

PHARMACOLOGY & TOXICOLOGY
(3rd year, 6th semester)
2020-2021.

22nd February – 4th June 2021.

Lecture Room: online	Lecture	Tuesday	9:00 – 10:30
Seminar Room: online	Seminar	Tuesday	10:30 – 12:00 (Group I & II: 10:30-11:15) (Group III & IV: 11:15-12:00)
Laboratory Room: Library+ Classroom	Lab	Thursday	10:30 – 12:00 (Group I & II: 10:30-11:00) (Group III & IV: 11:15-11:45)

Lecturers:

Prof Žigon Nina, MD, PhD
 Prof. Zoran Todorović, MD, PhD
 Prof. Dragan Obradović, MD, PhD,
 Prof. Ljiljana Gojković-Bukarica, MD, PhD
 Prof. Sonja Vučković, MD, PhD
 Prof. Miroslav Radenković, MD, PhD
 Assoc. Prof. Gordana Dragović Lukić, MD, PhD, Course Coordinator
 Assoc. Prof Zorica Nešić, MD, PhD
 Assoc. Prof Nevena Divac, MD, PhD
 Assoc. Prof Janko Samardžić. MD, PhD
 Asist. Prof Katarina Savić Vujović, MD, PhD
 Asist. Prof Branislava Medić, MD, PhD
 Asist. Prof Marko Stojanović, MD, PhD

Teaching Assistants:

Bojana Božić Cvijan, MD, PhD
 Vladimir Đokić, MD, PhD
 Dragana Srebro, MD, PhD
 Miloš Đurić, MD
 Božana Obradović, MD
 Vladislav Pajović, MD
 Maja Stojković, MD
 Miloš Basailović, MD

Date 2021.	Topic	Lecturer/Teaching Assistant
<i>Blood and tissue pharmacology</i>		
Tue 23 Feb	Lecture 1 (2 hrs): Heparin. Oral anticoagulants. Fibrinolytics and antifibrinolytics. Platelet aggregation inhibitors.	Prof. N. Divac
Tue 23 Feb	Seminar 1 (1 hr): Immunopharmacology	Prof. N. Divac
Thu 25 Feb	Lab 1 (1 hr) Drugs acting on blood coagulation - Computer simulation	Asist. B. Božić Cvijan/ Asist. V. Đokić
Tue 02 Mar	Lecture 2 (2 hrs): Basic principles of cancer chemotherapy. Adverse drug reactions and toxicity of cytotoxic agents.	Doc. Branislava Medić Brkić

Tue	02 Mar	Seminar 2 (1 hr): Agents used in anemias.	Doc. M. Stojanović
Thu	04 Mar	Lab 2 (1 hr): Drug induced blood disorders.	Asist. V. Đokić/ Asist. B. Božić Cvijan

Drugs affecting the respiratory system

Tue	09 Mar	Lecture 3 (2 hrs): Drugs affecting the respiratory system (bronchodilators, anti-inflammatory agents).	Prof. S. Vučković
Tue	09 Mar	Seminar 3 (1 hr): Antitussives. Oxygenotherapy.	Doc. K. Savić Vujović
Thu	11 Mar	Lab 3 (1 hr): Drugs affecting smooth muscle contractility (respiratory system, program respiratory pharmacology).	Asist. B. Božić Cvijan/Asist. M. Stojković

Pharmacology of CNS

Tue	16 Mar	Lecture 4 (2 hrs): Psychopharmacology: introduction to psychotropic drugs. Antipsychotic drugs.	Prof. D. Obradović
Tue	16 Mar	Seminar 4 (1 hr): CNS stimulants and hallucinogens.	Prof. J. Samardžić
Thu	18 Mar	Lab 4 (1 hr): Psychotropic drugs.	Asist. B. Božić Cvijan / Asist. M. Stojković
Tue	23 Mar	Lecture 5 (2 hrs): Antidepressants. Anxiolytics. Sedatives.	Prof. D. Obradović
Tue	23 Mar	Seminar 5 (1 hr): Ethanol.	Prof. J. Samardžić
Thu	25 Mar	Lab 5 (1 hr): Psychotropic drugs. Experimental animal models of anxiety.	Asist. M. Đurić/ Asist. V. Pajović
Tue	30 Mar	Lecture 6 (2 hrs): Antiepileptics. Antiparkinsonian agents.	Prof. J. Samardžić
Tue	30 Mar	Seminar 6 (1 hr): Pharmacodynamic and pharmacokinetics of general anaesthetic agents.	Prof. N. Divac
Thu	1 Apr	Lab 6 (1 hr): Convulsants and anticonvulsants drugs (video presentations).	Asist. V. Pajović/ Asist. M. Đurić
Tue	06 Apr	Lecture 7 (2 hrs): Pharmacology of pain, opiates and opioids.	Prof. S. Vučković
Tue	06 Apr	Seminar 7 (1 hr): Pharmacodynamic and pharmacokinetics of local anaesthetic agents	Prof. J. Samardžić
Thu	08 Apr	Lab 7 (1 hr): Analgesic drugs	Asist. D. Srebro/ Asist. V. Pajović

Drugs affecting GUT

Tue	13 Apr	Lecture 8 (2 hrs): Emetics & antiemetics. Drugs affecting gastric secretion.	Prof. J. Samardžić
Tue	13 Apr	Seminar 8 (1 hr): Drugs affecting gastrointestinal motility and secretion.	Prof. G. Dragović Lukić
Thu	15 Apr	Lab 8 (1 hr): Drugs affecting smooth muscle contractility (GUT).	Asist. V. Pajović / Asist. D. Srebro

Toxicology

Tue	20 Apr	Lecture 9 (2 hrs): Basic principles of toxicology.	Prof. M. Radenković
Tue	20 Apr	Seminar 9 (1 hr): Heavy metal intoxication and chelators.	Prof. M. Radenković
Thu	22 Apr	Lab 9 (1 hr): Poisoning with acids and alkalis	Asist. M. Basailović/ Asist. M. Stojković
Tue	27 Apr	Lectures 10 (2 hrs): The most common drug and other substances intoxication.	Doc. M. Stojanović
Tue	27 Apr	Seminar 10 (1hr): The treatment accidental and intentional overdose persons	Doc. B. Medić Brkić
Thu	29 Apr	Lab (1hr): The effect of drugs on blood pressure and heart rate in rats (computer simulations – program Virtual Rat) .	Asist. M. Stojković/ Asist. M. Basailović

Pharmacology of hormones and vitamins

Tue	4 May	Lecture 11 (2 hrs): Introduction to pharmacology of hormones. Pharmacology of thyroid gland and antihyperthyroid agents.	Prof. Z. Todorović
Tue	4 May	Seminar 11 (1 hr): Hypothalamic and pituitary hormones (adenohypophysis).	Prof. Z. Nešić
Thu	6 May	Lab 11 (1 hr): Computer simulation of drug action. Drugs affecting uterus Colloquium 2	Asist. D. Srebro/ Asist. V. Đokić
Tue	11 May	Lecture 12 (2 hrs): Pharmacology of insulin and oral antidiabetics.	Prof. Z. Todorović
Tue	11 May	Seminar 12 (1 hr): Hypothalamic and pituitary hormones (neurohypophysis).	Prof. Z. Nešić
Thu	13 May	Lab 12 (1 hr): Drugs causing hyper- and hypoglycemia and therapy	Asist. V. Đokić/ Asist. D. Srebro
Tue	18 May	Lecture 13 (2 hrs): Steroid hormones: glucocorticoids, mineralocorticoids.	Prof. Z. Todorović
Tue	18 May	Seminar 13 (1 hr): Drugs affecting bone mineral homeostasis.	Prof. Z. Todorović
Thu	20 May	Lab 13 (1 hr): The action of glucocorticoids on the immune system: Corticotherapy in sepsis (discussions) Colloquium 2 - Re-test	Asist. M. Đurić/ Asist. B. Obradović
Tue	25 May	Lecture 14 (2 hrs): Estrogens. Gestagens. Hormonal contraceptives. Anabolics. Antiandrogens.	Prof. Lj. Gojković Bukarica
Tue	25 May	Seminar 14 (1 hr): Vitamins used in pharmacotherapy.	Doc. B. Medić Brkić
Thu	27 May	Lab 14 (1 hr): Drugs and pregnancy.	Asist. B. Obradović/ Asist. M. Đurić
Tue	01 Jun	Lecture 15 (2hr): Make up class	Prof. G. Dragović Lukić
Tue	01 Jun	Seminar 15 (1hr): Make up class	Prof. G. Dragović Lukić
Thu	03 Jun	Lab 15 (1hr): Make up class	Asist. M. Đurić

Course co-ordinator: Prof. dr Gordana Dragović Lukić