



Postgraduate training in evidence based medicine-EU EBM Unity

Evaluation of the e-learning content





EU EBM Unity partnership

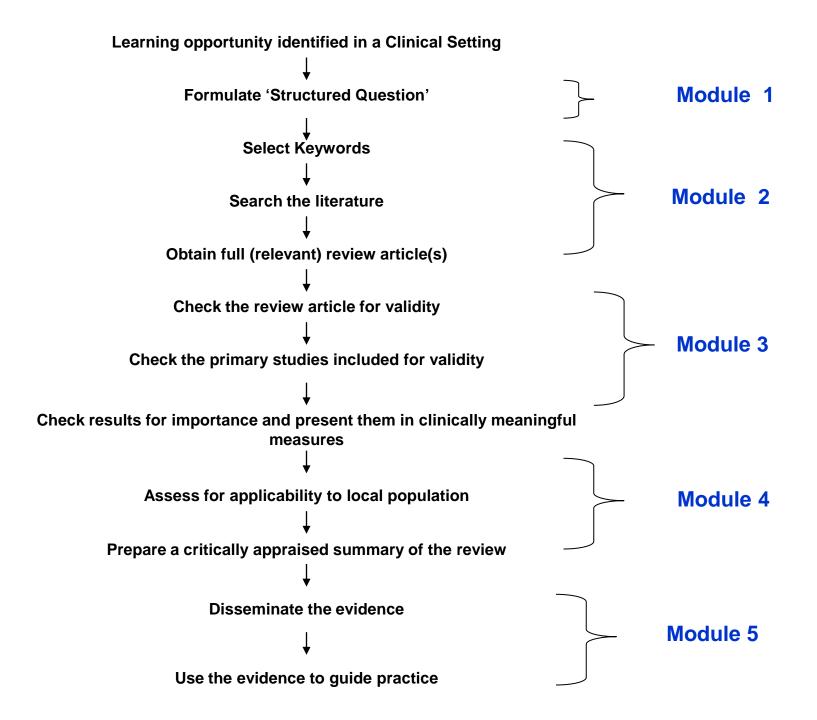
- Development of core curriculum
- Piloting and evaluation





Partners:

- Birmingham Women's Hospital /The University Of Birmingham
- Aquamed Germany/Austria
- Universita Cattolica del Sacro Cuore Italy
- AMC Amsterdam The Netherlands
- CASPi University of Birmingham
- CASP Poland
- CASP Spain
- CASP Hungary
- Basel Institute of Clinical Epidemiology Switzerland
- Steering Committee

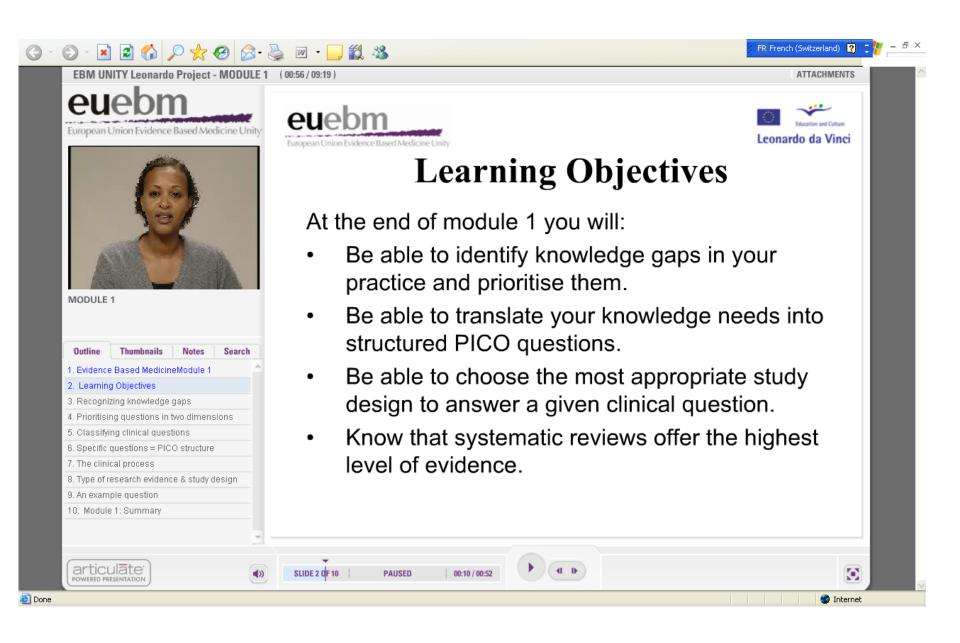






Modules

- clinical setting
- e-sessions
- assessment
- activities and assignments with feedback
- handbook



Assessment: MCQs

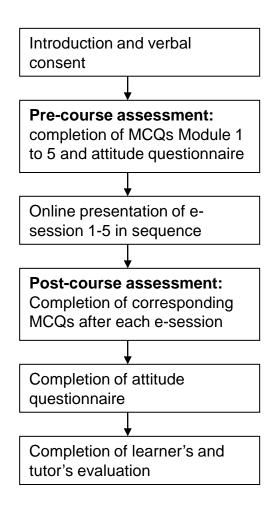
- previously validated, adapted to learning objectives
- 'true' false'
- 'best fitting answer'

Attitudinal questionnaire

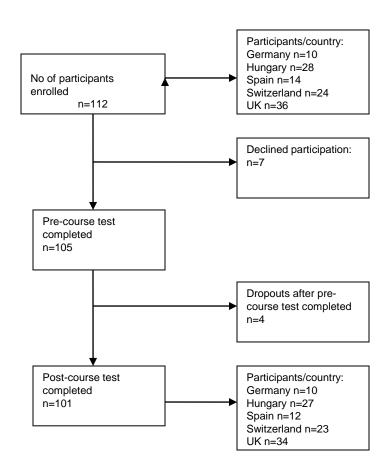
Methods

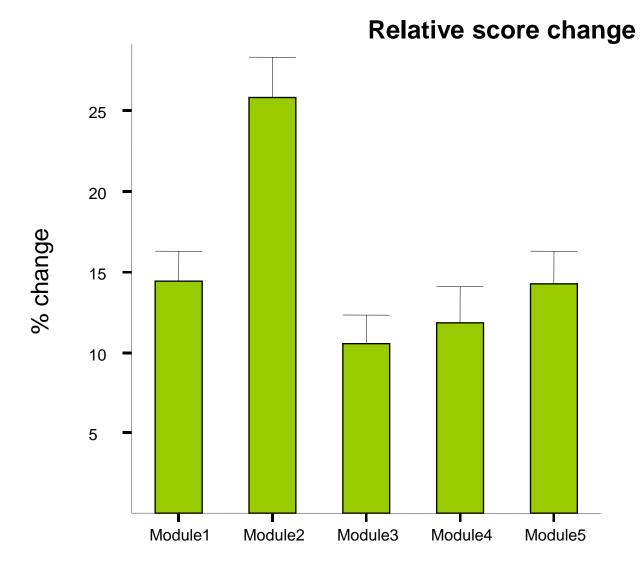
- March July 2007
- Before and after design
- Effect of e-learning on
 - knowledge gain
 - attitudinal changes
 - qualitative feedback
- 5 partner countries: Germany, Hungary, Spain, Switzerland, UK
- Translation

Administration of the course



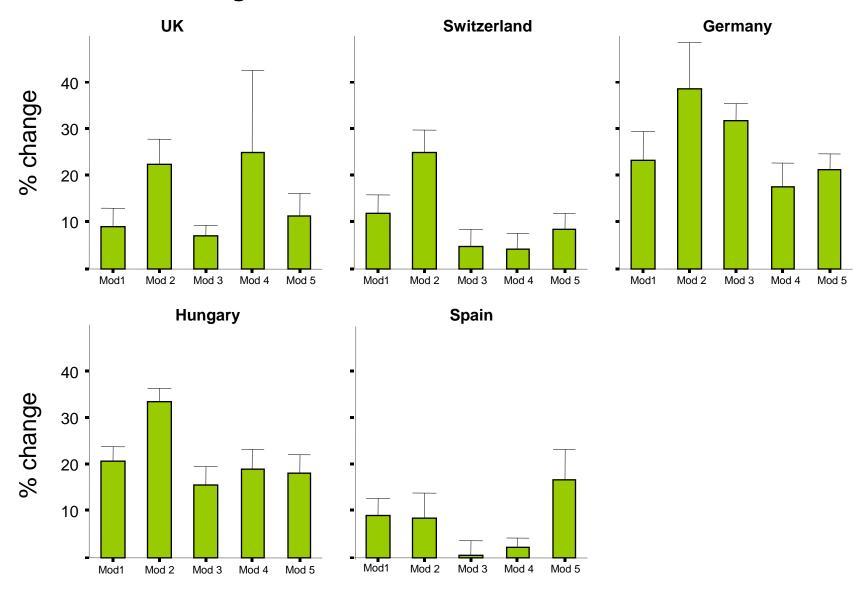
Flow of participants





Relative change between pre course and post course scores for MCQ of the five modules for all participants

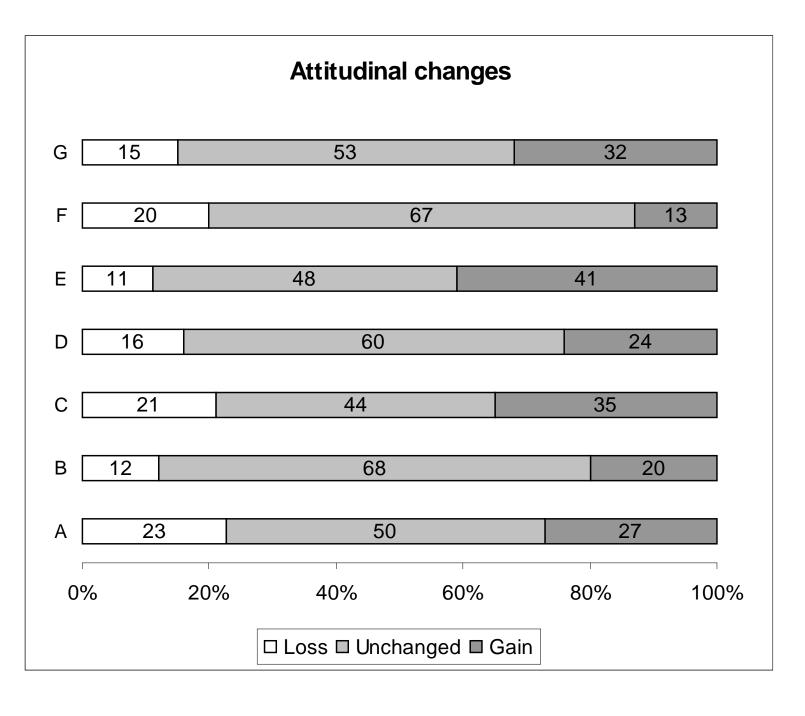
Relative score change



Relative change between pre course and post course scores for MCQ of the five modules according to centre.

Attitudinal questionnaire

- (A) Original research is confusing
- (B) Study design is important in article selection
- (C) Evidence-based decision making is 'health care by numbers'
- (D) Contracts for health care professionals should include time taken away from patient care for reading and appraising the literature
- (E) I am confident that I can assess research evidence
- (F) Systematic reviews play a key role in informing evidence-based decision making
- (G) The health care system in my country should have its own programme of research about clinical effectiveness



Qualitative feedback

- Slides, audio and visual components clear understandable
- Adequate difficult level
- Some sessions are too long
- Sometimes interruptions (internet connection)
- Useful to have further courses

Strengths and weaknesses

- Different
 - countries
 - languages
 - medical disciplines

- Absence of a control group
- Sample size

Conclusions

- Quality of materials found to be good and at adequate difficulty level
- Multilingual e-EBM materials that can be helpful in providing unified EU certification in EBM

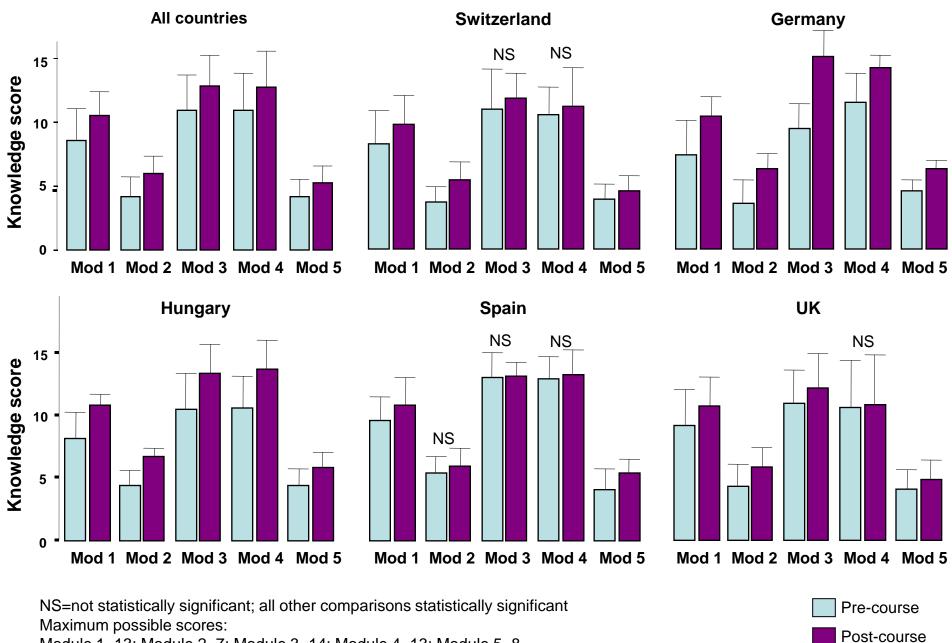




Curriculum

Aim

- Educationally sound methods
 - Mapping of learning needs
 - Explicit learning objectives
 - Appropriate teaching and learning method
 - Assessment matched with objectives



Maximum possible scores: Module 1=13; Module 2=7; Module 3=14; Module 4=13; Module 5=8 Wilcoxon signed ranks test used for comparison



EBM » ASS_06 » Quizzes » Assessment MODULE 1 » Attempt 2

Time Remaining 0:09:27

JLE 1 - Attempt 2

1	Which are the elements you need to know to form a good clinical question?	
	Answer:	a. Comparison b. Outcome c. Search terms for literature search d. Intervention e. Population/patient
		Submit

2	You have a patient with osteoporosis and you want to prevent hip fractures:		
		۸	т.

Answer: a. This is a prognostic problem
b. This is a harm problem
c. This is a therapeutic problem
d. This is a diagnostic problem

Submit

You are a paediatrician and see a five year old girl with a painful ear. Your diagnosis is that she is suffering from an otitis media and you think about prescribing an antibiotic drug. You conduct a literature search and identify several studies that deal with this issue. Which study, based on its design, would you choose as the most appropriate for solving this problem (assume that all studies were done very well)?