

UNIVERSITY OF BELGRADE
FACULTY OF MEDICINE
PhD STUDIES

NAME OF THE MODULE: PATHOLOGIC BASIS OF DISEASE

CONTENT OF THE PROGRAM:

The module Pathological Basis of Disease offers a mastering of the use and analysis of basic methods in pathology, as well as the application of various methods of molecular pathology. In addition, PhD students will become familiar with the modern concepts of the pathology of non-malignant diseases, (including the pathology of circulation, inflammation, autoimmune diseases and transplantation), as well as with the pathology of tumors, mechanisms of tumorigenesis, diagnostic algorithms, using methods of processing and analysis of tissue samples by organ systems. The application of prognostic and theragnostic markers in tumor pathology will be also studied. PhD will have the opportunity to express their special interests through elective courses, where they will be able to devote themselves to mastering the analysis and interpretation of the results obtained by autopsy and analyzing the pathological processes (inflammatory, autoimmune, degenerative, tumor) of the aerodigestive tract, central nervous system, hematopoietic system, urogenital tract, skin, soft tissues, endocrine system and breast.

ADMISSION REQUIREMENTS:

- average grade from all previous levels of study to be at least 8.00
- knowledge of the English language to the level of ability to communicate and follow scientific literature
- appropriate computer skills
- desirable recommendations related to engaging in scientific and research work
- persons with completed integrated academic studies in medical sciences lasting 6 years (360 ECTS); or
- persons with completed academic studies in biological or medical orientation who achieved at least 300 ECTS at previous levels of study

MEMBERS OF THE ADVISORY BOARD:

1. Prof. dr Svetislav Tatić, president
2. Prof. dr Dimitrije Brašanac
3. Prof. dr Sanja Radojević Škodrić
4. Prof. dr Svetozar Putnik

OBLIGATORY COURSES:

1. Methods in pathology and molecular pathology
2. Pathological basis of non-malignant diseases
3. Pathology of tumors

ELECTIVE COURSES:

1. Autopsy casuistry
2. Pathology of the aerodigestive tract
3. Pathology of the skin, soft tissues, endocrine system and breast
4. Pathology of the central nervous system
5. Pathology of the hematopoietic system
6. Pathology of the urogenital tract

