

**ENDOUROLOGY FELLOWSHIP ATTACHMENT
PROGRAMME IN SGH**

Components	Information
1. Division/ Department	Surgery & Surgical Oncology/ Urology
2. Title of Programme	Clinical Fellowship Training in Endourology
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 fellow accepted into the programme will gain exposure to both basic and advanced endourology procedures that are performed in the department. For the fellows with interest in minimally invasive surgeries such as laparoscopic and robotic surgeries, the candidate will have adequate exposure and hands on opportunities with supervision in these surgeries.
4.1 Background information	
4.2 Goal/ aim(s)	<p>This fellowship programme allows fellows to:</p> <ul style="list-style-type: none"> • acquire sub-specialists knowledge relevant to the field of endourology • gain exposure to state of the art surgical techniques as well as equipments • achieve a level of competency in endourology procedures both simple and complex • achieve a level of competency in laparoscopic surgeries and gain exposure to robotic surgeries • complete/participate in research projects directed by the supervisor of the programme leading to publications/presentations in national and international meetings
4.3 Duration	3-12 months
4.4 Hyperlinks/URL Sites	<p>The teaching/didactic requirements can be fulfilled within 3 months. However, with 6 or 12 months, trainees are able to complete sufficient numbers of procedures under supervision to perform the procedure independently after completion of this programme. The 3-12 months offers the flexibility to complete the training and also depending on the commitment that the visiting fellows and their institutions can invest.</p> <p>https://www.sgh.com.sg/patient-care/specialties-services/urology</p>
5. Target Audience	<ul style="list-style-type: none"> • Postgraduate medical qualification e.g.: MMED or equivalent • Minimum 2 years postgraduate training experience in relevant specialty is preferred (after obtaining the postgraduate medical qualification) • Proven competency in English language • Preferably with at least one publication related to endourology
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

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	<ul style="list-style-type: none"> • 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 c) Preferably have obtained a postgraduate diploma or medical degree in his country or overseas 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>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):</p> <ul style="list-style-type: none"> • Postgraduate medical qualification e.g.: MMED or equivalent • Minimum 2 years postgraduate training experience in relevant specialty is preferred (after obtaining the postgraduate medical qualification) • Proven competency in English language • Preferably with at least one publication related to endourology
<p>6. Learning Objectives</p>	<p>This fellowship would allow the Fellow to:</p> <ul style="list-style-type: none"> • acquire sub-specialists knowledge relevant to the field of endourology as well as minimally invasive surgeries • gain exposure to state of the art surgical techniques as well as equipment • achieve a level of competency in endourology procedures both simple and complex • achieve a level of competency in laparoscopic surgeries and gain exposure to robotic surgeries • complete/participate in research projects directed by the supervisor of the programme leading to publications/presentations in national and international meetings
<p>7. Course/Training Syllabus</p>	<p>Fellows will perform or assist in the following procedures under supervision:</p> <ul style="list-style-type: none"> • Cystoscopy • Stent insertion/removal • Semi rigid ureteroscopy • Laser lithotripsy • Flexible ureteroscopy • Percutaneous Nephrolithotomy (simple)

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	<ul style="list-style-type: none"> • Laparoscopic stone surgeries such as laparoscopic ureterolithotomy • Laparoscopic pyeloplasty • Laparoscopic radical nephrectomy • Laparoscopic radical nephroureterectomy <p>Fellows will have opportunities to observe and participate in the following procedures:</p> <ul style="list-style-type: none"> • Retrograde intrarenal surgery (RIRS) • Percutaneous Nephrolithotomy (complex) – both prone and supine • Robotic surgeries such as robotic prostatectomy and partial nephrectomy • Laparoscopic partial nephrectomy
<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 Only: Fellows will have opportunities to observe the following procedures:</p> <ul style="list-style-type: none"> • Percutaneous Nephrolithotomy (complex) – both prone and supine • Robotic surgeries such as robotic prostatectomy and partial nephrectomy • Laparoscopic partial nephrectomy <p>Hands-On Experience: Fellows will perform or assist in the following procedures under supervision:</p> <ul style="list-style-type: none"> • Cystoscopy • Stent insertion/removal • Semi rigid ureteroscopy • Laser lithotripsy • Flexible ureteroscopy • Percutaneous Nephrolithotomy (simple) • Laparoscopic stone surgeries such as laparoscopic ureterolithotomy • Laparoscopic pyeloplasty • Laparoscopic radical nephrectomy • Laparoscopic radical nephroureterectomy • RIRS <p>No job rotation to other departments within SGH. No job rotation to other Institutions.</p>

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	TRAINING ACTIVITIES & METHODOLOGY		
	Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology
	Grand Ward Round	Once a week (1 hour)	Bedside teaching
	Outpatient clinic sessions	2-3 times a week	Supervised hands-on
	Operating sessions	2-4 sessions per week	Supervised Hands-on
	Pre & Post summary meeting / Morbidity and Mortality Presentations	Once a week (1 hour)	Presentation and discussion
	X-ray conference	Once a week (1 hour)	Presentation and discussion
	Clinical case-based topic review and Journal Club	Twice a month (1 hour)	Presentation and discussion
9. Assessment and Evaluation	<p>Fellows will need to demonstrate their proficiency level based on the following competencies:</p> <p>1) Patient Care Provide appropriate, cost-effective and quality care to the patients</p> <p>2) Medical Knowledge</p>		

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	<p>Comprehensive and up to date knowledge in Endourology</p> <p>3) Practice-Based Learning and Improvement Able to apply medical knowledge to real life patients and constantly stay up to date with the latest in endourology</p> <p>4) Interpersonal and Communication Skills Demonstrate ability to work well with others and a good team player</p> <p>5) Professionalism Demonstrate professionalism both in and out of hospital</p> <p>6) Systems-Based Practice Able to use the knowledge gained from this fellowship to continue to advance medical care in their home country and provide quality care to the patients</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="text-align: center;">CMP</td> <td>Completes the programme</td> <td> <ul style="list-style-type: none"> All criteria met </td> </tr> <tr> <td style="text-align: center;">USP</td> <td>Unsatisfactory performance</td> <td> <ul style="list-style-type: none"> Lacking all criteria despite taking remedial actions </td> </tr> <tr> <td style="text-align: center;">DCP</td> <td>Did not complete the programme</td> <td> <ul style="list-style-type: none"> End fellowship before completion date </td> </tr> <tr> <td style="text-align: center;">WDN</td> <td>Withdrawn from the programme</td> <td> <ul style="list-style-type: none"> Ends fellowship before completion date </td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	CMP	Completes the programme	<ul style="list-style-type: none"> All criteria met 	USP	Unsatisfactory performance	<ul style="list-style-type: none"> Lacking all criteria despite taking remedial actions 	DCP	Did not complete the programme	<ul style="list-style-type: none"> End fellowship before completion date 	WDN	Withdrawn from the programme	<ul style="list-style-type: none"> Ends fellowship before completion date
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9.2.2 Options for Fellows who were graded with a (USP) for unsatisfactory performance	<p>Fellows would be given regular feedback so that he or she would be aware of area of deficiencies and have the opportunity to improve during his/her posting.</p> <p>If however, the fellow is still deemed not satisfactory, he/she has the option of extending the fellowship subject to approval.</p>
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: S\$3,210 per month Training fee will be decided by the department based on individual Fellow's circumstances</p> <p>Programme Funding source: Self-funded/ Goh Cheng Liang Fellowship Programme</p>
11. Number of Clinical Fellow to be accepted at any one time	6