

# 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

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“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)

# DEFINITION OF PHARMACEUTICAL CARE IN THIS CONTEXT

”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 PHARMACOECONOMICS
  - 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