

Study program : DENTISTRY
Type and level of studies: Integrated academic studies, Level 1/2
Course unit: Forensic Medicine
Teacher in charge : Associate Professor Miloš Todorović
Language of instruction : ENGLISH
ECTS: 4
Prerequisites: Completed course in forensic medicine
Semester: SUMMER SEMESTER
Course unit objective: Acquiring knowledge and skills in forensic medicine.
<p>Learning outcomes of Course unit:</p> <p>The aim of this course is to provide students with knowledge and skills to understand and correlate medicine and law in order to provide personal physical and psychological integrity. Legal status of medical practice, ethical and legal responsibility of a physician. Use of acquired knowledge in practice. Development of skills necessary for scientific research. Practical application of theoretical knowledge. Examination of the deceased, determination of cause, manner and time of death. Identification of the deceased. Examination of injured persons, classification and qualification of injuries. Issuance of medical documents - death certificates and medical reports of injuries. Taking biological samples for purpose of identification and toxicology screening. Use of medical knowledge in trial cases. Understanding the principles of causation - complex relations between primary cause (injury or disease), course of injury or disease along with all possible complications, and final consequences (complete or incomplete recovery vs. death).</p>
<p>Course unit contents</p> <p><i>Theoretical classes</i></p> <p>Brief history of forensic medicine. Basic tasks of forensic medicine. Tanatology. Dying and death, terms and definitions. Concept of brain death. Medicolegal aspects of transplantation. Postmortem changes. Time of death. Deaths due to natural causes. Medico-legal aspects of natural death. Diseases and injuries. Classification of injuries. Reactions of the organism to injury. Vital, agonal and post mortal injuries. Mechanical injuries – classification and characteristics. Common features of wounds and injuries. Asphyxia. Craniocerebral injuries – classification and biomechanics. General and special toxicology. Definitions and classification of poisons. Drug addiction. Opioids, psycho stimulants, hallucinogens. Ethyl alcohol – forensic aspects. Physical injuries. Accident, suicide, homicide. Identification. Traffic injuries. Legal status of medical practice. Forensic expert, legal provisions and basics of medico legal expertise. Forensic qualification of injuries. Legal provisions and medical criteria. Examination of the injured and defendants.</p> <p><i>Practical classes</i></p> <p>Description of post-mortem changes and post-mortem decomposition. External body examination of injured and deceased. Autopsy and exhumation. Death and signs of death. Brain death. Evidence and description of mechanical injuries. Asphyxia. Special autopsy of the neck organs. Analysis of head, injuries. Chemical injuries. Special autopsy of poisoned. Drugs and drug addiction. Forensic aspects of alcohol. Physical injuries. Medicolegal expertise (findings, discussion and conclusion) in the cases of violent deaths. Child abuse. Forensic anthropology and identification. Special autopsy of those killed in traffic accidents. Special autopsy on closed pneumothorax. Medico legal significance of medical documentation. Medico legal expertise (findings, discussion and conclusion) of court files. Elements of analysis and synthesis. Relevant findings in reports, forensic issues and reports.</p>

Literature

1. Savić S. Veljković S. Đokić V. Alempijević Đ. Nikolić S. Forensic medicine. Textbook for medical students. School of medicine University of Belgrade, 2002.
2. DiMaio D, DiMaio VJ. Forensic pathology (Practical Aspects of Criminal and Forensic Investigations) , second Edition. CRC press, 2001.
3. Saukko P. and Knight B. Knight's Forensic Pathology, fourth Edition. CRC press, 2015.

Number of active teaching hours				Other classes
Lectures: 30	Practice: 30	Other forms of classes:	Independent work:	
Teaching methods: Lectures, practice in a clinic, clinical problems solving				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam	No. of points:	
Student's activity during lectures	30	oral examination		
practical classes/tests		written examination	60	
Seminars/homework	10			
Project				
Other				

Grading system		
Grade	No. of points	Description
10	95-100	Excellent
9	85-94	Exceptionally good
8	75-84	Very good
7	65-74	Good
6	55-64	Passing
5	< 54	Failing

Course unit description