Course title: Pharmacotherapy of infections in dentistry (DIV-PHTID)


Course status: elective

ECTS Credits: 3

Condition: -

Course aim
To acquire skills in applying knowledge in general and special pharmacology in dentistry

Expected outcome of the course:
Students should be aware of the importance of antisepsics, disinfectants and antibiotics in everyday dentistry practice with an aim of preventing outbreak and spread of the infection, as well as the development of bacterial resistance to antimicrobial agents. Student should learn to select the appropriate antiseptic, disinfectant or antibiotic in his everyday practice, to be acquainted with the pharmacotherapeutical approach to infection treatment, the pain in dentistry, to know the importance of adequate administration of sedatives in everyday practice and to be in line with information sources pertaining to novel drugs applied in practice with particular emphasis on drugs that can manifest undesirable and adverse effects in the oral cavity. Student should be trained for appropriate application of disinfectants and antiseptics in everyday practice, adequate use of antibiotics in both prophylaxis and treatment, applying data sources on drugs commonly used in dental medical practice and identifying and recognizing adverse effects of the drugs in the micro-environment of the oral cavity.

Course description

Practical education: exercises, other forms of education, research related activities:
Practical application of disinfectants for working surfaces, instruments, principles of asepsis in personnel (hand hygiene) aimed at preventing infection outbreak and spread in dental medical practice. Practical application of antiseptics in patients. Proper selection of antibiotics for prophylaxis of most common procedures in dentistry. Practical application of antibiotics in most common infections in dentistry. Practical application of analgesics based on knowing the action mechanisms and pharmacokinetics of the analgesics, their adverse effects and interactions with other drugs in most prevalent painful conditions in dentistry. Practical application of sedatives based on knowing the action mechanisms and pharmacokinetics of these drugs, their adverse effects and interactions with other drugs. Using available data sources on drugs available in everyday practice. Knowing the drugs that can manifest adverse effects on teeth and the oral cavity.

Literature
Compsusory:

Additional

Number of active classes
Lectures: 30 | Practice: 15 | Other types of teaching: | Research related activities:

Teaching methods Theoretical and practical

Student activity assessment (maximally 100 points)
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