

PHARMACOLOGY AND TOXICOLOGY 3/3, 2024/2025, III YEAR of MEDICINE; SEMESTER VI English Division, (15 hrs lectures, 30 hrs seminars, 30 hrs classes)

Tutor for the semester: PIOTR JAKUBOWSKI, PhD

1	Seminar 28.02 Behring Center 107 Gr1,2: 13.15 – 16.15 Gr 3: 16.30 – 19.30	Eicosanoids: Prostaglandins (PGE2, PGI2), thromboxanes (TXA2), leukotrienes (LTB4, LTC4, LTD4, LTE4). NSAIDs: COX-2 inhibitors (celecoxib, rofecoxib), non-selective NSAIDs (ibuprofen, naproxen), aspirin.	Piotr Kozera, MD
2	Classes 7.03 Behring Center 107 Gr 3: 13.15 – 16.15 Gr 2: 16.30 – 19.30	Disease-modifying rheumatic drugs (DMARDs): Methotrexate, sulfasalazine, hydroxychloroquine, leflunomide, biologics (TNF-alpha inhibitors: adalimumab, etanercept, infliximab). Non-opioid analgesics: Paracetamol (acetaminophen), metamizole. Drugs used in gout: Allopurinol, febuxostat, colchicine, probenecid.	Piotr Jakubowski, PhD
	10.03 Behring Center 14 Gr 1: 16 – 19		Klaudia Lewandowska, MD
3	Seminar 14.03 Behring Center 107 Gr 3: 13.15 – 16.15 Gr 1,2: 16.30 – 19.30	Opioid analgesics: Morphine, fentanyl, oxycodone, codeine, tramadol. Opioid antagonists: Naloxone, naltrexone. Migraine treatment: Triptans (sumatriptan, rizatriptan), ergotamine derivatives, CGRP receptor antagonists (e.g., erenumab).	Klaudia Kitala – Tańska, MD
4	Classes 17.03 Behring Center 14 Gr 2: 10 – 13 Gr 1: 16 - 19 Gr 3: 13.15 – 16.15	Respiratory diseases: Beta-agonists (salbutamol, salmeterol), anticholinergics (ipratropium, tiotropium), inhaled corticosteroids (beclomethasone, fluticasone), leukotriene modifiers (montelukast), phosphodiesterase-4 inhibitors (roflumilast).	Lek. Klaudia Kitala - Tańska

	Seminar 20.03 Gr. 1,2,3: 19.30 – 20.15 CSM 100D	Colloquium I: Topics 1 -4	Piotr Jakubowski, PhD
5	Classes 21.03 Behring Center 107 Gr 3: 11.30 – 14.30 Gr 2: 14.45 – 17.45	Drugs used in the treatment of gastrointestinal diseases Gastrointestinal diseases: Proton pump inhibitors (omeprazole, lansoprazole), H2 receptor antagonists (ranitidine, famotidine), antacids, antiemetics (ondansetron, metoclopramide), laxatives, antidiarrheals (loperamide).	Piotr Jakubowski, PhD
	24.03 Behring Center 14 Gr 1: 16 – 19		Kludia Lewandowska, MD
6	Seminar 28.03 Behring Center 107 Gr 3: 9.15 – 12.15 Gr. 1,2: 12.30 – 15.30	Pediatric and geriatric pharmacology Age-specific drug considerations, pharmacokinetic and pharmacodynamic changes, common medications used in these populations.	Dr hab. Michał Majewski, prof. UWM
7	Classes 4.04 Behring Center 107 Gr 3: 9.15 – 12.15 Gr 2: 12.30 – 15.30 7.04 Behring Center 14 Gr 1: 16 – 19	Endocrine drugs - Part I: Hypothalamic and pituitary hormones: GnRH agonists (leuprolide), growth hormone (somatropin). Adrenal gland hormones: Glucocorticoids (hydrocortisone, prednisone), mineralocorticoids (fludrocortisone). Bone mineral homeostasis: Bisphosphonates (alendronate), selective estrogen receptor modulators (raloxifene).	Aleksandra Kordas, DMV

8	Classes 11.04 Behring Center 107 Gr 2: 9.30 – 12.30 Gr 3: 12.45 – 15.45	Endocrine drugs - Part II: Thyroid and antithyroid drugs: Levothyroxine, methimazole, propylthiouracil. Pancreatic hormones: Insulin, glucagon-like peptide-1 (GLP-1) receptor agonists (liraglutide, semaglutide). Antidiabetic drugs: Metformin, sulfonylureas (glipizide), thiazolidinediones (pioglitazone). Gonadal hormones: Estrogens, progestins, androgens.	Piotr Jakubowski, PhD
	14.04 Behring Center 14 Gr 1: 16 – 19		Łukasz Smyk, MD
9	Seminar 25.04 Behring Center 107 Gr 3: 8.45 – 11.45 Gr 1,2: 12 - 15	Biopharmaceuticals and gene therapy. Monoclonal antibodies used in medicine. Drugs used in dermatology and ophthalmology.	Dr hab. Michał Majewski, prof. UWM
	Seminar 28.04 Gr. 1,2,3: 18 – 18.45 CSM 100D	Colloquium II: Topics 5- 9	Piotr Jakubowski, PhD
10	Seminar 9.05 Behring Center 107 Gr 3: 9.15 – 12.15 Gr 1,2: 12.30 – 15.30 - 15	Chemotherapy of cancer: Alkylating agents, antimetabolites, antitumor antibiotics , plant alkaloids , targeted therapies	Piotr Jakubowski, PhD

11	Classes 16.05 Behring Center 107 Gr 2: 9.15 – 12.15 Gr 3: 12.30 – 15.30	Immunopharmacology - Immunosuppressive agents - Immunomodulation therapy - Immunologic reactions to drugs	Piotr Jakubowski, PhD
	19.05 Behring Center 14 Gr 1: 18 - 21		Łukasz Smyk, MD
12	Seminar 23.05 Behring Center 107 Gr 1, 2: 8.45 – 11.45 Gr 3: 12 - 15	Toxicology - Introduction to Toxicology: Occupational & Environmental - Heavy Metal Intoxication & Chelators - Management of the Poisoned Patient	Piotr Jakubowski, PhD
13	Classes 26.05 Behring Center 107 Gr 2: 8.30 – 12.15 Gr 3: 12.30 – 16.15 Behring Center 14 Gr 1: 16.30 – 20.15	Interaction between drugs. Adverse effects of drugs.	Piotr Jakubowski, PhD
	2.06 Gr. 1,2,3: 18 – 18.45 CSM 100D	Colloquium III: Topics 10 – 13	Piotr Jakubowski, PhD
14	Seminar 6.06 Behring Center 306 Gr 1,2: 8.30 – 11.30 Gr 3: 11.45 – 14.45	Lifestyle drugs, dietary supplements, OTC drugs, herbal medications. Drugs in sport.	Piotr Jakubowski, PhD

