

NUHS RENAL MEDICINE SENIOR RESIDENCY PROGRAMME

Our programme aims to train future leaders in Renal Medicine to push boundaries in the capacity as clinicians, researchers or medical educators. We welcome you to explore the exciting opportunities that our exceptional 3.5-year training programme has to offer.

The NUHS Renal Medicine Senior Residency Programme is three and a half years in length. It is a combination of two years of ACGME-I accredited and one-and-a-half years of Renal Medicine Residency Advisory Committee accredited clinical training. The programme is strongly supported by dedicated faculty members from National University Hospital and Ng Teng Fong General Hospital where clinical training takes place at. Our programme offers clinical rotations in acute inpatient and consult services, as well as ambulatory evaluation and management of patients with various kidney diseases, renal replacement therapy or kidney transplant. These rotations include general nephrology, glomerulonephritis, haemodialysis, peritoneal dialysis, kidney transplantation, intensive care nephrology, and diagnostic and interventional nephrology.

Outstanding Features

- Dual training sites with the full-breadth and depth of modern clinical renal medicine training (haemodialysis, peritoneal dialysis, kidney transplantation, critical care, preventive nephrology, hypertension, fluids, electrolytes and acid-base management and others).
- Evidence-based curriculum and structured training designed to train and nurture residents in the clinical skills of internal medicine and renal medicine.
- Rotations will provide broad experiences in the diagnosis and management of acute and chronic kidney diseases, including procedures such as kidney biopsy, dialysis access placement and related interventions.
- Individualised mentorship for senior residents to develop fundamental skillsets and interest in all areas of academic medicine including medical education, clinical/translational research, and systems-based practice.

Programme Structure

The Renal Medicine training programme at NUHS provides cutting-edge training in all aspects of nephrology. The dialysis and transplantation units are an integral part of our programme. The transplant programme is run jointly with our National University Centre for Organ Transplantation. Approximately 40 renal transplants are performed yearly. Patients with active medical problems (high-dependency dialysis) may also return to NUH for high-dependency dialysis at NUH Renal Centre. The CAPD programme cares for over 200 stable ambulatory patients receiving peritoneal dialysis. Our interventional nephrology service is comprehensive and the interventionist performs various dialysis access related procedures (i.e. peritoneal dialysis access catheter insertions, tunneled dialysis catheter insertions and arteriovenous fistula endovascular interventions). We have recently launched our diagnostic imaging service from which senior residents can learn to perform kidney and lung ultrasonography.



Dr Chan Gek Cher
Programme Director



Sample block rotation

Year 1												
Block	1	2	3	4	5	6	7	8	9	10	11	12
Institution	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH
Rotation Name	HAEMODIALYSIS (HD)						PERITONEAL DIALYSIS (PD)			GENERAL MEDICINE		
Key Activities	In-service acute and maintenance haemodialysis coverage, outpatient dialysis centre visits and high-dependency dialysis centre rounds, haemodialysis initiation transition clinics, acute kidney injury and critical care nephrology, intermittent haemodialysis, hybrid therapies, continuous renal replacement therapy, structured small group haemodialysis teachings. Newly introduced interventional nephrology and tunneled dialysis catheter access training.						In-service acute and maintenance peritoneal dialysis coverage, outpatient PD centre reviews, PD management clinics, structured small group teachings, exposure to PD catheter insertion.			Hypertension, inpatient GM rotations.		
Year 2												
Block	1	2	3	4	5	6	7	8	9	10	11	12
Institution	NUH	NUH	NTFGH	NTFGH	NTFGH	NTFGH	NUH	NUH	NUH	NUH	NUH	NUH
Rotation Name	GENERAL MEDICINE		GENERAL NEPHROLOGY, CHRONIC KIDNEY DISEASE MANAGEMENT				KIDNEY TRANSPLANTATION (TX)					
Key Activities	Hypertension, inpatient GM rotations.		Chronic kidney disease management and care, acute kidney injury, glomerulonephritis clinics, kidney biopsy training, end-stage renal disease care, dual site training exposure.				Living donor and cadaveric donor kidney transplantation. Care for kidney transplant recipients and donor assessments, immunosuppression training and safety monitoring, induction immunosuppression therapies, care of common infective complications including CMV infection, transplant kidney biopsy training, and structured teaching sessions.					
Year 3												
Block	1	2	3	4	5	6	7	8	9	10	11	12
Institution	NUH	NUH	NTFGH	NTFGH	NUH	NUH	NUH	NUH	NUH	NUH	NUH	NUH
Rotation Name	GERIATRIC MEDICINE AND NEPHROLOGY		GENERAL NEPHROLOGY		PERITONEAL DIALYSIS (PD)		GLOMERULONEPHRITIS (GN), CKD					
Key Activities	Geriatrics inpatient rotation, geriatric CKD slant.		General Nephrology, CKD, acute inpatient care provision		In-service acute and maintenance peritoneal dialysis coverage, outpatient PD centre reviews, PD management clinics, structured small group teachings, exposure to PD catheter insertion.		GN clinics (continuous exposure), native kidney biopsy training, immunosuppression training, general CKD management in diabetic kidney diseases and advanced CKD care.					

Year 3.5						
Block	1	2	3	4	5	6
Institution	NUH	NUH	NUH	NUH	NUH	NUH
Rotation Name	ACUTE, DIAGNOSTIC AND INTERVENTIONAL NEPHROLOGY (IN)					
Key Activities	Diagnostic imaging including ultrasound kidneys (point of care for diagnosis and follow-up) and lung (for lung fluid assessment). Dialysis access related procedure including peritoneal dialysis catheter insertion, tunneled and non-tunneled dialysis catheter insertions and endovascular arteriovenous vascular access interventions. Weekly specialty clinics to assess patients with dialysis access issues and follow-up.					

All rotations may be planned in 2 to 3 monthly rotation-blocks, with continued exposure to variety of renal diseases and medical care over 3.5 years.

