

Programme Name

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

Introduction / Purpose

This is a formalized, structured training programme allowing experiential learning in a patient-centred setting, with a specialized focus in cardiology pharmacy practice, to prepare the resident with the skills and knowledge to progress in becoming leaders in the field.

Programme Overview

National Pharmacy Residency Year 2 (R2) Programme in Cardiology Pharmacy is a 12-month programme. It adheres to the *PSAB Training Standard and required Competency Areas*.

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, and Dissemination of Knowledge (TE) and Management of Cardiovascular (ACLS) Medical Emergencies (ME).

The 9 educational standards that the resident will achieve at the end of the residency are as follows:

Competency Area: Patient Care (PC)

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

Standard PC2: Ensure continuity of care for patients with cardiovascular diseases during transitions between care settings.

Competency Area: Advancing Practice and Improving Patient Care (AP)

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

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

Competency Area: Leadership and Management (LM)

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

Standard LM2: Demonstrate management skills in the provision of care for patients with cardiovascular diseases.

Competency Area: Teaching, Education, and Dissemination of Knowledge (TE)

Standard TE1: Provide effective medication and practice-related education to patients with cardiovascular diseases, 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) in cardiology.

Competency Area R5: Management of Cardiovascular (ACLS) Medical Emergencies (ME)

Standard ME1: Demonstrate understanding of the management of cardiovascular (ACLS) medical emergencies.

Programme Structure and Activities

Required Core		
No.	Rotation	Duration
1	Orientation	1 month
2	Acute and Chronic care Cardiology	3 months
3	General and Critical care Cardiology	3 months
4	Cardiothoracic Surgery	1 month
5	Left Ventricular Assist Device, Adult Congenital Heart Disease and Advanced Pulmonary Hypertension	1 month
6	Acute to Chronic care Cardiology	3 months
7	Leadership and Advancing Practice	Longitudinal
8	Research or Quality Improvement Project	Longitudinal
9	Other Activities (Teaching, In-service education, Administrative duties, Weekend / Public holiday specialty service provision)	

Delivery Methods

- Clinical review / rounds / ambulatory clinics
- Discussion
- Oral presentation
- Teaching and Education
- Personal and Professional Development
- Research

Evaluation

- Formative assessment of each learning experience
- Summative assessment of each learning experience
- Portfolio exit exam

Exit Requirements

Residents are required to complete the 12-month programme according to the PSAB-accredited curriculum.

- a. Meet all R2 Residency requirements including sufficient progress towards all the required goals and objectives as evidenced by either satisfactory progress or achieved being marked for all goals.
- b. Satisfactory completion of all learning experiences as evidenced by all required work assigned being completed to the satisfaction of preceptors.
- c. Completion of residency major project with a manuscript that is approved by the project supervisor and APD/RPD.
- d. Compliance with institutional and departmental policies.

Training Sites:

Tan Tock Seng Hospital
National University Hospital
National Heart Centre Singapore