

Formation des pharmaciens en établissement de santé : modèle québécois

Training of hospital pharmacists in Quebec

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Professeure agrégée

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History

- In province of Quebec, hospital-based pharmacists have been trained in a formal university program for more than thirty years.
- In Québec City, hospital-based pharmacy practice was born during the sixties at the Hôpital du St-Sacrement.
- In 1962, The 'Conseil de l'Université Laval' was authorizing the creation of a formal hospital pharmacy cursus leading to a certification.

History

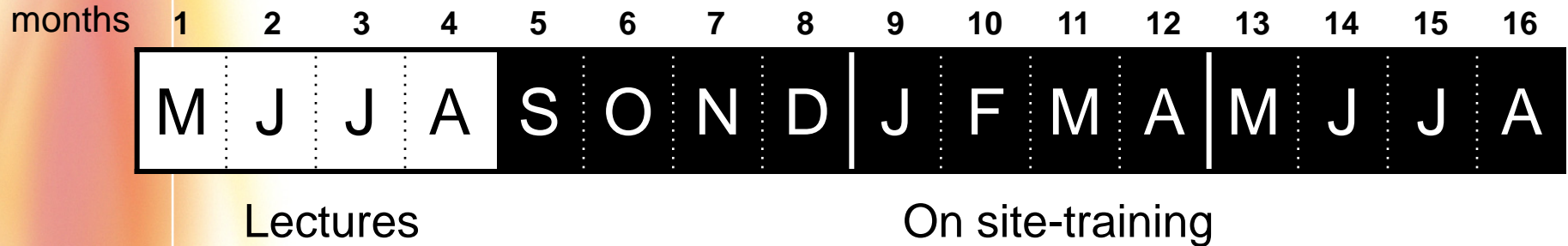
- In 1980, this hospital pharmacy certification was officially recognized as a graduate program (2nd cycle).
- In September 1989, it became hospital pharmacy 2nd cycle Diploma.
- Finally, in April 1992, The Diploma became the hospital pharmacy master program, leading to a Master of Sciences (M.Sc.) degree.

History

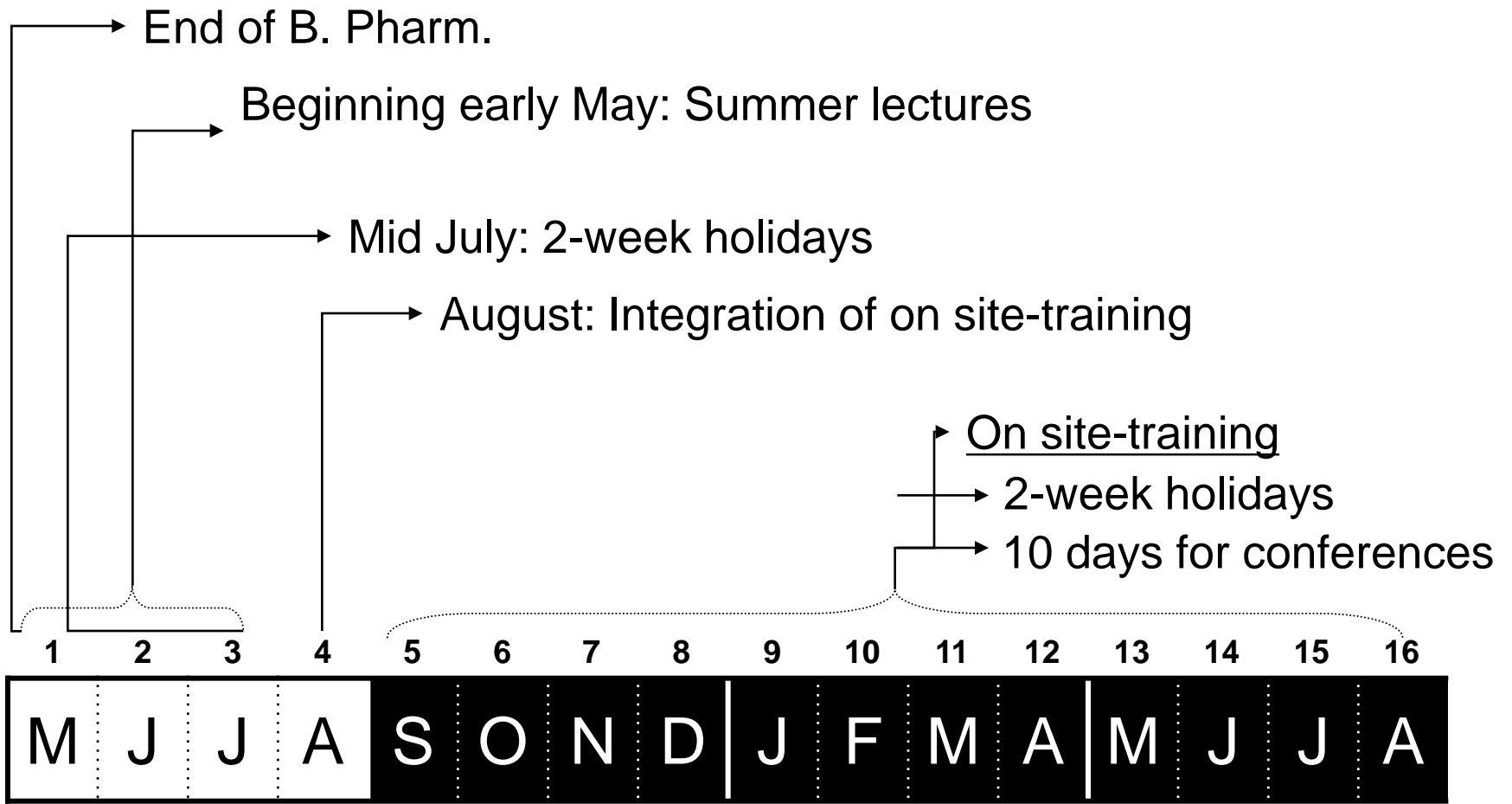
- Since June 1996, the hospital pharmacy M.Sc. program is certified by the Canadian Hospital Pharmacy Residency Board of the Canadian Society of Hospital Pharmacists.
- This presentation will focus on the hospital pharmacy program of the Faculté de pharmacie de l'Université Laval.

Summary

- Duration of 16 months (mid-May to mid-August)
- 48 credits over 4 sessions:
 - 24 credits for lectures and classes
 - 18 credits for on-site training
 - 6 credits for the Master thesis '*l'essai*'



Full time



Courses

Name	Sessions	Credits
Thérapeutiques des urgences	Summer	4
Pharmacocinétique clinique	Summer	2
Nutrition entérale et parentérale	Summer	2
Maladies infectieuses	Smmer	2
Protocole de recherche	Summer/Fall	3
Pharmacothérapie du cancer	Fall	2
Étude de cas en cancérothérapie	Fall/Winter	1
Gestion en pharmacie d'hôpital	Fall/Winter	3
Information sur les médicaments	S/F/W	2
Activité de communications	Fall/Winter	3
Essai	Winter/Summer	6



Clinical



Research



PharmAd



Communication

Courses

« Activités de communication »:

7 activities during the residency:

- 3 case presentations
- 1 pharmacotherapy presentation
- 1 lecture club
- 1 peer-reviewed written (bulletin, summary, files to be presented at the pharmacology committee, etc...)
- 1 selected activity among the above mentioned

Courses

« Essai »

According to the article 154 of the « Règlement des études de l'Université Laval », the 'essai' is a written dissertation that is usually part of a master program that does not formally require the redaction of a thesis. It allows the student to address issues related to his study project and to present his own state of knowledge in a given area of expertise and to systematically treat of a specific subject related to this area.

Courses

« Essai »

- Clinical projects submitted by hospital pharmacists
- Retrospective or prospective
- Faculty members approve the projects
- Supervised by: hospital pharmacists and professors

- Activities:
 - Writing protocol (Fall)
 - Collecting data (Winter)
 - Analysing data (Winter/Spring)
 - Oral presentation (Spring)
 - Writing thesis dissertation (Summer)

Clinical Training

Affiliated Hospitals

C.H.U.Q.

- Hôtel-Dieu de Québec
- C.H.U.L.
- St-François d'Assise

**Institut universitaire de
cardiologie et de
pneumologie de Québec
(I.U.C.P.Q.)**

C.H.A.

- Enfant-Jésus
- St-Sacrement

**Hôtel-Dieu de Lévis
Rimouski**

Clinical Training

a) Integration of on site-training:

- *Objective:* To become familiar with the milieu
- *Duration:* 10 days
- *Credits:* 2

Clinical Training

b) On-site training:

- **General objective:**
 - To develop clinical abilities necessary to the Hospital pharmacy practice
- **Specific Objectives :**
 - Specific to each different (Training I to VIII)
 - Duration: 1 month
 - Credits: 2

Clinical Training

Training I to VIII:

- 4 mandatory rotations
 - 4 optional rotations
- * 2 rotations must be done in another milieu

Clinical Training

2 rotations must be done in another milieu:

- Affiliated hospitals (8)
- Institut en santé mentale de Québec
- Maison Michel-Sarrazin
- CSSS de la Vieille-Capitale
- CSSS du Grand-littoral
- Hôpital Jeffery Hale

Clinical Training

Outside Québec City training:

- Sept-Îles
- Îles-de-la-Madeleine
- Sherbrooke
- Alma
- Shawinigan
- Val-d'Or
- Cowansville
- Chicoutimi

Clinical Training

4 Mandatory rotations:

- Oncology
- Intensive care
- Two among these:
 - Cardiology
 - Internal Medicine OR Geriatrics
 - Emergency

Clinical Training

Optional Rotation (4 among these):

- Psychiatry
- Pediatrics - Neonatology
- Palliative care in oncology
- Neurology
- Surgery
- Vascular medicine
- Hemodynamics – Coronary units
- CHF or RI Clinics – Dialysis
- Nephrology; Transplantation
- Family medicine units
- etc.

On-site Training

Prescription validation:

During the residency:

- 1 day/week
- Under supervision until pharmacy practice license obtained

M.S.S.S. salary awards

M.S.S.S. salary awards available for 2011-2012:
35

Treatment:

- Stipend: \$40,000
- Tax-free

Engagement:

- Signed Formulary
- To serve a minimum of 2 years within the Quebec Health Network (Réseau de la Santé et des Services Sociaux)

Graduation

After 16 months of lectures and on-site training:

Master of Sciences in Hospital Pharmacy

M.Sc.

Future

- Name of our M.Sc. program will be changing:

Master in Advanced Pharmacotherapy

- Within the next 3 years: it will become a competency-based program

Future

- We will work with the same 5 competencies of our Pharm.D. program:
 - Implementation of medication therapy
 - Dissemination of pharmaceutical knowledge
 - Handling medication
 - Managing pharmacy operation
 - Commitment to professionalism

Future

- Levels in Pharm.D. program:
 - Beginner
 - Novice
 - Intermediate
 - Competent
- Expected levels in M.Sc. program:
 - **Master**
 - **Expert**

Team

Director: Chantale Simard, B.Pharm. M.Sc. (Hosp), Ph.D.

Training Coordinator: Céline Brunelle, B.Pharm., M.Sc. (Hosp)

Training Preceptor: Jean-Pierre Bernier, B.Pharm., M.Sc. (Hosp)

Conseillère à la gestion des études 2e et 3e cycles: Lysanne Tanguay

Agente de gestion des études: Sylvie Lacasse

Agente de secrétariat: Annick Bouchard

Question?

