



NUHS CARDIOLOGY SENIOR RESIDENCY PROGRAMME

The NUHS Cardiology Senior Residency programme is designed to cultivate dedicated cardiologists committed to delivering compassionate and high-quality patient-centred care. Our aim is to equip senior residents with the skills for independent and collaborative management of patients with a diverse range of cardiovascular conditions. This includes comprehensive training in the prevention, diagnosis, and treatment of coronary artery disease, myocardial disease, heart failure, hypertension, congenital heart disease, valvular disease, vascular disease, and arrhythmias.

Under the guidance of experienced clinicians with a strong commitment to both patient care and academia, our senior residents will benefit from mentorship that lays the foundation for proficiency in all facets of their training.

We are confident that our programme will effectively prepare senior residents for a successful career in cardiovascular medicine.

Highlighted Features of the Programme:

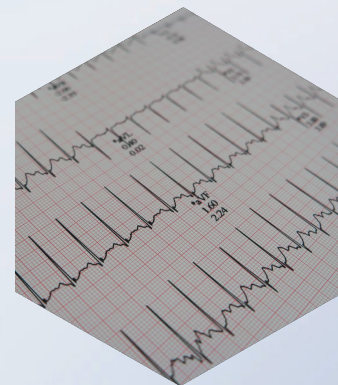
With exposure to broad case mix and diverse patient population, National University Heart Centre (NUHCS) is one of the two tertiary centres in Singapore equipped to handle more complex cases. Working in close collaboration with Ng Teng Fong General Hospital (NTFGH), we have a diverse patient population 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.



Distinguished and Devoted Faculty

The vast majority of our clinicians play multifaceted roles, seamlessly serving as healthcare practitioners, researchers, and educators at the Yong Loo Lin School of Medicine, National University of Singapore (NUS). This dual commitment uniquely positions them to mentor our senior residents in emerging treatment methodologies and guide them through impactful research projects that directly influence patient care.



Comprehensive and Holistic Training

Our programme is primarily grounded in clinical experiences and enriched with didactic lectures, case discussions, and various scholarly activities. The clinical training encompasses a wide array of disciplines, including cardiac catheterisation, echocardiography, nuclear cardiology, MRI, electrophysiology, clinical practice, and other non-invasive cardiac investigations.

Senior residents are afforded the opportunity to actively engage in research alongside our seasoned clinicians. This involvement may span chart reviews, data collection, interpretation, statistical analysis, bench-type research, and comprehensive write-ups. As senior residents gain more exposure, those with extensive experience may even be supervised in advanced activities such as formulating research hypotheses, designing studies, and overseeing implementation.

Programme Structure

The Cardiology Senior Residency Programme is crafted to equip senior residents with the capability to independently manage patients with cardiovascular diseases, focusing on the prevention, diagnosis, and treatment of coronary artery disease, myocardial disease, heart failure, valvular heart disease, vascular disease, and arrhythmias. This clinical-centric programme is complemented by didactic lectures, case discussions, and scholarly pursuits.

Clinical training spans various domains, including cardiac catheterisation, echocardiography, nuclear cardiology, electrophysiology, clinical practice in wards, clinics, and consultations, as well as other non-invasive cardiac investigations such as 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		Vas/Rehab	GM/GRM	
2 nd Year	1	2	3	4	5	6	7	8	9	10	11	12
	NUH		NTFGH		NUH		NHCS/TTSH	NUH		NUH	NUHS	
Catheterisation				Wards				EP		MRI/ CT	GM/GRM	
3 rd Year	1	2	3	4	5	6	7	8	9	10	11	12
	NTFGH			NUH				NUH			NUHS	
Inpatient & ambulatory				Echo				Wards			GM/GRM	
4 th Year	1	2	3	4	5	6						
	NUH			NUH								
Val/HF			Elective									

Key:

NUHS = National University Health System
 NTFGH = Ng Teng Fong General Hospital
 NUH = National University Hospital
 NHCS = National Heart Centre Singapore
 TTSH = Tan Tock Seng Hospital
 Val/HF = Valvular disease / Heart Failure

MRI/CT = MRI / Computed Tomography
 GM/GRM = General Medicine / Geriatrics
 EP = Electrophysiology
 Echo = Echocardiography
 CHD = Congenital Heart Disease
 Vas/Rehab = Vascular Medicine / Rehab

