FUTURE SPECIALIZATION IN CLINICAL PHARMACY

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OVERVIEW

- AIM
- DEFINITION OF CLINICAL PHARMACY
- DEFINITION OF PHARMACEUTICAL CARE
- TRENDS OF SIGNIFICANCE FOR THE DEVELOPMENT OF CLINICAL PHARMACY
OVERVIEW

● WHAT SHOULD SIGNIFY THE FUTURE CLINICAL PHARMACIST?

● WHAT SHOULD SIGNIFY THE FUTURE SPECIALIZATION IN CLINICAL PHARMACY

● WHAT SHOULD A SPECIALIZATION CONSIST OF?

● HOW COULD IT BE DONE?
AIM

- After this lecture you should have developed an even broader view towards the future specialization in clinical pharmacy
DEFINITION OF CLINICAL PHARMACY IN THIS CONTEXT

“Clinical pharmacy is a health specialty that describes the activities and services of the clinical pharmacist in developing and promoting the rational and appropriate use of medicinal products and devices.” (ESCP)
"Pharmaceutical care is the responsible provision of drug therapy for the purpose of achieving definite outcomes that improve a patient’s quality of life” (Hepler and Strand 1990)
TRENDS OF SIGNIFICANCE FOR THE DEVELOPMENT OF CLINICAL PHARMACY

- The panorama of medicines is increasing both in terms of numbers, potency and complexity
- New medicines will become ever more expensive
- The budgets of the health care sector will get ever more constrained
SOME TRENDS OF SIGNIFICANCE FOR THE DEVELOPMENT OF CLINICAL PHARMACY

- The patients demand and are expected to take on an active role in their own care.

- Due to an aging population there will be more patients overall, and many of them will be on medication for one or more chronic conditions.
SOME TRENDS OF SIGNIFICANCE FOR THE DEVELOPMENT OF CLINICAL PHARMACY

- Transfer of treatment from secondary to primary care
- Strong and increased attention to patient safety
SOME TRENDS OF SIGNIFICANCE FOR THE DEVELOPMENT OF CLINICAL PHARMACY

- Clinical pharmacy is on the "tipping point" towards general acceptance
WHAT SHOULD SIGNIFY THE FUTURE CLINICAL PHARMACIST?

- THE NEEDS OF THE PATIENT DIRECT HER/HIS PHILOSOPHY OF PRACTICE

- ACKNOWLEDGED AS A HEALTH PROFESSIONAL WITH ALL ROUND MEDICINES RELATED EXPERTISE

- TO BE FOUND IN ALL SECTORS OF THE HEALTH CARE SYSTEM
WHAT SHOULD SIGNIFY THE FUTURE CLINICAL PHARMACIST?

- AN EXCELLENT TEAM PLAYER
- COMFORTABLE AND SECURE IN HIS/HER PROFESSIONAL ROLE
- CARE MANAGER?
WHAT SHOULD SIGNIFY THE FUTURE CLINICAL PHARMACIST?

- ACKNOWLEDGED AS A HEALTH PROFESSIONAL
  - WITH "NEUTRAL" EXPERTISE IN PHARMA COECONOMICS
  - WITH HIGH ETHICAL STANDARDS
WHAT SHOULD SIGNIFY THE SPECIALIZATION?

It should

- (continue to) be patient needs-based, i.e. rooted in how patients perceive and experience their disease(s) and its treatment(s)

- be based on sound principles of patient safety

- take into account the complete patient pathway from community to hospital and back again, and thereby foster seamless care
WHAT SHOULD SIGNIFY THE SPECIALIZATION?

It should

- be multidisciplinary (also including the patients) and thereby foster true multidisciplinary care

- incorporate pharmacoeconomic challenges and dilemmas
WHAT SHOULD SIGNIFY THE SPECIALIZATION?

It should

- incorporate ethical challenges and dilemmas
- be shaped according to what role the clinical pharmacist has or is envisaged to have in the local health care setting
WHAT SHOULD SIGNIFY THE SPECIALIZATION?

It should

● teach the students how to perform research and other kind of projects

● be based on what the students learn on undergraduate level
WHAT SHOULD THE SPECIALIZATION CONSIST OF?

**KNOWLEDGE**

- PATHOPHYSIOLOGY
- THERAPEUTICS
- PHARMACOECONOMICS
- PUBLIC HEALTH
- PHARMACOEPIDEMIOLOGY
- RESEARCH METHODS
- QUALITY ASSURANCE OF MEDICINES HANDLING
- PSYCHOLOGY
- ETHICS
- ETC. ETC.
WHAT SHOULD THE SPECIALIZATION CONSIST OF?

**SKILLS**

- **HOW TO**
  - IDENTIFY, PREVENT AND TREAT MEDICINES RELATED PROBLEMS
  - PERFORM MEDICINES USE REVIEWS
  - INTERPRET AND USE TREATMENT GUIDELINES
  - COMMUNICATE APPROPRIATELY
  - COACH PATIENTS
  - ASSERT HIM-/HERSELF
  - APPROPRIATELY EVALUATE DATA AND STUDIES
  - SET UP TREATMENT ALGORITHMS
  - TO DIAGNOSE DISEASE?
  - PRESCRIBE MEDICINES (?)
  - DO RESEARCH
  - IMPLEMENT AND DEVELOP CLINICAL PHARMACY PRACTICE
WHAT SHOULD THE SPECIALIZATION CONSIST OF?

● **ATTITUDES**

  - Practice and thinking should be based on patient needs
  - The patient should be respected as a fellow human being
  - The competencies of fellow health professionals should be acknowledged
  - Pride and belief in our own profession as clinical pharmacists
HOW COULD IT BE DONE?

- Diploma or Master in Clinical Pharmacy
- Continuing Professional Development (CPD)
  - Courses in real life and cyberspace
  - Congresses, symposia and workshops
  - Self-study
  - Study visits