

HOSPITAL PHARMACY SPECIALISATION in THE NETHERLANDS



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HOSPITAL PHARMACY IN THE NETHERLANDS

- 100 hospitals
- 65 departments of hospital pharmacy
- 450 registered hospital pharmacists
- 105 Hospital Pharmacists in training
- NVZA (Dutch Association of Hospital Pharmacists)



Locaties ziekenhuizen juli 2014
academische en algemene ziekenhuizen inclusief buitenpoliklinieken

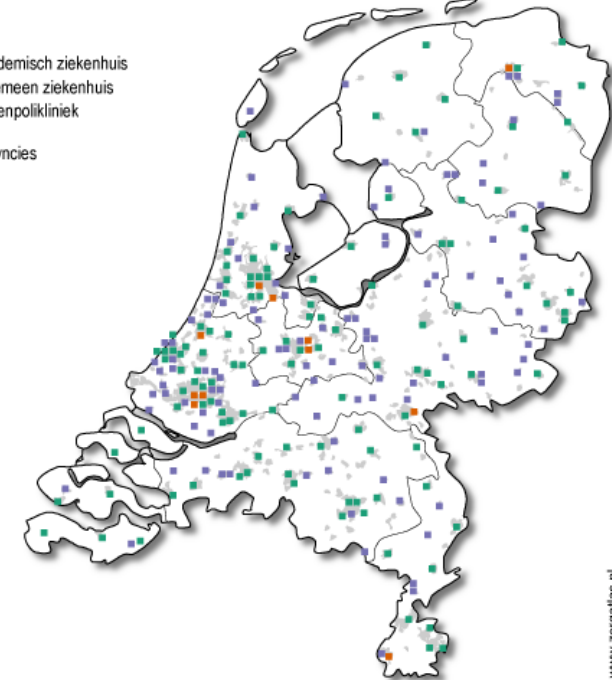
Soort

■ academisch ziekenhuis

■ algemeen ziekenhuis

■ buitenpolikliniek

— provincies



Bron: RIVM

www.zorgatlas.nl

HOSPITAL PHARMACY IN THE NETHERLANDS

- 1929 Establishment Dutch Ass. Hosp. Pharmacists
- 1962 Registration Commission, 2 year training program
- 1979 Foundation of PUOZ (post- graduate education)
- 1986 3 year training program
- 1999 Acknowledged as specialist by the
Minister of Health; Law Professions in individual Health Care;
public recognized



HOSPITAL PHARMACY IN THE NETHERLANDS

- 2003 Training programme of 4 years
- 2003 System for (re-)registration (lifelong learning)



HOSPITAL PHARMACY TRAINING PROGRAMME REGULATIONS

- **Central College Specialism Pharmacy**
 - define specialisms or profiles
 - criteria to define specialisms or profiles
 - register
 - definition professional title
 - requirements Training Programme
 - requirements teacher, supervisors and institute
 - requirements for registration but also re-registration



HOSPITAL PHARMACY TRAINING PROGRAMME REGULATIONS

■ **Specialist Registration Commission**

- open and close register
- (re-)registration
- registration hospital pharmacist in training register
- recognition professional qualifications
- recognition teacher, institute
- monitor accomplishment ruling of CC



TRAINING PROGRAMME ELOZ

- Eindtermen
- Leerdoelen
- Opleidingsprogramma
- Ziekenhuisapotheker

- Final terms
- Learning objectives
- Training programme
- Hospital pharmacist



TRAINING PROGRAMME ELOZ HISTORY

- ELOZI; 2004
- ELOZII; 2009
 - * medication safety
 - * biotechnology
 - * outpatient pharmacy
 - * adjustment central courses on individual patient care, management, laboratory
 - * less radiopharmacy and medical devices
- ELOZIII; 2015



TRAINING PROGRAMME ELOZII DEVELOPMENTS



Health care; (hospital) pharmacy:

- More patient oriented; individual pharmaceutical care
- Integration outdoor pharmacy / specialized care at home
- Concentration of care / specialization hospitals
- (Specialized) pharmacotherapy needed
- Patient and medication safety
- Concentration production/preparation of drugs and laboratory activities



TRAINING PROGRAMME ELOZII DEVELOPMENTS



Medical specialist training programmes:

- Competency oriented education/training
- Testing and assessment

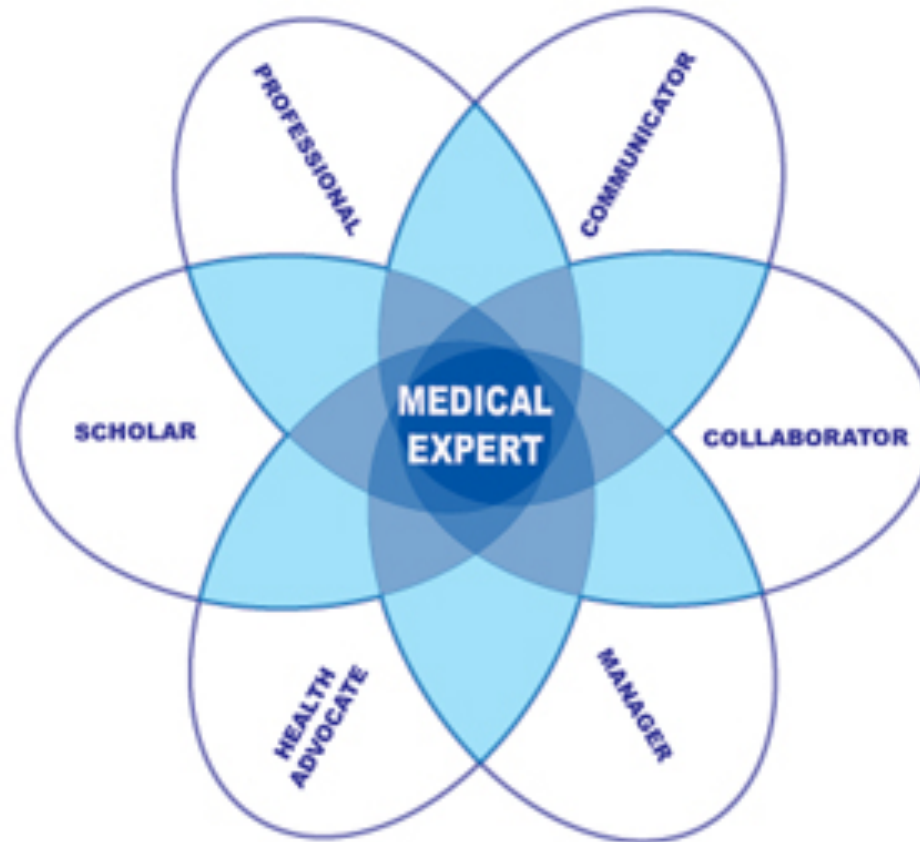


TRAINING PROGRAMME ELOZIII FINAL TERMS ON

- I patient care
 - a. Pharmacotherapy
 - b. Drug preparation and pharmaceutical analysis
 - c. Bioanalysis, TDM, toxicology
- II Medication safety and Quality management
- III Drug management, organization
 - a. organization and management (sub) department
 - b. drug policy
 - c. purchase, distribution, logistics
- IV Education, research and innovation



TRAINING PROGRAMME ELOZII COMPETENCIES



TRAINING PROGRAMME ELOZII EDUCATIONAL PHILOSOPHY

- Educational programme: consistent; increasing broadening and deepening
- Active processing
- Gain, application and Integration of knowledge in a relevant context
- Professional development
- Hospital pharmacist responsible for his own development process
- Individual differentiation and profiling
- Supervision and feedback



TRAINING PROGRAMME ELOZII STRUCTURE

Concentric curriculum

- orientation: 1ste year
- Broadening and deepening (including research): 2nd and 3rd year
- Differentiation:
 - * recognized profiles (clinical pharmacology, epidemiology, toxicology)
 - * back office (production/preparation, laboratory)
 - * clinical profile (eg oncology, paediatrics, geriatrics, ICU)



TRAINING PROGRAMME ELOZIII STRUCTURE

Local training programme

- Largest part
- 2 institutes
- Learning on the job
- Local teaching programmes, courses and teaching moments

Central programme

- Courses and reflection



RE-REGISTRATION

- Requirements:
 - * registered as hospital pharmacist preceding 5 years
 - * > 16hrs/week worked in hospital previous 5 years
 - * professional development; >40hrs/year
- Continuous education
- Lifelong learning



QUALITY ASSURANCE AND REVISION PROCESSES

- Central College and Specialisation Registration Commission (visitation/auditing)
- Concilium: evaluation, development, revision training programme
- Teaching director
- PDCA cycle



SUMMARY

- Hospital pharmacist: public recognized specialist
- Official training programme (4 years) > 10years
- 2 institutes
- Patient oriented including outpatient pharmacy
- Differentiation
- Quality assurance (CC, SRC, concilium, teaching director, PDCA)
- (re-)registration
- Lifelong learning





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