



MALAYSIAN MEDICAL COUNCIL

SPECIALTY-SPECIFIC REQUIREMENTS (SSR)

(PLASTIC SURGERY)

Prepared By:

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

Approved by the Malaysian Medical Council:

20th June 2023

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) - Plastic Surgery								
Specialty-Specific Requirements (Reference standard)	Criteria							
1) Minimum entry requirements for postgraduate training (Standard 3.1.)	<ul style="list-style-type: none"> 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 to 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 (Standard 1.2.4 - Table 3 & Table 4) Training overview	The program should have a clear pathway encompassing phases of training which shall include the basic and advanced components in plastic surgery.							
Training rotation and case mix	<table border="1"> <thead> <tr> <th>Areas</th> <th>Details</th> <th>Months</th> </tr> </thead> <tbody> <tr> <td>General surgery and basic plastic surgery</td> <td> <p><i>1. PRINCIPLES OF SURGERY</i></p> <p>Relevant Basic Sciences Knowledge on:</p> <ul style="list-style-type: none"> a) Anatomy b) Physiology c) Pathology </td> <td>12</td> </tr> </tbody> </table>	Areas	Details	Months	General surgery and basic plastic surgery	<p><i>1. PRINCIPLES OF SURGERY</i></p> <p>Relevant Basic Sciences Knowledge on:</p> <ul style="list-style-type: none"> a) Anatomy b) Physiology c) Pathology 	12	
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		<p>The stress is more towards the understanding of basic processes and the applications to surgery.</p> <p>a) Principles</p> <p>b)Pre-operative Assessment and Management</p> <p>c) Theatre Techniques</p> <p>d) Aseptic techniques and sterilization.</p> <p>e)Anaesthesia in general, maintenance of homeostasis</p> <p>f)Basic surgical techniques: suturing and suture materials, dressing, plasters.</p> <p>g) Diathermy</p> <p>h) Tourniquet.</p> <p>i) Haemorrhage shock, burns</p> <p>j) Fluids electrolyte Balance</p> <p>k) Post-operative Complications</p> <p>l) Sepsis in Surgery</p> <p>m) Acute and chronic inflammation</p> <p>n) Wound infections, Septicaemia</p> <p>o) Antiseptics</p> <p>p) Antibiotic policies</p> <p>q) Intensive Care</p> <p>r) Surgical nutrition</p> <p>s) Surgical Haematology and transfusion practice.</p> <p><i>2. BASIC PLASTIC SURGERY</i></p> <p>a)Introduction to plastic surgery (including its scope)</p> <p>b) Basic surgical skills</p> <p>c) Basic principle of Plastic Surgery</p> <p>d) Wound healing and scar</p> <p>e) Anatomical basis of flaps</p> <p>f)Tissue transplantation and biomaterial</p> <p>g)Psychological Understanding and Management of the Plastic surgery patient.</p> <p>h) Basic Medico-legal Principles In Plastic Surgery</p>	
	<p>Training in plastic surgery</p>	<ul style="list-style-type: none"> • Skin and soft tissue conditions • Wound and scar management • Reconstructive surgery • Burns care • Congenital deformities • Vascular anomalies • Neoplastic conditions • Trauma • Maxillofacial surgery • Head & Neck Surgery 	<p>36</p>

	<ul style="list-style-type: none"> • Microvascular surgery • Oculoplastic surgery • Hand surgery • Aesthetic surgery • Lasers and non-surgical therapy
<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 exam.
<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. Basic surgical courses iii. Basic microsurgical courses iv. Flap dissection courses v. Wound and burn care courses
<p>6) List of competencies to be acquired upon completion of training (Standard 1.1.4)</p>	<ol style="list-style-type: none"> i. Diagnose, investigate and manage plastic surgery cases pre, intra and post operatively ii. Able to anticipate and manage complications iii. Practise good ethical conduct iv. Practise good communication skills v. Perform critical review, plan and conduct scientific research <p>The areas for Entrustable Professional Activities where evidence of competency must be provided at exit are:</p> <ol style="list-style-type: none"> i. Skin and soft tissue conditions ii. Wound and scar management iii. Reconstructive surgery iv. Burns care v. Congenital deformities vi. Vascular anomalies vii. Neoplastic conditions viii. Trauma ix. Maxillofacial surgery x. Head & Neck surgery xi. Microvascular surgery

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|--|--------------------------------------|
| | xii. Oculoplastic surgery |
| | xiii. Hand surgery |
| | xiv. Lasers and non-surgical therapy |

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 for Training Centres and Head Programme (Based on Areas 3-6 of Malaysian Standards for Medical Specialist Training) - Plastic 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. Attended Training-of-Trainer course																		
6	Minimum requirements for educational resources (Standard 5.1.1)	<p>The diagnostic facilities and equipment requirement of the programme training centres must collectively be able to accommodate the following minimum requirement:</p> <p>i. Services</p> <table border="1" data-bbox="619 1205 1155 1603"> <thead> <tr> <th>Services</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Reconstructive Microsurgery</td> <td>1</td> </tr> <tr> <td>Craniofacial surgery</td> <td>1</td> </tr> <tr> <td>Burns management</td> <td>1</td> </tr> <tr> <td>Intensive care unit</td> <td>1</td> </tr> <tr> <td>Hand Surgery</td> <td>1</td> </tr> </tbody> </table> <p>ii. Equipment</p> <table border="1" data-bbox="619 1720 1123 1955"> <thead> <tr> <th>Equipment</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Microsurgery instruments Microscope</td> <td>1</td> </tr> <tr> <td>Power drill</td> <td>1</td> </tr> </tbody> </table>	Services	Quantity	Reconstructive Microsurgery	1	Craniofacial surgery	1	Burns management	1	Intensive care unit	1	Hand Surgery	1	Equipment	Quantity	Microsurgery instruments Microscope	1	Power drill	1
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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>																																								

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ACKNOWLEDGEMENT

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