

FACULTY OF GENERAL MEDICINE LECTURES IN MEDICAL MICROBIOLOGY FOR THE 3RD YEAR STUDENTS
YEAR 2020/2021 SEMESTER 1 (Fall semester), Tuesday 09:20-10:30, PLACE: GREEN AUDITORIUM, NET

Week	Date	Topic(s)	Lecturer	Substitution
1	08.09.	• Introduction. General information and requirements • Morphology and physiology of bacteria • Host-parasite relationship: Pathogenicity and virulence. Pathomechanism, molecular pathogenesis, virulence factors. Infection and disease, vaccines	Dr. Szabó D.	Dr. Ghidán Á.
2	15.09.	Antimicrobial drugs I.: • Modes of action and interactions of antibiotics and chemotherapeutics	Dr. Szabó D.	Dr. Dobay O.
3	22.09.	Antimicrobial drugs II.: • Origin, mechanisms, induction, transfer, spreading, elimination and control of resistance • Principles and practice of the antibacterial chemotherapy	Dr. Szabó D.	Dr. Kocsis B.
4	29.09.	• Introduction to the classification of medically important bacteria: principles of taxonomic, epidemiological, nosological, as well as pathogenetical classification • Gram-positive cocci: The <i>Staphylococcus</i> and <i>Streptococcus</i> genus • The normal flora of the skin	Dr. Dobay O.	Dr. Kocsis B.
5	06.10.	• Gram-positive non-spore forming rods: <i>Corynebacterium</i>, <i>Listeria</i>, <i>Erysipelothrix</i>, <i>Lactobacillus</i> • Normal flora of the vagina • Probiotics	Dr. Szabó D.	Dr. Ghidán Á.
6	13.10.	• Gram-negative cocci and coccobacilli I.: <i>Neisseriaceae</i>, <i>Pasteurella</i>, <i>Bordetella</i>, • Normal flora of the respiratory tract	Dr. Szabó D.	Dr. Ghidán
7	20.10.	• Gram-negative cocci and coccobacilli II.: <i>Haemophilus</i>, <i>Francisella</i>, <i>Brucella</i> • Gram-negative non-fermenting rods: <i>Pseudomonas</i>, <i>Burkholderia</i>, <i>Acinetobacter</i>, <i>Stenotrophomonas</i> and <i>Legionella</i>	Dr. Szabó D.	Dr. Kocsis B.
8	27.10.	• Gram-negative facultative anaerobic rods I: <i>Escherichia coli</i>, <i>Klebsiella</i>, <i>Salmonella</i>, <i>Shigella</i>, <i>Proteus</i>	Dr. Szabó D.	Dr. Dobay
9	03.11.	• Gram-negative facultative anaerobic rods II: <i>Yersinia</i>, <i>Vibrio</i>, • Gram-negative microaerophilic curved rods: <i>Campylobacter</i>, <i>Helicobacter</i> • Normal flora of the gastrointestinal tract	Dr. Szabó D.	Dr. Ghidán

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	Date	Topic(s)	Lecturer	Substitution
10	10.11	- Gram positive spore-forming rods: <i>Bacillus</i> and <i>Clostridium</i> genus - Non-spore-forming obligate anaerobic bacteria and associated infections	Dr. Ghidán Á.	
11	17.11.	- Unclassifiable bacteria by Gram stain (acid-fast bacteria) - Aerobic: <i>Mycobacterium</i>, <i>Nocardia</i> - Anaerobic: <i>Actinomyces</i>	Dr. Nagy K.	Dr. Dobay O.
12	24.11.	Spirochaetales: <i>Treponema</i>, <i>Borrelia</i>, <i>Leptospira</i>	Dr. Nagy K.	Dr. Dobay O.
13	01.12.	Obligate intracellular and epicellular bacteria: <i>Rickettsiales</i>, <i>Chlamydiales</i>, <i>Mycoplasmatales</i>	Dr. Nagy K.	Dr. Ghidán Á.
14	08.12.	Nosocomial and iatrogenic infections. Vaccines	Dr. Szabó D.	Dr. Kocsis B.

2020 September 01.

Dr. Dora Szabo MD, PhD, DSc
Director

Dr. Agoston Ghidan
Tutor