

Programme Name

National Pharmacy Residency Year 2 (R2) Programme in Paediatric Pharmacy

Purpose of the Paediatric Pharmacy Residency

The pharmacy residency in paediatrics is designed to train pharmacists in specialised practice focused on the care of paediatric patients. Residency graduates will be equipped with skills to be integral members of interdisciplinary teams caring for paediatric patients, assuming responsibility for their pharmaceutical care. He/ She will acquire the capacity to deliver evidence-based care to paediatric patients

- whose patients' needs change according to their stage of growth and development and
- within the limitations presented by the shortage of research in the use of medications in this population.

Paediatric pharmacy residency graduates will serve as a resource for drug information and education for healthcare professionals and the public for the care of paediatric patients. He/ She will be able to lead in decision-making related to the setting of guidelines for the care of paediatric patients, and to improve on the medication-use system in paediatric practice areas. Graduates will also be able to conduct future research studies to advance the knowledge base in the area of paediatrics.

PSAB TRAINING STANDARD FOR NATIONAL PHARMACY RESIDENCY PROGRAMME YEAR 2 (R2) IN PAEDIATRIC PHARMACY

This Training Standard consists of training requirements in 5 competency areas, namely

- Patient Care (PC),
- Advancing Practice and Improving Patient Care (AP),
- Leadership and Management (LM),
- Teaching, Education, Dissemination of Knowledge (TE) and
- Management of Paediatric Medical Emergencies (ME).

By the end of the residency, the resident is expected to exhibit the following abilities:

Standard PC1: In collaboration with the health care team, provide comprehensive medication management to paediatric patients following a consistent patient care process.

Standard PC2: Ensure continuity of care during paediatric patient transitions between care settings.

Standard PC3: Manage and facilitate delivery of medications to support safe and effective drug therapy for paediatric patients.

Standard AP1: Demonstrate ability to manage formulary and medication-use processes for paediatric patients.

Standard AP2: Demonstrate ability to conduct a quality improvement or research project.

Standard LM1: Demonstrate leadership skills for successful self-development in the provision of care for paediatric patients.

Standard LM2: Demonstrate management skills in the provision of care for paediatric patients.

Standard TE1: Provide effective medication and practice-related education to paediatric patients, caregivers, health care professionals, students, and the public (individuals and groups).

Standard TE2: Effectively employ appropriate preceptor roles when engaged in teaching students, pharmacy technicians, or fellow health care professionals about the care of paediatric patients.

Standard ME1: Demonstrate understanding of the management of paediatric medical emergencies.

Programme Structure and Activities

The National Pharmacy Residency Year 2 (R2) Programme in Paediatric Pharmacy is a 1-year full time programme based primarily in the Pharmacy Department, KK Women's and Children's Hospital, with 6 weeks of rotation to National University Hospital. Applicants should have completed 8 weeks of General Paediatrics rotation offered in R1. Learning experiences may be customised for the individual resident based on specific learning needs and objectives.

Below are the learning experiences that a resident will go through in this paediatric residency programme.

CORE AND ELECTIVE ROTATIONS

Rotations (not arranged in rotational sequence)	Duration (Weeks)
Children Intensive Care Unit	6
Neonatal Intensive Care Unit	6
Infectious Disease	6
Nephrology (NUH)	6
Drug Information Service	4
Gastroenterology and Nutrition	4
Haematology and Oncology	4
Medication safety	2
Leadership and management	Longitudinal
Research project	Longitudinal
Research project (data analysis and manuscript writing)	2
Subtotal duration	40

Electives (Repeat from above core rotations or select from elective rotations below)	
Anaesthesia / Pain Service	4
Neurology	4
Respiratory	4
Subtotal duration	12
Total duration	52

Evaluations

Structured, timely assessment and constructive feedback will be given to residents via

- Formative assessment at midway of each rotation
- Assessment on clinical activities, presentations, teaching sessions
- Quarterly assessment for longitudinal rotation
- Summative assessment of each rotation

Exit Requirements

- Successful completion of all required core and elective rotations plus full participation in pharmacy practice responsibilities.
- Completion of all evaluations with the relevant preceptors/ Residency Program Director.
- Having sufficient progress towards all the required goals and objectives and having at least "satisfactory progress" for all goals by the end of the residency.
- Completion of a residency project with a manuscript approved by the project preceptor and Residency Program Director.
- Compliance with all institutional and departmental policies.
- Successfully pass the portfolio-based exit assessment by Pharmacy Residency Exam Committee

Training Sites

KK Women's and Children's Hospital, National University Hospital