

NUHS ANAESTHESIOLOGY RESIDENCY PROGRAMME

The NUHS Anaesthesiology Residency Programme strives for excellence in residency training and aims to enable each resident to achieve his or her highest potential. The cornerstone of our academic mission is the training of high quality and well-rounded specialists in anaesthesia, critical care and pain medicine.

The mission of our programme is the dedicated education of our residents in all areas of knowledge, clinical, technical skills and professional attitudes related to anaesthesia. Our graduates receive the Master of Medicine (MMed), Anaesthesia Singapore and upon exit, they will be able to practise anaesthesiology independently. In addition to clinical skills, our five-year programme emphasises interpersonal skills, effective communication, professionalism, leadership in health services delivery, prudent financial resource stewardship, quality improvement programmes and the development of teaching skills.



Dr Elizabeth Ng
Programme Director

Outstanding Features

Education Excellence

1. Experienced and dedicated team of faculty staff, many of whom are MMed Anaesthesia examiners and tutors
2. Strong postgraduate curriculum and training, poised to prepare the residents for the MMed anaesthesia exam
3. Excellent simulation training facilities with keen and experienced faculty
4. Training and opportunities to teach undergraduate students from NUS

Research Excellence

1. Strong research heritage in our university department, with opportunities in basic clinical and translational research
2. Mentor supervisor actively promote and facilitate research activities with a focus on research development journey rather than outcome
3. Opportunities for startup programme and collaboration with other NUHS and NUS departments and faculties

Clinical Excellence

1. One integrated training site with all essential anaesthetic subspecialty exposure including obstetric, paediatric, cardiothoracic, neuro-anaesthesia and transplant
2. Rich and diverse caseload
3. Emphasis on evidence-based practice of anaesthesia and constant upgrading of anaesthetic practice through quality improvement programmes

1st – Clinical Anaesthesiology Year (CA-1): Foundation Rotations

Academic Year One: 4-week rotations													
4weeks	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July
Goals	Orientation	Anaesthesia Fundamentals			Anaesthesia for General Surgical Conditions		Transplant I	Peri-operative Core I	Pain Core I	ICU	Ambulatory	Regional	ICU
Actual Rotation (weeks)	Basic Anaesthesia Orientation (4 weeks)	Basic Science And Clinical Anaesthesia Fundamentals (12 weeks)			Anaesthesia for General, Orthopedic, Hand, Gynecological & Trauma Surgery (8 weeks)		Liver & Liver Transplant (4 weeks)	PACU & Preop Clinic (4 weeks)	Acute Pain (4 weeks)	SICU (4 weeks)	Ambulatory, Remote, ENT & Ophthalmic (4 weeks)	Basic Regional Anesthesia (4 weeks)	Neuro-ICU (4-5 weeks)
	NUHS	NUHS / NTFGH			NUHS					NUHS / AH	NUHS / NTFGH	TTSH	

Research and Scholarly Work is continuous over the 5 years of Residency

- (1) Anaesthesia Fundamentals (8 – 12 weeks Competency Based)
 - Basic physiology and pharmacology
 - Preoperative evaluation of surgical patients and assimilation of investigations into formulation of simple anaesthetic plans
 - Basic airway assessment and management skills
 - Basic monitoring modalities and applications
 - Checking of the anaesthetic machine and other equipment
 - Basic general and regional anaesthetic care
 - Recovery and basic post-operative pain management
- (2) Anaesthesia for General Surgical Conditions (8 – 12 weeks Competency Based) (Anaesthesia for General Surgery, Orthopaedics, Urology, Hand Surgery, Gynaecology, Trauma)
- (3) Perioperative Care (4 weeks) (Preoperative Assessment Clinic 2 weeks and PACU 2 weeks)

2nd – Clinical Anaesthesiology Year (CA-2): Subspecialty Rotations

Academic Year Two: 4-week rotations														
4weeks	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	
Goals	Subspecialty Rotations									ICU	Pain Core II	Special Risk	Peri-operative Core II	ICU
Actual Rotation	OBAN Core I (4 weeks)	Neuro Core I (4-5 weeks)	Cardiac Core I (2-4 weeks)	Paeds Core I (4 weeks)	OBAN Core II (4 weeks)	Neuro Core II (4 weeks)	Cardiac Core II (2-4 weeks)	Paeds Core II (4 weeks)	SICU (4 weeks)	Chronic Pain (2-4 weeks)	Geriatrics, Vascular, Endocrine, Thoracics (4 weeks)	Preop Clinic (4 weeks)	SICU (4 weeks)	
	NUHS	TTSH					NUHS							

- Abbreviations
1. OBAN Core I & II (Obstetric Anaesthesia Core rotations I & II)
 2. Neuro Core I & II (Neuro - Anaesthesia Core rotations I & II)
 3. Cardiac Core I & II (Cardiac Anaesthesia Core rotations I & II)
 4. Paeds Core I & II (Pediatric Anaesthesia Core rotations I & II)
 5. Perioperative Core II (Preoperative Assessment Clinic 2 weeks and Advanced PACU 2 weeks)
 6. Pain Core II (Chronic Pain)
 7. Special Risk (Geriatrics, Vascular and Endocrine)

3rd – Clinical Anaesthesiology Year (CA-3): Advanced Subspecialty Rotations

Academic Year Three: 4-week rotations													
4weeks	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	July	
Goals	Advanced Subspecialty Rotations										ICU	Transplant II	
Actual Rotation	OBAN (Adv) (4-8 weeks)	SICU (Adv) (4 weeks)	Paeds (Adv) (4-5 weeks)	RA (Adv) (4-8 weeks)			Special Risk (4 weeks)	Pain (Adv) (2-4 weeks)	Neuro (Adv) (4 weeks)	Airway & ENT (Adv) (4 weeks)	SICU (Adv) (4 weeks)	ICU Elective (2-4 weeks)	Liver & Transplant (4 weeks)
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Abbreviations

- OB (Adv) (Obstetric Anaesthesia Advanced Subspecialty Module)
- Neuro (Adv) (Neuro - Anaesthesia Advanced Subspecialty Module)
- Cardiac (Adv) (Cardiac Anaesthesia Advanced Subspecialty Module with TEE training) (Pediatric Anaesthesia Advanced Subspecialty Module)
- Paeds (Adv) (Advanced Regional Anaesthesia)
- RA (Adv) (Advanced Regional Anaesthesia)
- Airway & Monitoring (Adv) (Advanced Airway, ENT and Monitoring Module, including SSEP / MEP) (Geriatric, Vascular, High Risk Obstetrics)
- Special Risk (Renal / Liver Transplant, Upper GI and Hepatobiliary Anaesthesia)
- Transplant

Participating Sites

- KKH (KK Women's and Children's Hospital, Pediatric Anaesthesia) – Site Director Dr Angela Tan (PLA)
- NTFGH (Ng Teng Fong General Hospital, Regional Anaesthesia) – Site Director Dr Terry Pan (PLA)
- TTSH (Tan Tock Seng Hospital, Neuro - Anaesthesia Core rotations I or II) - Site Director Dr Vera Lim (PLA)
- AH (Alexandra Hospital, Ambulatory) – Site Director Dr Addy Tan

Senior Residency - Clinical Anaesthesiology Year (SR 1)

Academic Year Four: 4-week rotations													
4weeks	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	July	
Goals	Induction Program	Subspecialty Rotations										ICU	
Actual Rotation	Induction to Senior Residency	Advanced RA	Upper GIT Surgeries	Cardiac	OBAN	Paeds	Airway & ENT	Neuro	Pain	Remote and Ambulatory	Vascular	Special Risk	Mixed HD/ ICU (4-5 weeks)
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Senior Residency - Clinical Anaesthesiology Year (SR 2)

Academic Year Five: 4-week rotations													
4weeks	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	July	
Goals	Anaesthesia in Different Systemic Setups				Subspecialty Rotations							Electives	
Actual Rotation	RA Airway Neuro Special Risk Ambulatory and Remote Trauma Emergency Surgeries				Cardiac	OBAN	Paeds	Neuro	Special Risk	Liver & Transplant	Neuro	Airway & ENT	In-house/ External Electives
	NTFGH				NUHS							NUHS / OTHERS	

