

**COLORECTAL SURGERY FELLOWSHIP ATTACHMENT
PROGRAMME IN SGH**

Components	Information
1. Division/ Department	Surgery & Surgical Oncology/ Colorectal Surgery
2. Title of Programme	Clinical Fellowship Training in Colorectal Surgery
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	The programme provides an in depth exposure to a large variety of Colorectal cases that will include hands-on training with approval from SMC. This would include clinic, endoscopic, operative and post-operative management involving proctology, colectomy, pelvic floor disorders, endoscopy and specialized areas like nutrition, IBD and robotic surgery.
4.1 Background information	
4.2 Goal/ aim(s)	<ol style="list-style-type: none"> 1. To provide sound and effective theoretical knowledge and develop clinical skills in the surgical management and care of patients with colorectal conditions 2. To attain knowledge and skills in the evaluation, treatment and surgical management of patients with pelvic floor disorders 3. Trainees would be able to apply these knowledge and skills on a day to day basis
4.3 Duration	6 to 12 months
4.4 Hyperlinks/URL Sites	https://www.sgh.com.sg/subsites/colorectal-surgery/Pages/home.aspx
5. Target Audience	Qualified general surgeons with/has a deep interest to practise Colorectal surgery in more than 75% of his work time.
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 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"> a) Have a minimum of 3 years working experience as a medical officer (or equivalent) b) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is <u>not</u> in English

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	<p>c) Preferably have obtained a postgraduate diploma or medical degree in his country or overseas</p> <p>d) 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 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): N.A.</p>
6. Learning Objectives	<ol style="list-style-type: none"> 1. To provide sound and effective theoretical knowledge and develop clinical skills in the surgical management and care of patients with colorectal conditions 2. To attain knowledge and skills in the evaluation, treatment and surgical management of patients with pelvic floor disorders 3. Trainees would be able to apply these knowledge and skills on a day to day basis
7. Course/Training Syllabus	<p>Fellows will perform or assist in the following procedures under supervision:</p> <p><u>Hands-on experience:</u></p> <ol style="list-style-type: none"> 1. Colonic Resections (Open/ Laparoscopic) 2. Surgeries for malignant and benign ano-rectal conditions 3. Investigative tests at the Pelvic Floor Laboratory 4. Procedures (Surgical and Non-Surgical) for Pelvic Floor Dysfunction 5. Endoscopic Procedures (Colonoscopy, OGD, and relevant histologic tests) <p><u>Assist only:</u> Robotics Assisted Laparoscopic Colonic Resections</p> <p><u>Observe only:</u> Fellows will have opportunities to observe the following procedures:</p> <ul style="list-style-type: none"> • Robotics • Surgeries for malignant and benign ano-rectal conditions • Investigative tests at the Pelvic Floor Laboratory • Procedures (Surgical and Non-Surgical) for Pelvic Floor Dysfunction • Endoscopic Procedures (Colonoscopy, OGD, and relevant histologic tests)
8. Training Method	<p>Method of Supervision: Direct observation and feedback. Fellow will be supervised by an assigned supervisor at all times.</p> <p>Fellows will assist in the following procedures under supervision:</p> <ul style="list-style-type: none"> • Colonic Resections (Open/ Laparoscopic) • Surgeries for malignant and benign ano-rectal conditions • Investigative tests at the Pelvic Floor Laboratory • Procedures (Surgical and Non-Surgical) for Pelvic Floor Dysfunction

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	<ul style="list-style-type: none">• Endoscopic Procedures (Colonoscopy, OGD, and relevant histologic tests)• Robotics Assisted Laparoscopic Colonic Resections <p>Attachment will be within Colorectal Team only at SGH; No rotation to other departments in SGH and no rotation to other institutions.</p> <table><tr><th colspan="3">TRAINING ACTIVITIES & METHODOLOGY</th></tr><tr><th>Name of activity</th><th>Frequency / No. of sessions / Length of session</th><th>Teaching methodology</th></tr><tr><td><p><u>CLINICAL PRACTICE COMPONENT</u> All patient care related activities performed by clinical fellows would be supervised by assigned mentor/ preceptor. Fellows would be exposed to the following:</p><p>1. Assist and deliver clinical care and surgical management of patients with benign or malignant colorectal or ano-rectal conditions, and other relevant conditions such as pelvic floor disorders</p><p>2. Assist and perform in colorectal surgery or other advanced colorectal procedures</p></td><td><p>Daily</p><p>Weekly</p></td><td><p>All activities are done under supervision</p></td></tr></table>	TRAINING ACTIVITIES & METHODOLOGY			Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology	<p><u>CLINICAL PRACTICE COMPONENT</u> All patient care related activities performed by clinical fellows would be supervised by assigned mentor/ preceptor. Fellows would be exposed to the following:</p> <p>1. Assist and deliver clinical care and surgical management of patients with benign or malignant colorectal or ano-rectal conditions, and other relevant conditions such as pelvic floor disorders</p> <p>2. Assist and perform in colorectal surgery or other advanced colorectal procedures</p>	<p>Daily</p> <p>Weekly</p>	<p>All activities are done under supervision</p>
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	3. Assists and perform relevant diagnostic tests (Endo rectal and Endoanal ultrasounds, biometry)	Once/ twice weekly – 4 hours each session	
	4. Assist or perform endoscopic procedures: OGD, Colonoscopies (with or without histology tests)	Once/ twice weekly – 4 hours each session	
	5. Documentation of clinical treatment plans	Daily	
	6. Participation and presentation in case conferences, ward rounds, combined board discussions, Morbidity and Mortality Rounds or other relevant conferences or meetings identified by his Mentor and Preceptor	Total of 2 hours each week	
	<p><u>DIDACTIC COMPONENT</u></p> <p>Participate in other skills development training programme by participating in workshops and through self-directed learning initiatives</p>	<ul style="list-style-type: none"> Approximately (2-8 hour workshops/year) Self-directed learning (2 hour per week) 	Supervised by trained instructors

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	<p style="text-align: center;"><u>ACADEMIC COMPONENT</u></p> <p><u>Clinical Research</u> Conduct supervised CIRB- approved clinical research on the following:</p> <ul style="list-style-type: none"> Basic or molecular/ genetic based research (lab based) in colorectal cancer 	Twice Yearly	Supervised by Mentor
9. Assessment and Evaluation	<p>Fellows will need to demonstrate their proficiency level based on the following competencies:</p>		
	<p>1) Patient Care</p> <p>Empathise with patient, show care for patient during consult and in ward</p>		
	<p>2) Medical Knowledge</p> <p>Demonstrates medical knowledge expected of a post graduate fellow</p>		
	<p>3) Practice-Based Learning and Improvement</p> <p>Shows improvement in medical knowledge and practical skills</p>		
	<p>4) Interpersonal and Communication Skills</p> <p>Shows teamwork, works well in team</p>		
	<p>5) Professionalism</p> <p>Shows professionalism in work</p>		
	<p>6) Systems-Based Practice</p>		

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	<div>Able to carry out independent practice</div>															
9.1 Assessment approaches	<p>Formative assessment:</p> <ul style="list-style-type: none">Regular evaluation between Fellow and Supervisor / Head of DepartmentReflective journal- logbook recordings of training activities. <p>Summative assessment:</p> <ul style="list-style-type: none">Periodical assessment reports as required by Singapore Medical Council <p>Feedback:</p> <ul style="list-style-type: none">End-of-training feedback form as required by Singapore Medical CouncilEnd-of-training feedback session with SGH-PGMI with indication of 80% of training objectives met indicated in the logbook, under the Summary of Training and Certification page															
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><tr><th>Grading Status</th><th>Description</th><th>Grading Criteria Requirements</th></tr><tr><td>CMP</td><td>Completes the programme</td><td><ul style="list-style-type: none">Fellow completes at least 6 months of training and achieves all the competencies of the training programme</td></tr><tr><td>USP</td><td>Unsatisfactory performance</td><td><ul style="list-style-type: none">Fellow completed at least 6 months of the training programme, but is not able to achieve the competencies of the training programme</td></tr><tr><td>DCP</td><td>Did not complete the programme</td><td><ul style="list-style-type: none">Fellow is not able to complete at least 6 months of training</td></tr><tr><td>WDN</td><td>Withdrawn from the programme</td><td><ul style="list-style-type: none">Fellow has consistently demonstrated poor performance throughout the training period, demonstrates, misdemeanour, misconduct or medical negligence</td></tr></table>	Grading Status	Description	Grading Criteria Requirements	CMP	Completes the programme	<ul style="list-style-type: none">Fellow completes at least 6 months of training and achieves all the competencies of the training programme	USP	Unsatisfactory performance	<ul style="list-style-type: none">Fellow completed at least 6 months of the training programme, but is not able to achieve the competencies of the training programme	DCP	Did not complete the programme	<ul style="list-style-type: none">Fellow is not able to complete at least 6 months of training	WDN	Withdrawn from the programme	<ul style="list-style-type: none">Fellow has consistently demonstrated poor performance throughout the training period, demonstrates, misdemeanour, misconduct or medical negligence
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9.2.2 Options for Clinical Fellow who was graded with a (USP) for unsatisfactory performance	1) To re-apply for the clinical attachment. OR 2) Provide opportunities to remediate performance.
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> <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>
10. Course Administration	<p>Type of Certification: Certificate of Training</p> <p>Training Fee (recommended): S\$3,210 per month</p> <p>Programme Funding source: Self-funded</p>
11. Number of Clinical Fellow to be accepted at any one time	3