



الجامعة الإسلامية العالمية ماليزيا  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA  
بُونْدُورِ سِيْتِيْ اِسْلَامْ اَبْنَارِ اِبْحْسَابِ مَلِيْسِيَا  
Garden of Knowledge and Virtue

# MASTER OF ORTHOPAEDIC SURGERY (MORTH)

CURRICULUM  
OVERVIEW



Dept. of Orthopaedics,  
Traumatology & Rehabilitation,  
Kulliyah of Medicine,  
IIUM

## **MASTER OF ORTHOPAEDIC SURGERY (MORTH)**

Are you able to think on your feet and be flexible in managing patients in emergency situations? Do you have excellent hand-eye coordination to enable you to use from the most basic to the most technologically advanced equipment? Can you see beyond the patient's injury to their recovery, rehabilitation and return to society? Do you have the ability to apply scientific theory to your practice in a rigorous and effective way?

If you have the above qualities, accompanied by passion and commitment, then Orthopaedics is for you!

### **1.0 CURRICULUM OVERVIEW**

Its curriculum forms the basis of postgraduate Orthopaedic training in Malaysia which comprises the minimum level of knowledge, skills and professionalism required by a trainee before, during and at the end of training. The minimum duration of training is four (4) years, reaching a maximum of seven (7) years for both pathways. At the conclusion of training, the trainee is expected to be able to function independently as a first day specialist, as defined by the Ministry of Health (MOH).

### **1.1 Entry Requirements**

All candidates wishing to register for the National Orthopaedic Postgraduate Training Programme require the following:

- Medical degree which is recognised by the Malaysian Medical Act 1971 (Act 50).
- Clinical experience post-full registration:
  - minimum of 6 months clinical experience as a medical officer in Orthopaedics.
  - completion of courses in Orthopaedic and surgical-related skills which are recognised by the Orthopaedic Specialty Committee (OSC), e.g. for basic fracture fixation, POP application, tendon repair, wound care etc.
- Language Requirements: International candidates must obtain the following minimum score in one of the following English proficiency tests in order to apply for the programme:
  - MUET (band = 4)
  - IELTS (band = 6)
  - TOEFL (score = 650)
- For Ministry of Health (MOH) Malaysia candidates, the following are also required:
  - A minimum of 85 marks in their Annual Performance Assessment Report (Laporan Nilai Prestasi Tahunan) for the last two consecutive years.
  - A clean disciplinary record.
  - To have their details of service confirmed by MOH.

**Additional Requirements:**

Items	Requirement
Medical Qualification recognised by the Malaysian Medical Council (MMC)	Bachelor's degree in medicine (Minimum CGPA 3)
Full registration with MMC or Medical Council of country of origin	Full registration certificate and number Malaysian applicants: Annual Practising Certificate (APC)
Post Full Registration clinical experience	<b>Minimum</b> 6 months of Orthopaedic experience
Private applicants (Malaysian and Foreign)	Fulfil requirements in terms of CGPA for Basic Medical Degree and age
International applicants	Minimum English proficiency of IELTS band 6, TOEFL score 650
Max age (years)	40
English proficiency	Local candidates: TOEFL score 550, IELTS band 6
	International candidates: TOEFL score 650, IELTS band 6

All additional entry requirements as determined by Selection for Postgraduate Orthopaedic Training Committee (SPOT)

**Special Requirement(s):**

There must be no functional impairment in terms of mobility, hearing and eyesight. Candidates should not have any known retroviral infections which can be transmitted during surgical procedures, in accordance with Malaysian Medical Council (MMC) Guidelines on Blood Borne Viral Infections (<https://mmc.gov.my/wp-content/uploads/2019/11/HIVBlood-Borne-Virus-Infections-MMC-Guideline.pdf>).

**1.2 Phases of Training**

**Early (Year 1)**

The Early phase of specialty training is designed to build upon the basic knowledge and skills learnt prior to entry. This is an important phase where the trainee working together with a trainer will build a foundation for future development. Any trainee who is struggling in this phase may be advised to leave the programme. The emphasis in this phase will be in the management of trauma patients. This may be the first time that trainees will encounter complex systems for the surgical management of fractures, therefore, instilling the ways of properly and effectively using these instruments and implants is an essential component of this early phase of specialty training. There is also an expectation and requirement during this phase that the trainee develops high levels of skills in the assessment of the patients and can

competently, safely, and efficiently manage the early care of the severely injured, young and old patients and patients with multiple co-morbidities.

Satisfactory achievement at the end of the Early Phase assessments is a key requirement for the progression to the Advanced Phase.

### **Advanced (Years 2 – 4)**

The Advanced phase of training will see trauma skills being developed further and the trainee will also begin to gain competence in elective Orthopaedics. The 3 years of this phase require the trainee to develop increasing competence in the areas of trauma and orthopaedic (T&O) practice that will be required as a newly qualified specialist in a general hospital. The final year of specialist training (Year 4) will require the trainee to show that they can reliably and safely start to develop aspects of independent practice whilst ensuring that patient management decisions are discussed fully and agreed with a senior.

### **1.3 Exit Process**

In order to be eligible to exit the programme, trainees must start gathering portfolio evidence from the first day of training right up to the last End of Year (EOY) review. At all times it is the responsibility of the trainee to gather (and keep safely) the portfolio evidence as required by the curriculum. The exit process begins with a review of the portfolio (at the last EOY) where a decision is made whether the trainee is allowed to attempt the Exit Examination. On passing the Exit Examination, a letter acknowledging the completion of training is issued and the trainee exits the programme.

## **2.0 CURRICULUM STRUCTURE**

### **2.1 Course Programme / Study Plan**

<b>YEAR OF STUDY</b>	<b>COURSE AND COURSE CODE</b>	<b>DURATION</b>	<b>LOCATION</b>
<b>Year 1</b>	<i>Orthopaedics and Traumatology I</i> <i>ORT 7259</i>	Semester 1	Ministry of Health Hospitals/ IIUM / University Hospitals
	<i>Research Methodology</i> <i>ORT 7281</i>		
	<i>Islamic Input in Orthopaedic</i> <i>ORT 7114</i>		
	<i>Orthopaedics and Traumatology II</i> <i>ORT 7279</i>	Semester 2	
	<i>Research Methodology</i> <i>ORT 7281</i>		
	<i>Islamic Input in Orthopaedic</i> <i>ORT 7114</i>		
<b>END OF YEAR 1 ASSESSMENT &amp; REVIEW BY SUB-COMMITTEE FOR ORTHOPAEDIC TRAINING (SCOT)</b>			
<b>Year 2</b>	<i>Subspecialty Posting</i> <i>ORT ****</i>	Semester 1	SASMEC @IIUM (MOH Hospital for Oncology Posting)
	<b>END OF POSTING EXAMINATION</b>		
	<i>Subspecialty Posting</i> <i>ORT ****</i>	Semester 1 & 2	
	<b>END OF POSTING EXAMINATION</b>		
	<i>Subspecialty Posting</i> <i>ORT ****</i>	Semester 2	
	<b>END OF POSTING EXAMINATION</b>		
<b>END OF YEAR 2 REVIEW BY SCOT</b>			

<b>Year 3</b>	Subspecialty Posting	ORT ****	Semester 1	SASMEC @IIUM (MOH Hospital for Oncology Posting)		
	<b>END OF POSTING EXAMINATION</b>					
	Subspecialty Posting	ORT ****	Semester 1 & 2			
	<b>END OF POSTING EXAMINATION</b>					
	Subspecialty Posting	ORT ****	Semester 2			
	<b>END OF POSTING EXAMINATION</b>					
<b>END OF YEAR 3 REVIEW BY SCOT</b>						
<b>Year 4</b>	Subspecialty Posting	ORT ****	Semester 1	SASMEC @IIUM (MOH Hospital for Oncology Posting)		
	<b>END OF POSTING EXAMINATION</b>					
	Subspecialty Posting	ORT ****	Semester 1 & 2			
	<b>END OF POSTING EXAMINATION</b>					
	<b>END OF YEAR 4 REVIEW BY SCOT</b>					
	Elective	ORT 7329	Semester 2		SASMEC @IIUM	
	Or Repeat Subspecialty Posting	ORT ****				
<b>EXIT EXAMINATION</b>						

**\* Rotation of Subspecialty posting (8 Subspecialties) during year 2, 3 & 4.**

## 2.2 Subspecialty Posting Course Code

No	Subspecialty	Course Code
1	Foot and Ankle	ORT 7349
2	Hand and Reconstructive Microsurgery	ORT 7359
3	Spine	ORT 7339
4	Advance Trauma	ORT 7319
5	Sport Surgery and Arthroscopy	ORT 7369
6	Arthroplasty and Joint Replacement Surgery	ORT 7419
7	Orthopaedic Oncology	ORT 7439
8	Paediatric Orthopaedics	ORT 7429

