Study program: Integrated Academic Studies in Medicine

Course title: Special Epidemiology of Non-Communicable Diseases

Teacher: Tihomir I. Dugandžija, Smiljana Đ. Rajčević

Course status: elective

ECTS Credits: 3

Condition:

Course aim

The aim of this course is to provide students with contemporary knowledge about the epidemiology of non-communicable diseases, to recognize and implement measures of prevention and control of non-communicable diseases and to be able to apply in practice the knowledge and skills acquired.

Expectedoutcomeofthecourse:

Students need to be able to analyse and interpreted data that received from epidemiological surveillance of non-communicable diseases, evaluate the leading risk factors of non-communicable diseases, and conduct epidemiological investigation and preventive and control measures in this field.

Students get acquainted with epidemiological methods and their implementation in routine work with patients, they become familiar with the epidemiology of non-communicable diseases in population in order to recognize them and take measures of prevention and control.

Course description

Theoretical education

1. Definition, aim and objectives of epidemiology
2. Epidemiological surveillance of non-communicable diseases
3. Application of epidemiological methods in non-communicable disease epidemiology research
4. Levels of prevention of non-communicable diseases (primordial, primary, secondary and tertiary).
5. Epidemiology of gastrointestinal, endocrine and metabolic diseases (epidemiological indices, risk factors, prevention and control, characteristics)
6. Epidemiology of mental and neural diseases (epidemiological indices, risk factors, prevention and control, characteristics)
7. Epidemiology of chronic respiratory diseases (epidemiological indices, risk factors, prevention and control, characteristics)
8. Epidemiology of cardiovascular and cerebrovascular diseases (epidemiological indices, risk factors, prevention and control, characteristics)
9. Epidemiology of malignant diseases (epidemiological indices, risk factors, prevention and control, characteristics).
10. Epidemiology of injuries (epidemiological indices, risk factors, prevention and control, characteristics).

Practical education

1. Epidemiological methods–interpretation of results of epidemiological studies
2. Diagnostic tests - interpretation
3. Epidemiology of gastrointestinal, endocrine and metabolic diseases
4. Epidemiology of mental and neural diseases
5. Epidemiology of chronic respiratory diseases
6. Epidemiology of cardiovascular and cerebrovascular diseases
7. Epidemiology of malignant diseases
8. Epidemiology of injuries

Literature

Compulsory

1. Gordis L. Epidemiology, 5th edition. Saunders; 2013
2. WHO. Global status report on non communicable diseases 2014. World Health Organization, Geneva; 2015
3. Porta M. Dictionary of Epidemiology. 6th edition. Oxford University Press; 2016

Additional

1. Bonita R, Beaglehole R, Kjellstrm T. Basic Epidemiology, 2nd edition. WHO; 2006
2. Rothman K. Epidemiology: An Introduction, 2nd edition. Oxford University Press; 2012

Number of active classes	**Theoretical classes:** 15	**Practical classes:** 30

Teaching methods

Ex-cathedra theoretical lectures, practical sessions with active participation of previously prepared students, with appropriate literature announced during previous practical session

Student activity assessment (maximally 100 points)

Pre-exam activities	points	Final exam	points
Lectures	20	Written	50
Practices	30	Oral	
Colloquium		.....	
Essay			