

TRAINING PROGRAMME FOR CLINICAL FELLOWSHIP IN GENERAL ANAESTHESIA

Components	Information
1 Division/ Department	Department of Anaesthesia, Ng Teng Fong General Hospital, Singapore
2 Title of Programme	Clinical Fellowship in Anaesthesia
3 Duration	12 months
4 Pre-requisite /eligibility requirement(s)	<ul style="list-style-type: none"> • MBBS (or other basic medical degree) • Minimum of 3 years Anaesthesia experience • Good standing with own country's medical board (No complaints or investigations pending or disciplinary actions taken against him/her) • Satisfied SMC criteria for temporary registration
5 Learning Objectives	<p>The training program will be tailored to the educational needs of each fellow towards achieving their career goals. There will be a focus on development of expertise in the theory and practice of general anaesthesia, regional anaesthesia and acute pain management.</p> <p>The objectives will be to develop an independent and competent anaesthetist with the experience, skills and knowledge to manage patients requiring surgery with the achievement of excellence in the standards of safe perioperative care.</p> <p>By the end of the fellowship, fellows will be expected to:</p> <ul style="list-style-type: none"> • Be able to risk stratify and counsel patients perioperatively in an emergency and non-emergency setting • Conduct safe general anaesthesia and perioperative care for all patients regardless of risk • Conduct safe procedural sedation • Manage major intra-abdominal surgeries in low or high risk patients • Be competent in ultrasound guided regional and neuraxial techniques for surgery • Learn and perform ultrasound guided nerve block catheter insertions for the purpose of acute pain • Be able to manage acute pain based on best clinical evidence • Gain experience in airway management including use of videolaryngoscopes, fiberoptic bronchoscopes, Bonfils rigid fiberoptic intubating endoscope • Gain experience in use of perioperative point of care management – echocardiography, viscoelastic coagulation methods • Gain experience in methods of healthcare quality improvement • Gain experience in basic clinical research methods and literature review

<p>6 Training Method</p>	<p>Methods of training include participation in:</p> <ul style="list-style-type: none"> • Outpatient Preanaesthesia Evaluation Clinics • Operating theatre duties – preparation, maintenance and management of a variety of surgical cases • Non-specialist overnight duties are required - The clinical fellow is expected to do non-specialist overnight duties/calls based on their qualifications and abilities, supervised by a specialist • Post call handover rounds • Anaesthesia department morning teaching program • Clinical teaching in the operating theatre – supervised training through various core anaesthesia subspecialties including learning about the anaesthetic considerations and management of patients with various medical conditions: <ul style="list-style-type: none"> a. General surgical (Upper GI, colorectal, hepatobiliary, endocrine)- The fellow will learn management of laparotomy, laparoscopic surgeries and learn to assess and manage patients with underlying endocrine and liver diseases. b. Ambulatory anaesthesia -the fellow will learn the various aspect of day-care anaesthesia, patient selection, anaesthesia drugs and techniques to provide rapid and smooth post-operative recovery. Post-operative management of common problems, discharge criteria and post-discharge instructions will also be taught c. Regional anaesthesia - Learn to perform common regional anaesthesia and management of complications d. Ear, Nose Throat – the fellow will manage anaesthetic care for patients undergoing a variety of ENT surgical procedures. The fellow will have to work in close proximity with the surgeon and learn to safely share the airway, while having less access to the patient. The fellow will manage difficult and abnormal airways as he or she deals with these patients. The curriculum also includes the application of safety guidelines to laser procedures during laser surgery. e. Dental anaesthesia - Learn airway considerations needed for upper airway surgery, naso-tracheal intubation and management of difficult airway. The fellow is also expected to learn problems and management of maxillofacial trauma f. Urology- Learn the unique anaesthetic requirement for specific urologic procedures: Transurethral prostatectomy, percutaneous nephrolithotripsy g. Vascular – Learn to manage this high-risk group of patients for perioperative ischaemic events. Learn pre-operative assessment of determine severity of underlying cardiac disease and the cardiorespiratory reserve of patient. h. Orthopaedic–Learn how to manage patients for various orthopaedic surgeries: Fracture fixation, arthroplasty, arthroscopy, spine surgery. i. Ophthalmic surgery – Learn how anaesthetic drugs and technique affect intraocular pressure, learn management skills for oculocardiac reflex, penetrating eye injuries and retinal detachment surgery j. Trauma - Fellows will learn to be part of the trauma team and gain basic resuscitation skills and manage life-threatening conditions. Learn how to anaesthetise patients in emergent situations and how to perform rapid sequence induction and intubation. <p>Specific journal articles and learning material related to the above subspecialties will be made available to the fellow for learning and discussion. During the fellowship, fellows will also rotate through (with supervision):</p> <ul style="list-style-type: none"> a. Acute pain and chronic pain service b. Post Anaesthesia Care unit - Learn to care for patient in immediate post-operative period and management of common problems. <p>The fellow will also have the chance to participate in one quality improvement project or one research project</p> <p>Supervision method:</p> <ul style="list-style-type: none"> • Each clinical fellow will have an assigned primary supervisor for the duration of the fellowship, who will be at least consultant level. • The clinical fellow will be supervised at all times by a SMC-approved supervisors from Department of Anaesthesia, Ng Teng Fong General Hospital only. • The programme director/HOD will be responsible for their training supervision and welfare during the programme. • There will be quarterly meetings with the supervisor/programme director.
<p>7 Assessment and Evaluation</p>	<ul style="list-style-type: none"> • Case logbook with learning points • 360 multi-source feedback • Anaesthetic skill and knowledge • Performance during daily duties and overnight duties

8 Number of Clinical Fellow to be accepted at any one time	1 to 2
--	--------