

ONCOLOGY - PROGRAM OUTLINE

TYPE OF PROGRAM: General Hospital Residency with a focus on Oncology pharmacy practice

NUMBER OF RESIDENTS: One (1) - Two (2)

DATE: updated April 2024

1. **PROGRAM DESCRIPTION:** The residency is a 52-week program of post-graduate training accredited by the Canadian Pharmacy Residency Board (CPRB). It includes rotations in all aspects of hospital pharmacy practice including medication use, drug information, administration, and pharmaceutical care with a content area focus in oncology. As such, the bulk of the rotations take place at Princess Margaret Cancer Centre with the exception of general medicine at Toronto General and one elective choice. UHN is a tertiary teaching care hospital affiliated with the University of Toronto.
2. **STARTING DATE:** September of each year
3. **ROTATIONS/ACTIVITIES/LENGTH:**

ROTATION	ACTIVITIES	LENGTH
Orientation	General orientation to the residency program and the pharmacy department. Activities may include library orientation, drug information overview, training on the hospital information system, review of residency manual, review of residency requirements & expectations, teaching and learning orientation, introduction to wellness opportunities / supports for learners and self-directed learning on variety of topics	~ 1 week
Medication Use Systems	Residents will be introduced to the operational and clinical roles and responsibilities in a downtown tertiary-care teaching hospital. Operations include CIVA (central intravenous admixture) service, medication distribution via automated dispensing cabinets (Pyxis) and by patient specific cassette exchange, and in-house unit dose packaging. At the unit level, residents will be introduced to the pharmacist's operational and clinical roles and responsibilities on an in-patient unit. Through participation, the resident will become familiar with all aspects of drug distribution for hospitalized cancer patients. Inpatient activities will include obtaining and document BPMH, order verification, allergy clarification etc in the hospital information system (Epic®), the operation of the computerized unit dose system, the generation of patient/medication profiles, provision of patient care, the use of investigational/emergency release/clinical study drugs, the handling of narcotics and controlled drugs, and providing drug information to members of the health care team. Residents will be introduced to members of the health care team, interdisciplinary rounds, patient interviewing and clinical order review. This rotation includes a variety of teaching methods including individual reading, facilitated group discussion, observations and hands on training.	5 weeks

Clinical Rotations	<p>Twenty-six weeks of the residency will be devoted to providing direct patient care via clinical rotations. Patient care activities include: patient interviews, medication histories, identifying, preventing and resolving drug-therapy problems; developing and implementing pharmacy care plans; discharge patient counseling; providing drug information and pharmacokinetic services. Additional activities include: conducting in-services to nurses and medical staff when required; attending and participating in team meetings and rounds; and applying evidence-based medicine. Residents will participate in case discussions, journal club, evidence-based and formal case presentations to the pharmacy staff as well as teaching sessions lead by clinical leaders in the department.</p> <p>The mandatory clinical rotations include general medicine ward for the pharmacotherapy and pharmaceutical care rotation (PPC) which takes place at the Toronto General site and four clinical rotations at Princess Margaret Cancer Centre (for example: malignant hematology, lymphoma/myeloma/ autologous stem cell transplant, allogenic bone marrow transplant, medical & radiation oncology, palliative care, etc.). The remaining weeks will be spent in an elective clinical rotations of the resident's choice which may include one additional oncology elective or a non-oncology elective at another site (Toronto General, Toronto Western, Toronto Rehab or Sinai Health System). Elective rotation offerings may vary yearly.</p>	26 weeks
Leadership and Administration	<p>Through this rotation the resident will develop an understanding of the leadership and management principles that may be applied to the operation of a hospital pharmacy as well as an understanding the role of the pharmacy department within the organization. The rotation will provide opportunities to gain knowledge, foster interest and exposure to management skills that will enhance problem-solving abilities, and contribute to pharmacy leadership potential. This rotation is completed in conjunction with the other pharmacy residents and pharmacy learners.</p>	2 weeks
Drug Information	<p>The drug information rotation at Princess Margaret Cancer Centre will provide the resident with a basic background in the storage, retrieval and dissemination of drug information using a practical "hands-on" manner. Activities include: providing drug information to pharmacists, nurses, physicians, and the public; developing a knowledge of utilizing primary, secondary and tertiary drug information resources; understanding the role of the Drug Information Service (DIS) and the Pharmacy and Therapeutics (P&T) and oncology sub-committees; developing an awareness of the DIS available to the hospital pharmacist in Ontario. Residents may also have the opportunity to prepare an investigational drug monograph, a drug review for P&T, and/or assist in the preparation of a DIS activities report.</p>	4 weeks

Project	The resident has the opportunity to choose a project that is of interest to them and is in an area of need recognized by the Princess Margaret Cancer Centre Pharmacy Department. The project includes a proposal, literature search, data collection, data analysis, project write-up, and presentation of completed project to the Residency Advisory Committee, pharmacy staff and at the annual CSHP Toronto area resident research night. The resident will work with a pharmacist preceptor knowledgeable in the area of the project chosen.	8 weeks
Clinical Practice	The resident will work in the capacity of a staff pharmacist on a clinical area that he/she is familiar with at the end of the residency. The rotation is designed to give the resident exposure to a pharmacist's daily workload and serve as a transition period from residency to staff pharmacist.	4 weeks
Teaching/Preceptorship	Throughout the residency year, the resident will have the opportunity to provide guidance and preceptorship to a variety of pharmacy students at varying levels of training. In addition, residents will experience coaching, facilitation and leading small group teaching sessions.	Longitudinal

ADDITIONAL ACTIVITIES

Conferences	Residents will attend: 1) CSHP National Conference (PPC) 2) Resident Clinical Conference (RCC) organized by PRFO	
Off Rotation / Wellness Days	These will be scheduled before the start of the residency year. Some days are automatically incorporated into the Winter Break. Flexibility is available to schedule the remaining days as Wellness Days, either Full or Half Days (there is a maximum of one (1) Wellness day (full day or half day per rotation).	10 business days total

4. EXTRA- ROTATION ACTIVITIES:

- Pharmacy department rounds including Clinical Foundations, Clinical Sharing Sessions & Clinical Coffee
- Pharmacy In-services
- Medical Grand Rounds
- Oncology rounds and teaching sessions
- Various projects and teaching activities

5. PREREQUISITES:

Graduate of a Faculty of Pharmacy in which the curriculum meets the standards established by the Association of Faculties of Pharmacy of Canada; eligible for licensure to practice pharmacy in a Canadian province.

6. APPLICATION PROCEDURES:

As per CSHP and CPRB each year. The deadline is typically late fall. Please consult www.cshp.ca for details.

7. ADDITIONAL COMMENTS:

The residents are assessed during and after each rotation and at the midpoint of their residency year according to a structured evaluation process. Some rotations may be adjusted according to the resident's previous experience.

8. **SALARY/BENEFITS:** \$45 000 annually + 4% in lieu of benefits. In addition, ten (10) Off Rotation / Wellness Days (as described above)

9. PROGRAM DIRECTORS:

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10. PROGRAM COORDINATORS:

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