



MALAYSIAN MEDICAL COUNCIL

SPECIALTY-SPECIFIC REQUIREMENTS (SSR)

(GENERAL SURGERY)

Prepared By:

Specialty Education Subcommittee (SEC)
of the Medical Education Committee (MEC),
Malaysian Medical Council

Approved by the Malaysian Medical Council:

21st May 2024

Preface

1. The Specialty-Specific Requirements (SSR) pertain to requirements within each specialty and specify the minimum requirements pertaining to the training curriculum, trainers, educational resources and head of programme.
2. The Specialty-Specific Requirements (SSR) are intricately linked to the MMC Malaysian Standards for Medical Specialist Training 2019, and the Standards and SSR must be read and applied together.

Specialty-Specific Minimum Requirements for Training Curriculum (Based on Area 1.2.4 of Malaysian Standards for Medical Specialist Training) - General Surgery											
Specialty-Specific Requirements (Reference Standard)	Criteria										
1) Minimum entry requirements for postgraduate training (Standard 3.1)	i. Fully registered with the Malaysian Medical Council with a current annual practising certificate. ii. 2 years of experience in surgery and its related fields post housemanship. iii. Successful entry evaluation into the programme.										
2) Minimum duration of training programme (Standard 1.2.4 - Table 2)	Completion of a minimum of 48 months of specialised training in the specialty programme.										
3) Structure of training (rotation/modules) (Standard 1.2.4 - Table 3 & Table 4) Training overview Training rotation/modules and case mix	The program should have a clear pathway encompassing phases of training which shall include the basic and advanced components in general surgery. The training should be a minimum of 48 months comprises of the following rotations: <table border="1" data-bbox="608 1442 1374 2130"> <thead> <tr> <th>Areas</th> <th>Details</th> <th>Minimum Duration (Months)</th> </tr> </thead> <tbody> <tr> <td>General surgical posting</td> <td>-</td> <td>24</td> </tr> <tr> <td>General surgical sub-specialties postings</td> <td>Breast, endocrine, colorectal, hepatobiliary, upper gastrointestinal, vascular</td> <td>12</td> </tr> </tbody> </table>		Areas	Details	Minimum Duration (Months)	General surgical posting	-	24	General surgical sub-specialties postings	Breast, endocrine, colorectal, hepatobiliary, upper gastrointestinal, vascular	12
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<p>4) Assessments (Standard 2.2.1)</p>	<p>Assessments should</p> <ol style="list-style-type: none"> i. Employ appropriate methods and levels that are well-aligned with learning outcomes. These include a variety of methods and tools such as written assessments, clinical assessments, supervisor’s report, logbook, attendance, training attended, practice diary, research report, formative assessment, communication skills including methods appropriate to assess ethics and professionalism. ii. Include formative and summative assessments throughout each rotation, semester, or year of study. iii. Include clear criteria for progression to next year of study. iv. Include an exit evaluation/assessment. 						
<p>5) Additional requirements for completion of training (Standard 1.2.4)</p>	<ol style="list-style-type: none"> i. Completion of graduate-level research or clinical audit project. ii. Satisfactory completion of required courses as follows: <ol style="list-style-type: none"> a. Science of Tissue Management b. Care of the Critically Ill Surgical Patient 						

	<ul style="list-style-type: none"> c. Non-technical Skills for Surgeons d. Advanced Trauma Life Support e. Endoscopic skills course f. Laparoscopic skills course 						
<p>6) List of competencies to be acquired upon completion of training</p> <p>(Standard 1.1.4)</p>	<p><u>Generic competencies</u></p> <p>Able to:</p> <ul style="list-style-type: none"> i. Independently manage common general surgery cases holistically, including complications, whilst considering social, health economics and preventive aspects. ii. Function competently and professionally in a team-based environment. iii. Maintain a high level of integrity and ethical conduct in practice. iv. Ensure effective communication with patients, colleagues and other healthcare-adjacent providers. v. Advance the evidence-based practice of surgery through research, audit and scientific writing. vi. Exemplify life-long learning through continual professional development, including acquisition of new skills and competencies. vii. Demonstrate exemplary leadership qualities, including setting and maintaining standards, supporting others and having the resilience to cope with pressure. viii. Cultivate an entrepreneurial mindset, balancing risks and benefits, for creative problem-solving. <p><u>Specific specialty competencies</u></p> <p>The Entrustable Professional Activities (EPAs) for which evidence must be provided at exit are:</p> <ul style="list-style-type: none"> a) Initial management of head injury b) Initial management of burns c) Management of breast lumps d) Management of colorectal cancer e) Management of acute limb ischaemia f) Management of obstruction of urogenital tract (Lower tract) g) Management of obstruction of urogenital tract (Upper tract) h) Surgical management of inguinal hernia i) Manage the patients who require colonoscopy <table border="1" data-bbox="580 1861 1362 2168"> <tr> <td colspan="2" data-bbox="580 1861 1362 1973">Upon completion of the training, the trainees should be able to perform</td> </tr> <tr> <td colspan="2" data-bbox="580 1973 1362 2047">OPERATIVE PROCEDURES</td> </tr> <tr> <td data-bbox="580 2047 695 2168">1</td> <td data-bbox="695 2047 1362 2168">Thyroidectomy - Hemithyroidectomy & Total Thyroidectomy</td> </tr> </table>	Upon completion of the training, the trainees should be able to perform		OPERATIVE PROCEDURES		1	Thyroidectomy - Hemithyroidectomy & Total Thyroidectomy
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	2	Wide Local Excision
	3	Mastectomy + Axillary clearance
	4	Perforated Gastric Ulcer (PGU) repair
	5	Laparoscopic appendicectomy
	6	Small bowel resection & anastomosis
	7	Colectomy
	8	Colostomy / ileostomy
	9	Surgery for simple fistula in ano
	10	Open cholecystectomy
	11	Laparoscopic cholecystectomy
	12	Splenectomy
	13	Laparotomy for trauma
	14	Laparotomy for Upper gastrointestinal (GI) Bleeding
	ENDOSCOPIC PROCEDURES	
	1	Diagnostic Oesophago-gastro-duodeno-scope (OGDS)
	2	Diagnostic Colonoscopy
	3	Endoscopic Management of GI bleeding

***Note : These criteria represent the minimum standards. Each educational programme provider may exercise their autonomy to state criteria above and beyond these minimum standards.**

**Specialty-Specific Minimum Requirements (Items 4-7) for
Training Centres (Based on Areas 3-6 of Malaysian
Standards for Medical Specialist Training) -**

General Surgery

Item no	Specialty-Specific Requirements (Reference standard)	Criteria						
4	Trainer-to-trainee ratio (Standard 3.1.3)	1:4						
5	Minimum qualifications and experience of trainers (Standard 4.1.2)	i. Registered with National Specialist Register ii. Completed training-of-trainer course/equivalent						
6	Minimum requirements for educational resource (Standard 5.1.1)	The diagnostic facilities and equipment requirement of the programme training centres must collectively be able to accommodate the following minimum requirement: i. Services <table border="1" data-bbox="847 1563 1406 2130"> <thead> <tr> <th data-bbox="847 1563 1406 1630">Services</th> </tr> </thead> <tbody> <tr> <td data-bbox="847 1630 1406 1839">Surgery (General Surgery, Neurosurgery, Urology, Cardiothoracic Surgery, Plastics and Reconstructive Surgery, Paediatric Surgery)</td> </tr> <tr> <td data-bbox="847 1839 1406 1910">Internal Medicine</td> </tr> <tr> <td data-bbox="847 1910 1406 1989">Paediatrics</td> </tr> <tr> <td data-bbox="847 1989 1406 2063">Obstetrics and Gynaecology</td> </tr> <tr> <td data-bbox="847 2063 1406 2130">Emergency Medicine</td> </tr> </tbody> </table>	Services	Surgery (General Surgery, Neurosurgery, Urology, Cardiothoracic Surgery, Plastics and Reconstructive Surgery, Paediatric Surgery)	Internal Medicine	Paediatrics	Obstetrics and Gynaecology	Emergency Medicine
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Internal Medicine								
Paediatrics								
Obstetrics and Gynaecology								
Emergency Medicine								

Orthopaedics
Anaesthesia and Critical Care
Diagnostic, therapeutic and support services related to surgical care
Nursing and physiotherapy (general and critical care)

ii. Equipment

Equipment	Minimum Quantity
Imaging equipment (radiography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), interventional radiology)	1
Endoscopy (OGDS, colonoscopy, Endoscopic Retrograde Cholangiopancreatography (ERCP), bronchoscopy)	1
OT equipment for the relevant specialties, pathology equipment (for Histopathological Examination (HPE), frozen sections, microbiology)	1

		<p>iii. Case Mix and Case Load</p> <p>The case load of the programme training centres must collectively be able to accommodate the following minimum requirements:</p> <table border="1"> <thead> <tr> <th>Areas</th> <th>Quantity (surgeries/trainee/year)</th> </tr> </thead> <tbody> <tr> <td>Clinic cases</td> <td>400</td> </tr> <tr> <td>Surgical admissions</td> <td>100</td> </tr> <tr> <td>Major elective and emergency general surgical operations</td> <td>50</td> </tr> </tbody> </table>	Areas	Quantity (surgeries/trainee/year)	Clinic cases	400	Surgical admissions	100	Major elective and emergency general surgical operations	50
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7	<p>Minimum qualifications and experience of Head of Programme</p> <p>(Standard 6.2.2)</p>	<p>i. 5 years of working experience after national specialist registration.</p> <p>ii. Experience in administration and/or academic management.</p>								

***Note: These criteria represent the minimum standards. Each educational programme provider may exercise their autonomy to state criteria above and beyond these minimum standards.**

ACKNOWLEDGEMENT

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