



NUHS CARDIOLOGY SENIOR RESIDENCY PROGRAMME

The NUHS Cardiology Senior Residency programme is designed to train and develop dedicated cardiologists who are committed to delivering compassionate, patient-centred and high-quality care. Our goal is to equip senior residents with the expertise needed for both independent and collaborative management of patients with a diverse range of cardiovascular conditions. The programme offers 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 who are deeply committed to both patient care and academia, our senior residents benefit from structured mentorship that builds a strong foundation for proficiency in all facets of their training.

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

Highlighted Features of the Programme:

With exposure to a 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	NUH	NUH	NUHS		NUH	NUH	NUH	NUH
	Ward	Ward	Echo	Echo	CCU	CCU	GenMed		Nuclear/CT/MRI	ACHD/Structural and Valve	EP	HF
2 nd Year	1	2	3	4	5	6	7	8	9	10	11	12
	NHCS/TTSH	NUH	NUH	NUH	NUH	NUH	NUH	NUHS		NTFGH	NTFGH	NTFGH
	CCR	CCU	Echo	Ward	Cath Lab	Ward	EP	GenMed		Ward	Ward	Ward
3 rd Year	1	2	3	4	5	6	7	8	9	10	11	12
	NTFGH	NUH	NUH	NUH	NUH	NUHS		NUH	NUH	NUH	NUH	NUH
	Cath Lab	HF	Nuclear/CT/MRI	ACHD/Structural and Valve	EP	GenMed		CCU	Ward	Ward	Echo	Cath Lab
4 th Year	1	2	3	4	5	6						
	NUH	NUH	NUH	NUH	NUH	NUH						
	Nuclear/CT/MRI	Elective	Vascular Med/Rehab	Elective	Elective	Ward						

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
 GenMed = General Medicine

CT/MRI = Computed Tomography / MRI
 ACHD = Adult Congenital Heart Disease
 HF = Heart Failure
 CCR = Cross-Cluster Rotation
 EP = Electrophysiology

