

**ORTHOPAEDIC SURGERY (SPINE)
FELLOWSHIP ATTACHMENT PROGRAMME IN SGH**

Components	Information
1. Division/ Department	Musculoskeletal Sciences/ Orthopaedic Surgery, Spine Service
2. Title of Programme	Clinical Fellowship Training in Orthopaedic Surgery (Spine)
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 main objective of these attachment programmes is for candidates to gain exposure in the spinal surgery and/or learn specific clinical skills.
4.1 Background information	
4.2 Goal/ aim(s)	<p>This attachment programme allows Fellows to gain exposure/experience in:</p> <ul style="list-style-type: none"> • All aspects of spinal medicine & surgery, including clinical evaluation and management, as well as surgical training • The 6-month or 12-month programme allows increased opportunities for hands-on-training and participation in significant research projects
4.3 Duration	<p>Minimum: 6 months Maximum: up to 12 months</p>
4.4 Hyperlinks/URL Sites	https://www.sgh.com.sg/departments/ortho/services/pages/spineservice.aspx
5. Target Audience	<p>Orthopaedic surgeons who have specific interest in the subspecialty, preferably coming from the following countries (applicants from other countries are also welcomed to apply as long as they meet the eligibility criteria):</p> <ul style="list-style-type: none"> • India • Philippines • Malaysia
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)

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	<p>b) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is <u>not</u> in English</p> <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 Fellows in this subspecialty):</p> <ul style="list-style-type: none"> • FRCS "Ortho" or equivalent • Able to commit a minimum period of 6 months in this Clinical Fellowship attachment 								
6. Learning Objectives	<p>This fellowship would allow the Fellow to gain exposure/experience in:</p> <ul style="list-style-type: none"> • All aspects of spinal medicine & surgery, including clinical evaluation and management, as well as surgical training • The 6-month or 12-month programme allows increased opportunities for hands-on-training and participation in significant research projects • 12 Month Programme (similar to 6-month program). In addition to the 6-month program, it will also include the following components: <ul style="list-style-type: none"> - Writing at least one paper for publication - Exposure to greater variety of cases - Exposure to more difficult /complex cases 								
7. Course/Training Syllabus	<p><u>Hands-on experience</u> Fellows will perform or assist in the following procedures under supervision:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 45%;">Name of Activity</th> <th style="width: 25%;">Frequency sessions/length sessions</th> <th style="width: 10%;">of of</th> <th style="width: 20%;">Teaching Methodology</th> </tr> </thead> <tbody> <tr> <td> Surgery a) Open Surgery - Cervical / thoracic/ lumbar - Fusion Surgery - Disc arthroplasty b) Minimally Invasive Surgery - Decompression - Fusion - Lateral Surgery c) Deformity Surgery </td> <td>2 days weekly</td> <td></td> <td>Under direct supervision - allowed to perform/assist procedures</td> </tr> </tbody> </table>	Name of Activity	Frequency sessions/length sessions	of of	Teaching Methodology	Surgery a) Open Surgery - Cervical / thoracic/ lumbar - Fusion Surgery - Disc arthroplasty b) Minimally Invasive Surgery - Decompression - Fusion - Lateral Surgery c) Deformity Surgery	2 days weekly		Under direct supervision - allowed to perform/assist procedures
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8. Training Method	<p>Method of Supervision: Direct observation and feedback. Fellow will be supervised by an assigned supervisor at all times both in outpatient clinics and in operating theatres.</p> <ul style="list-style-type: none"> - Continuous direct supervision <p>Hands-On Experience: Fellows will perform or assist in the following procedures under supervision: As per table under item 7</p> <p>No job rotation to other departments within SGH is required. No job rotation to other institutions is required.</p> <p>TRAINING ACTIVITIES & METHODOLOGY</p> <table border="1"> <thead> <tr> <th>Name of Activity</th> <th>Frequency of sessions/length of sessions</th> <th>Teaching Methodology</th> </tr> </thead> <tbody> <tr> <td>Outpatient clinic exposure and assessment</td> <td>3 days weekly: 1 day – 2 sessions (am & pm) Per session: 3 to 4 hrs</td> <td>Under direct supervision – Involved in patient care, write patients' case notes, communicate care plans to patients and fellow healthcare professionals</td> </tr> <tr> <td>Surgery a) Open Surgery - Cervical / thoracic/ lumbar - Fusion Surgery - Disc arthroplasty b) Minimally Invasive Surgery - Decompression - Fusion - Lateral Surgery c) Deformity Surgery</td> <td>2 days weekly</td> <td>Under direct supervision - allowed to perform/assist procedures</td> </tr> <tr> <td>Spine Rounds - Case Discussion</td> <td>Once / weekly / 1 to 2 hrs</td> <td>Case discussion of complex or complicated spine cases</td> </tr> <tr> <td>- Radiology Rounds</td> <td>3rd week / monthly / 1 to 2 hrs</td> <td>Case discussion of complex or complicated spine cases – Combined Session with DDR and Spine Team</td> </tr> </tbody> </table>	Name of Activity	Frequency of sessions/length of sessions	Teaching Methodology	Outpatient clinic exposure and assessment	3 days weekly: 1 day – 2 sessions (am & pm) Per session: 3 to 4 hrs	Under direct supervision – Involved in patient care, write patients' case notes, communicate care plans to patients and fellow healthcare professionals	Surgery a) Open Surgery - Cervical / thoracic/ lumbar - Fusion Surgery - Disc arthroplasty b) Minimally Invasive Surgery - Decompression - Fusion - Lateral Surgery c) Deformity Surgery	2 days weekly	Under direct supervision - allowed to perform/assist procedures	Spine Rounds - Case Discussion	Once / weekly / 1 to 2 hrs	Case discussion of complex or complicated spine cases	- Radiology Rounds	3 rd week / monthly / 1 to 2 hrs	Case discussion of complex or complicated spine cases – Combined Session with DDR and Spine Team
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	<ul style="list-style-type: none"> - Oncology Rounds 	Once / weekly / 1 to 2 hrs	Case discussion of complex or complicated spine cases
	Journal Clubs	Once / monthly	Discuss on latest journal publications selected by Senior Consultant hosting the journal club. For these teaching sessions, fellows/residents will be assigned to present the journals, followed by in-depth case discussion.
	Mortality & Morbidity Rounds	Every Thursday (1 to 2 hrs)	Clinical incidents (include patient mortalities and morbidities & serious reportable events) are reported via online to the Quality Assurance Committee. These are discussed and reviewed by the department. Purpose is to address areas and issues identified so as to prevent further occurrences of similar events for quality assurance purposes.
9. Assessment and Evaluation	<p>Fellows will need to demonstrate their proficiency level based on the following competencies:</p> <ol style="list-style-type: none"> 1) Patient Care <ul style="list-style-type: none"> - History and physical examination 2) Medical Knowledge <ul style="list-style-type: none"> - Spinal conditions and treatment 3) Practice-Based Learning and Improvement <ul style="list-style-type: none"> - Surgical techniques 4) Interpersonal and Communication Skills <ul style="list-style-type: none"> - Discussion of risk and options in spinal surgery 5) Professionalism <ul style="list-style-type: none"> - Punctually and good attendance 6) Systems-Based Practice <ul style="list-style-type: none"> - Team collegiality 		

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9.1 Assessment approaches	<p>Formative assessment: (Passing %: 50%)</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: (Passing %: 50%) 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 Clinical Fellow's performance upon completion of the 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" 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 style="text-align: center;">Completes the programme</td> <td>At least 80% attendance for all meetings and training activities. Active participation in most training activities.</td> </tr> <tr> <td style="text-align: center;">USP</td> <td style="text-align: center;">Unsatisfactory performance</td> <td>Less than 30% attendance for all meetings and training activities. Consistently demonstrates poor training skills and patient care. Demonstrates no respect towards Supervisor or other Health Professionals' advice. Lack of responsibility throughout the programme and lack of interest to learn.</td> </tr> <tr> <td style="text-align: center;">DCP</td> <td style="text-align: center;">Did not complete the programme</td> <td>Does not attend any meeting or attend any training activities. No supporting documents for absence or valid reason for not completing the programme (e.g. medical certificate / hospitalisation leave).</td> </tr> <tr> <td style="text-align: center;">WDN</td> <td style="text-align: center;">Withdrawn from the programme</td> <td>Absolutely nil participation in the programme.</td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	CMP	Completes the programme	At least 80% attendance for all meetings and training activities. Active participation in most training activities.	USP	Unsatisfactory performance	Less than 30% attendance for all meetings and training activities. Consistently demonstrates poor training skills and patient care. Demonstrates no respect towards Supervisor or other Health Professionals' advice. Lack of responsibility throughout the programme and lack of interest to learn.	DCP	Did not complete the programme	Does not attend any meeting or attend any training activities. No supporting documents for absence or valid reason for not completing the programme (e.g. medical certificate / hospitalisation leave).	WDN	Withdrawn from the programme	Absolutely nil participation in the programme.
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9.3 Criteria for Early Termination	The attachment programme will be terminated early on the ground of the Clinical Fellow's poor performance, misdemeanour, misconduct, negligence or breach of any															

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	<p>terms stipulated or referred to in the Clinical Fellowship Letter of Offer and Institution Terms and Conditions.</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>The institution will review all requests for early termination with the Clinical 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</p> <p>Programme Funding source:</p> <ol style="list-style-type: none"> 1. Self-funded 2. Ortho / Spine Fellowship Fund
11. Number of Clinical Fellow to be accepted at any one time	5