

Thematic plan of classes

THEMATIC PLAN OF CLASSES IN THE DISCIPLINE "METHODOLOGY OF EVIDENCE-BASED MEDICINE"

Class number

The topic of practical classes

Duration (hours)

1

Evidence-based medicine as a science. Basic concepts.

Evidence-based medicine: basic concepts, main principles, tasks. The concept of "evidence in evidence-based medicine"

2

Methodology of evidence-based medicine. Thematic plan

Written by Infection

Friday, 23 September 2022 21:16 - Last Updated Friday, 23 September 2022 21:17

2

Evidence-based approach in medicine.

Development of evidence-based medicine in the world. Prerequisites for the emergence of evidence-based

2

3

Clinical epidemiology in the structure of medical sciences.

Clinical epidemiology as a methodological basis of evidence-based medicine, definition of the concept. T

2

4

Design of epidemiological studies.

Continuous epidemiological studies. Sample studies. Representativeness of the sample. The method of

2

5

Design of clinical trials.

Randomized, controlled (clinical trials), cohort, single-case studies, case-control studies, case reports, ra

2

6

Evidence value of different types of studies.

Methodology of evidence-based medicine. Thematic plan

Written by Infection

Friday, 23 September 2022 21:16 - Last Updated Friday, 23 September 2022 21:17

Determination of the level of significance of evidence. The concept of statistical reliability and clinical sig

2

7

Medical and ethical problems of the clinical trial process.

Rules of research ethics. Ethical standards, ethical considerations in the research process. International

2

8

Information support of evidence-based medicine.

Sources of medical information. Advantages and disadvantages of different sources of information. Struc

2

9

Computer resources of evidence-based medicine.

Characteristics of medical electronic database - CochraneLibrary. Characteristics of medical electronic d

2

10

Structured clinical question: main components.

The main components, requirements, advantages of a structured clinical question. Formulation of a clini

2

Methodology of evidence-based medicine. Thematic plan

Written by Infection

Friday, 23 September 2022 21:16 - Last Updated Friday, 23 September 2022 21:17

11

Methodology of critical evaluation and implementation of evidence in medical practice.

Analysis of articles and their critical evaluation. Characteristics of a review article. Opportunities and limitations.

2

12

Evidence-based screening.

The main types of screening programs and screening criteria. Advantages and disadvantages of screening.

2

13

Evidence-based preventive medicine.

Definition of the concept of "health". The concept of "disease burden". Leading factors that affect the health of the population.

2

14

The concept of risk factors.

Risk factors, risk calculation methodology. Absolute, additional risk. Relative risk. Additional population risk.

2

15

Evidence-based medicine and quality of medical care.

Methodology of evidence-based medicine. Thematic plan

Written by Infection

Friday, 23 September 2022 21:16 - Last Updated Friday, 23 September 2022 21:17

The concept of three "E". Qualification level of medical personnel. Standardization of medical practice. E

2

16

Evidence-based medicine and marketing.

Application of the principles of evidence-based medicine in the standardization of medical care and impl

2

17

Principles of medical audit.

Medical audit: definition, purpose, principles. Planning and practice of medical audit. Audit of the effective

2

18

Final module control: assessment of practical training, theoretical training

2