

UPPER GASTROINTESTINAL AND BARIATRIC SURGERY  
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH

Components	Information
1. Division/ Department	Surgery & Surgical Oncology/ Upper Gastrointestinal and Bariatric Surgery
2. Title of Programme	Clinical Fellowship Training in Upper Gastrointestinal and Bariatric Surgery
3. Relevant Registrations	<ul style="list-style-type: none"> <li>• Temporary Registration with Singapore Medical Council (SMC)</li> <li>• Training employment pass application with Ministry of Manpower, Singapore (MOM) (upon successful Temporary Registration with Singapore Medical Council)</li> </ul>
4. Overview	The clinical fellowship programme is targeted for foreign doctors who seek exposure to a tertiary centre specialising in Upper GI and Bariatric Surgery. The programme provides a structure where the aims including clinical, operative exposure, research targets are outlined and the expectations of the trainee are met.
4.1 Background information	
4.2 Goal/ aim(s)	To achieve competency in the surgical management of patients with Upper Gastrointestinal and Bariatric Surgery disorders.
4.3 Duration	12
4.4 Hyperlinks/URL Sites	<a href="https://www.sgh.com.sg/patient-care/specialties-services/upper-gastrointestinal-bariatric-surgery">https://www.sgh.com.sg/patient-care/specialties-services/upper-gastrointestinal-bariatric-surgery</a>
5. Pre-requisite /eligibility requirement(s)	<p>General requirements for Temporary Registration for training (required by SMC):</p> <ul style="list-style-type: none"> <li>• A basic medical degree from an accredited medical university or medical school</li> <li>• Passed the relevant national licensing examination in the country of conferment of basic degree, where applicable</li> <li>• Evidence of at least 12 months houseman-ship / internship with a certificate of satisfactory completion of houseman-ship or equivalent</li> <li>• Been registered as a medical practitioner in the country where he is currently practising</li> <li>• Been certified to be of good standing by the Medical Council or the relevant national authority</li> </ul> <p>Note: the doctor should be in active clinical practice for the 3 years preceding the application for medical registration.</p> <p>In addition to the above criteria, <b>Clinical Fellow</b> must:</p> <ol style="list-style-type: none"> <li>a) Have a minimum of 3 years of relevant working experience as a medical officer (or equivalent)</li> <li>b) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is not in English</li> <li>c) Preferably have obtained a postgraduate diploma or degree in his country or overseas</li> <li>d) 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</li> </ol>

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	<p><b>Department's requirement, if any (only for Clinical Fellow in this subspecialty):</b></p> <ul style="list-style-type: none"> <li>▪ Laparoscopic experience (Basic and Advanced Laparoscopy)</li> <li>▪ Endoscopic experience</li> </ul>
<p><b>6. Learning Objectives</b></p>	<p>Clinical Fellow is expected to be familiar with the management of Upper GI and Bariatric surgical patients. Perioperative and Operative skills are emphasized. There is opportunity to perform research and present at local and international meetings.</p>
<p><b>7. Course/Training Syllabus</b></p>	<ul style="list-style-type: none"> <li>• Oesophageal Cancers: Adenocarcinoma, Squamous Cell Carcinoma</li> <li>• Oesophageal GIST</li> <li>• Achalasia and Motility Disorders</li> <li>• Oesophageal emergencies: Perforation, Mallory-Weiss Tear, Foreign body</li> <li>• Gastro-oesophageal Reflux Disease and Hiatus Hernia</li> <li>• Barrett's metaplasia</li> <li>• Oesophageal Varices</li> <li>• Acute Gastric Conditions: Acute gastric dilatation and gastric volvulus</li> <li>• Acute Gastric Haemorrhage</li> <li>• Acute Peptic ulcer perforation</li> <li>• Peptic ulcer disease</li> <li>• GIST</li> <li>• Gastric Carcinoma</li> <li>• Gastric Lymphoma</li> <li>• Acute Pancreatitis and Complications: Abscess, pseudocyst, necrosis</li> <li>• Gallstone disease</li> <li>• Surgical Nutrition</li> <li>• Morbid Obesity/ Bariatric surgery</li> <li>• Metabolic Surgery</li> <li>• Splenomegaly</li> <li>• Adrenalectomy</li> <li>• Abdominal hernia/Incisional hernia</li> <li>• Inguinal and Femoral hernia</li> </ul>
<p><b>8. Training Method</b></p>	<p><b>Method of Supervision:</b> Direct supervision by Senior Consultants and Consultants in the department, as part of the team they are attached to. They will participate in all department and team activities, including operating theatre, endoscopy and clinics.</p> <p><b>Observed Only:</b> Clinical Fellow will have opportunities to observe the following procedures:</p> <ul style="list-style-type: none"> <li>• POEMS</li> <li>• EMR/ESD</li> </ul> <p><b>Hands-On Experience:</b> Clinical Fellow will assist in the following procedures under supervision:</p> <ul style="list-style-type: none"> <li>• MIS/Open Oesophagectomy</li> <li>• MIS/Open Gastrectomy (Total and Subtotal)</li> <li>• Laparoscopic Sleeve gastrectomy</li> <li>• Laparoscopic Roux-En-Y Gastric bypass</li> </ul>

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	<ul style="list-style-type: none"> <li>• MIS/Open Ventral hernia</li> <li>• MIS/Open Inguinal hernia repair</li> <li>• MIS/Open Para-esophageal hernia repair</li> <li>• Laparoscopic Fundoplication for GERD</li> <li>• Laparoscopic Cardiomyotomy</li> <li>• MIS GIST resections</li> <li>• Palliative bypass for gastric outlet obstruction</li> <li>• Endoscopic Feeding tube insertion (NJ tube, PEG tube)</li> <li>• Surgical Feeding jejunostomy</li> <li>• Oesophageal stenting</li> <li>• OGD dilatation</li> <li>• Diagnostic and Therapeutic OGD and Colonoscopy, Polypectomy</li> <li>• Management of Esophageal perforation</li> <li>• Management of complicated peptic ulcer disease (including laparoscopic repair of duodenal perforation)</li> <li>• Laparoscopic adrenalectomy</li> <li>• Laparoscopic Splenectomy/Splenopancreatectomy</li> <li>• Intracorporeal suturing</li> <li>• ERCP</li> </ul> <p><b>No job rotation to other Departments within SGH is required. No job rotation to other Institutions is required.</b></p> <p><b>Upper GI and Bariatric Surgery Weekly Programme:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="3">TRAINING ACTIVITIES &amp; METHODOLOGY</th> </tr> <tr style="background-color: #cccccc;"> <th style="width: 35%;">Name of activity</th> <th style="width: 35%;">Frequency / No. of sessions / Length of session</th> <th style="width: 30%;">Teaching methodology</th> </tr> </thead> <tbody> <tr> <td>Department M&amp;M</td> <td>Department M&amp;M fortnightly(1h)  General surgery M&amp;M weekly(1.5h)</td> <td>Conference, case presentation, literature review</td> </tr> <tr> <td>Journal Club</td> <td>Fortnightly (1h)</td> <td>Presentation, Journal critique, Evidence based medicine</td> </tr> <tr> <td>Upper GI Tumor board</td> <td>Weekly (1h)</td> <td>Conference</td> </tr> <tr> <td>Obesity and Metabolic unit meeting</td> <td>Weekly (1h)</td> <td>Lectures, case presentation</td> </tr> <tr> <td>Grand Ward Rounds</td> <td>Weekly (1h)</td> <td>Case presentation</td> </tr> </tbody> </table>	TRAINING ACTIVITIES & METHODOLOGY			Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology	Department M&M	Department M&M fortnightly(1h)  General surgery M&M weekly(1.5h)	Conference, case presentation, literature review	Journal Club	Fortnightly (1h)	Presentation, Journal critique, Evidence based medicine	Upper GI Tumor board	Weekly (1h)	Conference	Obesity and Metabolic unit meeting	Weekly (1h)	Lectures, case presentation	Grand Ward Rounds	Weekly (1h)	Case presentation
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<p><b>9. Assessment and Evaluation</b></p>	<p>Clinical Fellow is required to continually demonstrate the following six competencies throughout the programme.</p> <ol style="list-style-type: none"> <li>1) Patient Care</li> <li>2) Medical Knowledge</li> <li>3) Practice-Based Learning and Improvement</li> <li>4) Interpersonal and Communication skills</li> <li>5) Professionalism</li> <li>6) Systems-Based Practice</li> </ol> <p>The other key competency areas include: <i>Research Project, Presentation at meetings.</i></p> <div style="border: 1px solid black; padding: 5px;"> <p>Clinical Fellow will need to demonstrate their proficiency level based on the following competencies:</p> <p><b>1) Patient Care</b> Demonstrate appropriate care at clinic, inpatient, operation theatre, endoscopy centre with safety and well-being of the patient as priority.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>2) Medical Knowledge</b> Demonstrate appropriate level of knowledge in the specialty.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>3) Practice-Based Learning and Improvement</b> Through observation, assisting, and performing certain tasks and completion of tasks under direct supervision. Feedback after procedures.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>4) Interpersonal and Communication Skills</b> Able to communicate to patients and colleagues conditions pertaining to the specialty, informed consent of procedures.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>5) Professionalism</b> Demonstrate collegiality, discussion of issues pertaining to patient management and surgical techniques.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>6) Systems-Based Practice</b> Demonstrate the working protocols of the department with regard to ordering of investigations, planning for surgery, surgical time-outs and post-operative care.</p> </div>
<p>9.1 Assessment approaches</p>	<p><b>Formative assessment:</b></p> <ul style="list-style-type: none"> <li>• Regular evaluation between Clinical Fellow and supervisor/HOD</li> <li>• Reflective journal- logbook recordings of training activities</li> <li>• Operation techniques and practical evaluation</li> <li>• Frequency: 3 monthly (quarterly)</li> </ul>

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	<p><b>Summative assessment:</b> Periodical assessment reports as required by Singapore Medical Council</p> <p><b>Feedback:</b></p> <ul style="list-style-type: none"> <li>• End-of-training feedback form as required by Singapore Medical Council</li> <li>• End-of-training feedback session with SGH-PGMI</li> </ul>															
<p>9.2 Evaluation Process 9.2.1 General overall grading system</p>	<p>The general overall grading system evaluates the Clinical Fellow's performance upon completion of the clinical fellowship programme. All Clinical Fellow 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 Clinical Fellow must demonstrate throughout the programme.</p> <table border="1"> <thead> <tr> <th>Grading Status</th> <th>Description</th> <th>Grading Criteria Requirements</th> </tr> </thead> <tbody> <tr> <td><b>CMP</b></td> <td>Completes the programme</td> <td> <ul style="list-style-type: none"> <li>• Scores above 6/10 for all</li> </ul> </td> </tr> <tr> <td><b>USP</b></td> <td>Unsatisfactory performance</td> <td> <ul style="list-style-type: none"> <li>• 3 categories of below 4/10</li> </ul> </td> </tr> <tr> <td><b>DCP</b></td> <td>Did not complete the programme</td> <td> <ul style="list-style-type: none"> <li>• Below 4/10 for all</li> </ul> </td> </tr> <tr> <td><b>WDN</b></td> <td>Withdrawn from the programme</td> <td> <ul style="list-style-type: none"> <li>• N.A.</li> </ul> </td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	<b>CMP</b>	Completes the programme	<ul style="list-style-type: none"> <li>• Scores above 6/10 for all</li> </ul>	<b>USP</b>	Unsatisfactory performance	<ul style="list-style-type: none"> <li>• 3 categories of below 4/10</li> </ul>	<b>DCP</b>	Did not complete the programme	<ul style="list-style-type: none"> <li>• Below 4/10 for all</li> </ul>	<b>WDN</b>	Withdrawn from the programme	<ul style="list-style-type: none"> <li>• N.A.</li> </ul>
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<p>9.2.2 Options for Clinical Fellow who was graded with a (USP) for unsatisfactory performance</p>	<p>Apply for an alternative Fellowship in the future.</p>															
<p>9.3 Criteria for Early Termination</p>	<p>The attachment programme will be terminated early on the ground of the Clinical Fellow's poor performance, misdemeanor, misconduct, negligence or breach of any terms stipulated or referred to in the Fellowship Letter of Offer and Terms and Conditions from SGH-PGMI.</p> <p>The Clinical Fellow may also request to terminate the attachment programme for reasons such as serious illness or other personal obligations.</p> <p>SGH-PGMI will review all requests for early termination with the Clinical Fellow and the supervisor/ Head of Department.</p>															
<p><b>10. Course Administration</b></p>	<p>Type of Certification: Certificate of Training</p> <p>Training Fee: S\$3,210 per month</p>															

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	Programme Funding source: Self-funded
<b>11. Number of Clinical Fellow to be accepted at any one time</b>	1