



HOPi2MC - Introduction

Introduction

HOPI2MC - Teaching profile

Learning outcomes

The training is intended to equip students with the essential theoretical and practical knowledge and skills required for employment as a hospital pharmacist, as referred to in the Ministerial Decree of 22 October 2012 (Belgian Monitor of 03/12/2012) setting the criteria to be met in order to qualify for the position of hospital pharmacist. The areas of expertise are wide and varied, and this diversity is reflected in the training programme.

By way of example, the term "medications" is used in the broadest sense. Among other interpretations, the term "medications" refers to: proprietary medicine, compounding, common pharmaceutical products, antiseptics and disinfectants, registered health foods, implantable medical devices, products undergoing clinical trials and samples intended for use on hospitalised patients. The training also allows the acquisition of special and cross-disciplinary skills, which are essential.

On successful completion of this programme, each student is able to :

1 Assimilate knowledge in the areas defined by the Ministerial Decree and apply them to professional practice

1.a

The **theory training** covers five main areas (Ministerial decree of 20/12/2012).

1. Hospital organisation and management:

a) The hospital: Legislation and organisation of hospitals – Legislation of pharmacovigilance and materiovigilance - Management and quality of care

b) The hospital pharmacy: Legislation - General tasks - Specific tasks

2. Fighting and preventing infection:

a) Hospital hygiene; b) Microbiology; c) Sterilisation and disinfection; d) Antibiotherapy and antibioprophylaxy; e) Vaccines

3. Pharmacotherapy:

a) Physiopathology; b) Pharmacotherapy and pharmacokinetics; c) Clinical trials d) Clinical pharmacy

4. Hospital technology

a) Pharmaceutical preparations in hospitals; b) Enteral and parenteral food products c) Medical devices; d) Advanced therapy medications

5. Radiopharmacy

The **practical training** (work placements) covers the following modules (Ministerial decree of 20/12/2012):

Part 1

a) Organisation and management of hospital pharmacy; organisation and management of medication distribution, including command of the processes, management of medication quality and information

b) Clinical trials

Part 2:

a) Fighting infections, including hospital hygiene and central sterilisation

b) Management of antibiotherapy and antibioprophylaxy

c) Organisation and management of the medical device circuit, including the activities falling within the remit of the Medical Equipment Committee

Part 3:

a) Clinical pharmacy and pharmaceutical care

b) Activities falling within the remit of the Medico-Pharmaceutical Committee

Part 4:

Preparation and division activities, best preparation practices and quality assurance:

a) Oncological preparations and high-risk products

b) Other preparations, including pharmaceutical preparations and sterile preparations

c) Radiopharmacy

2 understand and apply the legislation and standards relating to the duties of a hospital pharmacist as defined by the Royal Decree of 4 March 1991 stipulating the standards which a hospital dispensary must satisfy in order to be approved (Belgian Monitor of 23 March 1991)

2.a The duties of a hospital pharmacist fall into three categories: general duties, specific duties and administrative duties.

- The general duties include the dispensing, preparation, supply, preservation, analysis and quality control of medications

- There are four types of specific duty: (1) clinical activities, in direct contact with patients and members of healthcare teams (these activities include, among others, clinical pharmacy activities); (2) collaboration with the Medical Council, the Nursing Council and the

4 ensure that medications are dispensed carefully and thoroughly in the hospital

5 assimilate and apply the principles of sterile or non-sterile preparation in the hospital

6 provide pharmaceutical care

7 be solely responsible for maintaining permanent security

8 develop and execute a research project on the practice of hospital pharmacy using a scientific approach

8.a The research project will culminate in the presentation of a dissertation. This will take place in the 3rd year of training, in a specific

				Year		
				1	2	3
○ WHOPI2100	Organisation et fonctionnement de la pharmacie en milieu hospitalier	Caroline Briquet Olivia Dalleur (coord.) Bénédicte Lambaux Sébastien Pinoy Stefanie Quennery Anne Spinewine Dominique Marie Wouters	EX [q1] [30h] [4 Credits]	x		
○ WFSP2252	Hospital Organisation and Hospital Act	Benoît Hallet	EX [q1] [30h] [3 Credits]		x	
○ WHOPI2104	Management qualité et gestion des risques					

○ WHOP12103	Prosthesis, implants and biomedical equipments	
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The programme's courses and learning outcomes

ci-dessous). La procédure de sélection des candidats pour l'obtention des mandats rémunérés et le calendrier de cette procédure sont cependant communs aux 3 Académies francophones qui organisent le master complémentaire en pharmacie hospitalière.

Etant donné que la loi n'autorise pas les titulaires d'un diplôme de pharmacien obtenu dans un pays hors union européenne à pratiquer sur le territoire belge, les titulaires d'un diplôme de pharmacien obtenu hors de l'union européenne ne sont pas admissibles au master complémentaire mais pourront être orientés vers une inscription à un certificat en pharmacie hospitalière, moyennant accord de la commission d'admission sur le dossier du candidat. L'admission académique nécessite d'effectuer au préalable une demande d'admission administrative au secrétariat des inscriptions exclusivement à l'aide du formulaire d'inscription intitulé "Demande d'admission pour diplômés étrangers".

Pour les candidats étrangers non-francophones (UE et hors UE), une maîtrise suffisante de la langue française est requise. Ils devront apporter la preuve, dans leur demande d'admission, d'une maîtrise suffisante de la langue française (niveau B1 du [Cadre européen](#)

[commun de référence](#) , pages 24 à 29).

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Teaching method

Throughout the year, students take some courses taught by pharmacists and other health professionals (mainly doctors) and undertake placements under the supervision of an approved placement supervisor and in collaboration with hospital pharmacists and other professionals, such as specialist doctors in different fields, nurses etc.

The teaching methods are varied and include lectures as well as problem-based learning. The majority of the teachers are university staff with practical experience. There is special emphasis on creating a link between theory and practice.

The wide variety of placements which students undertake provide many different learning situations. By the end of the academic year, students will have had the opportunity to learn about all the aspects of a career as a hospital pharmacist.

Evaluation

Commission(s) of programme

- Ecole de pharmacie ([FARM](#))

Other academic Supervisor(s)

- [Anne Spinewine](https://uclouvain.be/repertoires/anne.spinewine) (<https://uclouvain.be/repertoires/anne.spinewine>)
- [Olivia Dalleur](#)

