Department of Medical Microbiology Institute of Microbiology and Immunology Faculty of Medicine, University of Belgrade



Medical Microbiology Colloquium I

Dear students,

The **Medical Microbiology Colloquium I** will be held on **December 23, 2024**, from 4:30 to 5:30 p.m. at the amphitheatre of the Institute of Pathology (Dr Subotica 1)

Attendance is mandatory for all students.

The focus of the colloquium will be on general bacteriology, laboratory diagnosis of bacterial infections, and the causative agents of infectious diseases you have studied up until December 23rd. The topics for the colloquium will include lectures, seminars, and practical classes. Please, find below the detailed programme of the topics that will be addressed.

The colloquium will be in the form of a test containing 35 multiple-choice questions. To pass the colloquium, at least 18 correct answers are necessary.

Besides the textbook, using Course material uploaded on the Online Study Platform is highly recommended for preparing topics for the Colloquium.

Kind regards,

Course Director Prof. Ina Gajić

Belgrade, 12 November 2024

Medical Microbiology Colloquium I - Topics

	1.	Lecture: Introduction to Medical Microbiology. Bacterial taxonomy and general bacterial
I	2	Sominar: Dathogonicity and virulance. Normal microbiota and symbiotic according
	2.	Seminal: Pathogenicity and Vildence. Normal microbiola and symbolic associations.
	5.	flagellum nilli atc.) Starilization control of starilization disinfaction
-	1	Lab: Specimen collection (examination of specimen from different ergan systems)
	4.	Specimen transport (package and labeling)
-		Locture: Pactorial gapatic material. Constit exchange in hastoria: transformation
	5.	conjugation and transduction
Ì	6	Laby Detection of bacteria in clinical specimens (microscopic examination, antigen
	0.	detection and gone detection)
	7	Lecture: Virulence fectors of besterie (adhesius fectors, investive fectors, tevins)
Ì	7.	Lecture. Virulence ractors of bacteria (duriesive ractors, invasive ractors, toxins).
	<u>ð.</u>	Lab. Methods for isolation and identification of bacterial agents (antibiotics). Besterial resistance to
	9.	aptibactorial agents
ł	10	Labi Antimicrobial suscentibility testing
	11	Lab. Antimicrobial susceptibility testing.
	11.	growth and replication of bacteria
	10	Sominar: Properties and medical importance of Stanbulacescus spp. Biofilm formation
	12	Lecture: Properties of and medical importance of Strantococcus spp. Biomin formation.
	15.	con
Ī	1/	Seminar: Properties and medical importance of <i>Corunehacterium</i> spp. Bacterial zoonoses
	14.	Properties and medical importance of <i>Bacillus</i> spp.
		roperties and medical importance of <i>Bacinus</i> spp.
_	15.	Lecture: Properties and medical importance of <i>Clostridium</i> spp.
	16.	Lab: Laboratory diagnosis of infections caused by <i>Streptococcus</i> spp. and <i>Enterococcus</i>
_		spp.
_	17.	Lecture: Properties and medical importance of <i>Mycobacterium</i> spp.
	18.	Lab: Laboratory diagnosis of infections caused by <i>Staphylococcus</i> spp. Laboratory
Ļ		diagnosis of infections caused by Mycobacterium spp.
	19.	Lecture: Properties and medical importance of order <i>Enterobacterales</i> . Characteristics and
		medical importance of <i>Escherichia coli</i> . Characteristics and medical importance of
		opportunistic enterobacteria
	20.	Seminar: Properties and medical importance of <i>Salmonella</i> spp., <i>Shigella</i> spp. and <i>Yersinia</i>
		spp.