
Course title: EBM

ECTS credit allocation (and other scores): 1

Semester: spring

Level of study:ISCED-7 - second-cycle programmes (EQF-7)

Branch of science:Medical and health sciences

Language: English

Number of hours per semester: 10

Course coordinator/ Department and e-mail: Prof. Tomasz Stompór MD, PhD / Department of Internal Medicine / E-mail: stompin@mp.pl

Type of classes:classes

Substantive content

CLASSES: History and development of EBM and Cochrane Collaboration. Basic assumptions and principles of evidence based medicine. Definition of endpoints (hard, soft, primary, secondary, clinically important, surrogate, composite). Quality of life and tools to its assessment. Types of studies (original: experimental, observational, surveys; secondary: review papers, systematic analysis, meta- analysis, guidelines and recommendations). Randomisation. Design and performance of double blind randomized control trial, basic statistical analysis and outcome analysis. Principles of making a poster. Sources of reliable answers.

LECTURES: -

Learning purpose: learning of critical analysis of medical literature and independent evaluation values of scientific, medical publications.

On completion of the study programme the graduate will gain:

Knowledge: Knows basic methods of statistical analysis used in population and diagnostic studies.

Skills: Is able to explain differences between prospective and retrospective studies, randomized and case- control trials, case reports and experimental studies, and ranks them according their o reliability and level of evidence.

Social Competencies: Is aware of own limitations and recognizes the need for continuous education to be up to date with medical knowledge.

Basic literature: Sharon E. Straus MD, Evidence-Based Medicine: How to Practice and Teach, 4th Edition. Churchill-Livingston Elsevier, 2011

Supplementary literature: Peacock JP, Peacock PJ, Oxford Handbook of Medical Statistics, Oxford Medical Handbooks, 2017

The allocated number of ECTS points consists of: 1

Contact hours with an academic teacher: 1

Student's independent work: 2