

**SLEEP APNEA SURGERY AND SLEEP MEDICINE
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information
1. Division/ Department	Surgery & Surgical Oncology/ Otorhinolaryngology - Head & Neck Surgery
2. Title of Programme	Clinical Fellowship Training in Sleep Apnea Surgery and Sleep Medicine
3. Relevant Registrations	<ul style="list-style-type: none"> • Temporary Registration with Singapore Medical Council (SMC) • Training employment pass application with Ministry of Manpower, Singapore (MOM) (upon successful Temporary Registration with Singapore Medical Council)
4. Overview	<p>It is designed to equip ENT specialist for a successful career in Sleep Medicine and Surgery. The Sleep Surgery Service in collaboration with the Sleep Disorders Unit in Singapore General Hospital offers a tertiary academic and clinical training covering all aspects of medical and surgical sleep medicine.</p> <p>The fellow will receive comprehensive clinical multidisciplinary exposure to sleep disand orders and will receive intensive training in diagnostic and surgical advanced techniques. The fellow will receive individualized academic supervision and is expected to develop and refine skills in teaching, research, article writing and conference presentation.</p> <p>6 to 12 months</p> <p>https://www.sgh.com.sg/patient-care/specialties-services/Otolaryngology</p>
4.1 Background information	
4.2 Goal/ aim(s)	
4.3 Duration	
4.4 Hyperlinks/URL Sites	
5. Target Audience	ENT Specialists
5.1 Pre-requisite /eligibility requirement(s)	<p>General requirements for Temporary Registration for training (required by SMC):</p> <ul style="list-style-type: none"> • A basic medical degree from an accredited medical university or medical school • Passed the relevant national licensing examination in the country of conferment of conferment of basic degree, where applicable • Evidence of at least 12 months houseman-ship / internship with a certificate of satisfactory completion of houseman-ship or equivalent • Been registered as a medical practitioner in the country where he is currently practising • Been certified to be of good standing by the Medical Council or the relevant national authority <p>Note: The doctor should be in active clinical practice (and been registered as a medical practitioner in the countries of practice) for the 3 years preceding the application for medical registration in Singapore.</p> <p>In addition to the above criteria, Clinical Fellows must:</p> <ol style="list-style-type: none"> Have a minimum of 3 years working experience as a medical officer (or equivalent) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is <u>not</u> in English Preferably have obtained a postgraduate diploma or medical degree in his country or overseas Be sponsored by (i) the government, or (ii) regional health authority or (iii) an appropriate institution in the home country. For (d)(iii), the doctor must be on

**SLEEP APNEA SURGERY AND SLEEP MEDICINE
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information
	<p>current full-time employment (40 hours or more per week) with the sponsoring institution.</p> <p>As a Clinical Fellow, the doctor will be allowed to be involved in patient care and make entries in patients' case note, communicate care plans to patients and fellow healthcare professionals, and perform procedures under <u>direct</u> supervision or Level 1 supervision under SMC's Supervisory Framework.</p> <p>Department's requirement, if any (only for Clinical Fellow in this subspecialty): NIL</p>
<p>6. Learning Objectives</p>	<p>This fellowship would allow the Fellow to acquire the following upon completion of the program:</p> <ol style="list-style-type: none"> 1. Understand normal sleep physiology 2. Understand and be able to evaluate patients presenting to sleep clinic 3. Competent in ordering appropriate investigation for patient with sleep disorders and direct to appropriate specialists 4. Competent in prescribing and managing patients on positive airway pressure for obstructive sleep apnea (OSA) 5. Understand and be able to advise medical treatment for OSA 6. Understand the appropriate indications for sleep apnea surgery 7. Able to perform safely and choose the appropriate surgeries for patient 8. Able to handle perioperative issues/complication in OSA patient
<p>7. Course/Training Syllabus</p>	<ol style="list-style-type: none"> 1. Clinical work: clinics, pre and postoperative care of patients, intraoperative surgical technique and care, sleep endoscopy 2. Education: Involved in journal clubs, Sleep Board discussion 3. Research
<p>8. Training Method</p>	<p>Method of Supervision: Direct observation and feedback. Fellow will be supervised by an assigned supervisor at all times.</p> <p>Observed: Fellows will have opportunities to observe the following procedures as indicated under the Hands-on experience too.</p> <p>Hands-On Experience: Fellows will assist in the following procedures under supervision:</p> <ol style="list-style-type: none"> 1. Scoring of sleep study 2. Nasoendoscopy 3. Sleep endoscopy 4. Radiofrequency turbinate soft palate and tongue base 5. Adentonsillectomy 6. Septorhinoplasty 7. Turbinoplasty/turbinectomy 8. Nasal valve reconstructive surgery 9. Palatal reconstructive surgeries for OSA 10. Hyoid suspension/expansion 11. Transoral robotic tongue base reduction 12. Transoral epiglottidectomy

**SLEEP APNEA SURGERY AND SLEEP MEDICINE
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information																														
	<p>Job rotation is required to SGH, Sleep Disorder Unit Frequency / duration of rotation: 1-2 session a week</p> <p>No job rotation is required to other Institutions.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #D3D3D3;"> <th colspan="3">TRAINING ACTIVITIES & METHODOLOGY</th> </tr> <tr style="background-color: #D3D3D3;"> <th style="width: 40%;">Name of activity</th> <th style="width: 30%;">Frequency / No. of sessions / Length of session</th> <th style="width: 30%;">Teaching methodology</th> </tr> </thead> <tbody> <tr> <td>Snoring at OSA Clinic</td> <td>3-4 session per week/ 4 hours per session</td> <td>Supervised Outpatient clinic</td> </tr> <tr> <td>Surgery at Major OT</td> <td>4 session per week/ 4 hours per session</td> <td>Supervised surgery at Major OT</td> </tr> <tr> <td>Polysomnogram Scoring & Reporting</td> <td>1 session per week/ 4 hours per session</td> <td>Consultant-in-charge and Sleep Technician</td> </tr> <tr> <td>Combined Radiological Conference</td> <td>Once/month (1 hr)</td> <td>Conference/Discussions</td> </tr> <tr> <td>Mortality & Morbidity</td> <td>Once a week (1 hr)</td> <td>Conference/Discussions</td> </tr> <tr> <td>Research Activity</td> <td>2 sessions/week</td> <td>Mentorship</td> </tr> <tr> <td>Journal Club</td> <td>Once/month (1hr)</td> <td>Conference/Discussions</td> </tr> <tr> <td>Grand Ward Round</td> <td>Once/month (1hr)</td> <td>Conference/Discussions</td> </tr> </tbody> </table>	TRAINING ACTIVITIES & METHODOLOGY			Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology	Snoring at OSA Clinic	3-4 session per week/ 4 hours per session	Supervised Outpatient clinic	Surgery at Major OT	4 session per week/ 4 hours per session	Supervised surgery at Major OT	Polysomnogram Scoring & Reporting	1 session per week/ 4 hours per session	Consultant-in-charge and Sleep Technician	Combined Radiological Conference	Once/month (1 hr)	Conference/Discussions	Mortality & Morbidity	Once a week (1 hr)	Conference/Discussions	Research Activity	2 sessions/week	Mentorship	Journal Club	Once/month (1hr)	Conference/Discussions	Grand Ward Round	Once/month (1hr)	Conference/Discussions
TRAINING ACTIVITIES & METHODOLOGY																															
Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology																													
Snoring at OSA Clinic	3-4 session per week/ 4 hours per session	Supervised Outpatient clinic																													
Surgery at Major OT	4 session per week/ 4 hours per session	Supervised surgery at Major OT																													
Polysomnogram Scoring & Reporting	1 session per week/ 4 hours per session	Consultant-in-charge and Sleep Technician																													
Combined Radiological Conference	Once/month (1 hr)	Conference/Discussions																													
Mortality & Morbidity	Once a week (1 hr)	Conference/Discussions																													
Research Activity	2 sessions/week	Mentorship																													
Journal Club	Once/month (1hr)	Conference/Discussions																													
Grand Ward Round	Once/month (1hr)	Conference/Discussions																													
9. Assessment and Evaluation	<p>Fellows will need to demonstrate their proficiency level based on the following competencies:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="padding: 5px;"> <p>1) Patient Care Provide appropriate management for patients.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>2) Medical Knowledge Demonstrates up-to-date knowledge commensurate with postgraduate level of training.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>3) Practice-Based Learning and Improvement Engage in on-going learning.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>4) Interpersonal and Communication Skills Communicates effectively with patients and family, and with other healthcare professionals.</p> </td> </tr> </tbody> </table>	<p>1) Patient Care Provide appropriate management for patients.</p>	<p>2) Medical Knowledge Demonstrates up-to-date knowledge commensurate with postgraduate level of training.</p>	<p>3) Practice-Based Learning and Improvement Engage in on-going learning.</p>	<p>4) Interpersonal and Communication Skills Communicates effectively with patients and family, and with other healthcare professionals.</p>																										
<p>1) Patient Care Provide appropriate management for patients.</p>																															
<p>2) Medical Knowledge Demonstrates up-to-date knowledge commensurate with postgraduate level of training.</p>																															
<p>3) Practice-Based Learning and Improvement Engage in on-going learning.</p>																															
<p>4) Interpersonal and Communication Skills Communicates effectively with patients and family, and with other healthcare professionals.</p>																															

**SLEEP APNEA SURGERY AND SLEEP MEDICINE
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information															
	<p>5) Professionalism Accepts responsibility and follows through on tasks.</p> <hr/> <p>6) Systems-Based Practice Promotes patient safety.</p>															
9.1 Assessment approaches	<p>Formative assessment:</p> <ul style="list-style-type: none"> Regular evaluation between Fellow and Supervisor / Head of Department Reflective journal- logbook recordings of training activities <p>Summative assessment: Periodical assessment reports as required by Singapore Medical Council</p> <p>Feedback:</p> <ul style="list-style-type: none"> End-of-training feedback form as required by Singapore Medical Council End-of-training feedback session with SGH-PGMI 															
9.2 Evaluation Process 9.2.1 General overall grading system	<p>The general overall grading system evaluates the Fellow's performance upon completion of the fellowship programme. All Fellows will be given a general overall grading status at the end of the fellowship programme based on the grading criteria requirements incorporating the six competencies based knowledge, skills and performance that Fellows must demonstrate throughout the programme.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #4F81BD; color: white;">Grading Status</th> <th style="background-color: #4F81BD; color: white;">Description</th> <th style="background-color: #4F81BD; color: white;">Grading Criteria Requirements</th> </tr> </thead> <tbody> <tr> <td style="background-color: #D9E1F2;">CMP</td> <td style="background-color: #D9E1F2;">Completes the programme</td> <td style="background-color: #D9E1F2;">Participation in specialist outpatient clinics and surgeries for patients.</td> </tr> <tr> <td style="background-color: #D9E1F2;">USP</td> <td style="background-color: #D9E1F2;">Unsatisfactory performance</td> <td style="background-color: #D9E1F2;"> <ul style="list-style-type: none"> Attendance of less than 50% of specialist outpatient clinics and elective surgeries. Exceeded number of days of leave taken. </td> </tr> <tr> <td style="background-color: #D9E1F2;">DCP</td> <td style="background-color: #D9E1F2;">Did not complete the programme</td> <td style="background-color: #D9E1F2;">Leave the programme before the end of attachment.</td> </tr> <tr> <td style="background-color: #D9E1F2;">WDN</td> <td style="background-color: #D9E1F2;">Withdrawn from the programme</td> <td style="background-color: #D9E1F2;">Withdrawal from the programme before end of attachment.</td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	CMP	Completes the programme	Participation in specialist outpatient clinics and surgeries for patients.	USP	Unsatisfactory performance	<ul style="list-style-type: none"> Attendance of less than 50% of specialist outpatient clinics and elective surgeries. Exceeded number of days of leave taken. 	DCP	Did not complete the programme	Leave the programme before the end of attachment.	WDN	Withdrawn from the programme	Withdrawal from the programme before end of attachment.
Grading Status	Description	Grading Criteria Requirements														
CMP	Completes the programme	Participation in specialist outpatient clinics and surgeries for patients.														
USP	Unsatisfactory performance	<ul style="list-style-type: none"> Attendance of less than 50% of specialist outpatient clinics and elective surgeries. Exceeded number of days of leave taken. 														
DCP	Did not complete the programme	Leave the programme before the end of attachment.														
WDN	Withdrawn from the programme	Withdrawal from the programme before end of attachment.														
9.3 Criteria for Early Termination	<p>The attachment programme will be terminated early on the ground of the Fellow's poor performance, misdemeanour, misconduct, negligence or breach of any terms stipulated or referred to in the Fellowship Letter of Offer and Institution Terms and Conditions.</p>															

**SLEEP APNEA SURGERY AND SLEEP MEDICINE
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information
	<p>The Fellow may also request to terminate the attachment programme for reasons such as serious illness or other personal obligations.</p> <p>The institution will review all requests for early termination with the Fellow and the Supervisor / Head of Department.</p>
<p>10. Course Administration</p>	<p>Type of Certification: Certificate of Training</p> <p>Training Fee: S\$3,210 per month</p> <p>Programme Funding source: Self-funded</p>
<p>11. Number of Clinical Fellow to be accepted at any one time</p>	<p>1</p>