Pavol Jozef Šafárik University in Košice, Faculty of Medicine
Department of Medical Informatics

CURRICULUM OF THE COURSE

Subject:	Evidence Based Medicine		
Prerequisites:	Medical Informatics		
Study programme:	General medicine	*Form of study:*	daily
Category:	elective	*Study period:*	6,8,10
Teaching form:	practicals	*Range:*	1 hour / week
Evaluation:	obtained credits	*Credits:*	2

Week	*Practical lesson*
1.	**Basic terms.** Evidence based medicine, meta-analysis, systematic reviews, randomized controlled studies, randomized blinded studies, cohort studies, case reports.
2.	**Principles of Evidence Based Medicine.** Significance of information for evidence based medicine, utilization of relevant clinical evidences in real medical problems.
3.	**Evidence Based Medicine Model.** Sequence of steps realized in practical realization of evidence based medicine.
4.	**Clinical Questions.** Transformation of clinical problem into the clinically answerable question, modifications for therapy, diagnosis, prognosis, aetiology.
5.	Formulation of right clinical questions, examples, extraction of most relevant keywords for searching of clinical evidences.
6.	**Hierarchy of evidences.** Design of the study, relevance and importance of individual types of studies and their evidences.
7.	Examples and searching for individual types of clinical studies, synapses, syntheses, summaries and systems. *Written test.*
8.	**Information resources.** Traditional and new information resources, availability and limitations, examples of utilization.
9.	**Selection of bibliographic database.** Evaluation of usability of information resources and recommended types of studies for particular types of clinical questions.
10.	Basic principles of clinical evidences searching. Searching strategies, strategies to evaluate evidence suitability.
11.	**Critical analysis of evidences.** Evaluation of evidence validity. Tools for critical analysis of selected results.
12.	Searching for evidences to solve concrete clinical problem in recently available electronic information resources.
13.	Processing of information needed to solve clinical question. *Presentation of solved clinical problem.*
14.	Evaluation of systematic reviews significance for evidence based medicine. *Knowledge evaluation.*

Requirements to complete the course:

1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.

Recommended literature:

1. Heneghan C., Badenoch D.: Evidence-based Medicine Toolkit, BMJ Books, Blackwel Publishing, 2006, ISBN 978-0-7279-1841-3.
2. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5.
3. Notes from exercises.

Last modified: 23. January 2015