eLearning environment for ensuring the competence in pharmacotherapy

Susanna Saano
Hospital Pharmacist, Ph.D.(Pharm)
Kuopio University Hospital
Safe pharmacotherapy guideline

Finnish Ministry of Social Affairs and Health (2005)

The purpose of guideline is to

• harmonize the principles for the provision of pharmacotherapy
• clarify the division of responsibilities
• define the minimum requirements in all units providing pharmacotherapy.
The family of eLearning courses

1) The Basics of Pharmacotherapy
2) Intravenous Medication
3) Epidural Medication
4) Drug Therapy for Mental Disorders
5) Paediatric Medication
6) Geriatric Medication
7) Medication in Acute Care
8) Cytostatic Medication
The Basics of Pharmacotherapy

I. Basics of drug therapy: e.g. legislation, professional responsibilities and drug calculations

II. Implementation of drug therapy: e.g. the delivery of drugs and monitoring of the effectiveness

III. Treatment of specific situations: e.g. the use of high alert medication and the treatment of anaphylaxis

Exams: 1) Theory of pharmacotherapy
        2) Drug calculations
Processing new courses

Needs and idea

Management team

Authors, writing

Testing the course

Publication
Modular Object-Oriented Dynamic Learning Environment

• Free software e-learning platform
• Can be used in many types of environments
• Moodle 2.6 translated into 80 languages

Philosophy based on social constructionist approach
  • Learners can contribute to the educational experience

Flexible environment
  • Lectures, multimedia, exercises, exams etc.
  • Easy to create a course and easy to use
License to medicate

eLearning and exam

Work orientation

Practical test

Oral examination

Documentation
Outcomes

Harmonized processes

• 15 hospital districts
• 17 municipalities or joint councils
• Tens of private service providers

• Studies on the effectiveness in progress

www.elearnmed.com