elsevier, 2010
4. Lee Goldman, MD and Andrew I. Schafer, MD - Goldman's Cecil Medicine. Saunders 2012