



NUHS CARDIOLOGY SENIOR RESIDENCY PROGRAMME

The NUHS Cardiology Senior Residency programme aims to develop our senior residents into committed cardiologists dedicated to compassionate and high quality patient-centred care. They will be trained in independent and collaborative care of patients with a broad variety of cardiovascular diseases. This will include the prevention, diagnosis and treatment of coronary artery disease, myocardial disease, heart failure, hypertension, congenital heart disease, valvular disease, vascular disease, and arrhythmias.

Our senior residents will be under the guidance of experienced and committed clinicians who also have an interest in academia. Our clinicians also serve as mentors and provide the necessary foundation in achieving proficiency in all aspects of their training.

We are confident that our programme will help prepare our senior residents for a promising vocation in cardiovascular medicine.

Outstanding Features of the Programme

Exposure to broad case mix and diverse patient population
National University Heart Centre (NUHCS) is one of the two tertiary centres in Singapore equipped to handle more complex cases. Working in close collaboration with Ng Teng Fong General Hospital (NTFGH), we have a diverse patient population pool with varied complexities that our senior residents will attend to.

Our five core programmes in acute coronary syndromes, adult congenital heart disease, heart failure, electrophysiology, and women's heart health will also facilitate patient exposure and learning.



Outstanding and Committed Faculty

The majority of our clinicians take on multiple roles – serving as doctors, researchers and educators in the Yong Loo Lin School of Medicine at the National University of Singapore (NUS). These roles enable us to better mentor our senior residents on new treatment modalities and guide them in research projects that impact patient care.

Comprehensive and Well-rounded Training

The programme is predominantly clinical-based and supplemented with didactic lectures, case discussions, as well as other scholarly activities. The clinical experience will include training in cardiac catheterisation, echocardiography, nuclear cardiology, MRI, electrophysiology, clinical practice, and other non-invasive cardiac investigations.

Our senior residents are also given the opportunity to partake in research with our senior clinicians. This may involve chart reviews, data collection, data interpretation, statistical analysis, bench-type research, and write-ups. With more exposure, the experienced senior residents may be supervised in more advanced activities such as conceptualising a research hypothesis, study design and implementation.



Programme Structure

The Cardiology Senior Residency Programme aims to prepare cardiology senior residents to take on independent care of patients with cardiovascular diseases, in particular, the prevention, diagnosis, and treatment of coronary artery disease, myocardial disease, heart failure, valvular heart disease, vascular disease, and arrhythmias. The programme is clinical-based and supplemented with didactic lectures, case discussions, as well as scholarly activities.

The clinical experience will include training in the following areas: cardiac catheterisation, echocardiography, nuclear cardiology, electrophysiology, clinical practice (ward, clinic, consults), as well as other non-invasive cardiac investigations (ECG interpretation, ambulatory ECG and blood pressure monitoring, exercise stress testing, cardiac MRI, PET-imaging, and peripheral vascular imaging).

Senior Resident Year	Rotations											
	1	2	3	4	5	6	7	8	9	10	11	12
1 st Year	NUH		NUH		NUH			NUH		NUHS		
	Wards		Nuclear/ PET		CCU			CHD		GM/GRM		
2 nd Year	NUH		NTFGH		NUH			NUH		NUH	NUHS	
	Catheterisation			Wards			EP		MRI/ CT	GM/GRM		
3 rd Year	NTFGH		NUH			NUH			NUHS			
	Inpatient & ambulatory		Echo			Wards			GM/GRM			
4 th Year	NUH		NUH									
	Val/HF		Elective									

Key:

NUHS = National University Health System
 NTFGH = Ng Teng Fong General Hospital
 NUH = National University Hospital
 Val/HF = Valvular disease / Heart Failure
 MRI/CT = MRI / Computed Tomography

GM/GRM = General Medicine / Geriatrics
 EP = Electrophysiology
 Echo = Echocardiography
 CHD = Congenital/ Vascular medicine/ Rehab

