

**LIST OF PROCEDURES AND  
CASES FOR ASSESSMENT OF  
HOUSE OFFICER**

**02**

# **ORTHOPEDIC**

**HOUSE OFFICER UNIT  
MEDICAL DEVELOPMENT DIVISION  
MALAYSIA MINISTRY OF HEALTH**

## Component A

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<b>List Of Procedures For Component A</b>	
<b>Subcomponent</b>	<b>Procedures</b>
Performed Procedures	<ol style="list-style-type: none"> <li>1. Dressing and desloughing.</li> <li>2. Application of Plaster of Paris (POP).</li> <li>3. Splitting of Plaster of Paris (POP).</li> <li>4. Excision biopsy.</li> <li>5. Application of tourniquet.</li> <li>6. Application of skin and skeletal traction.</li> <li>7. Toilet and suturing.</li> </ol>
Assisted Procedures	<ol style="list-style-type: none"> <li>1. External fixation</li> <li>2. K-wiring</li> <li>3. Trigger finger/ carpal tunnel release</li> <li>4. Debridement</li> <li>5. Regional blocks (digital /wrist/ankle)</li> </ol>
Observed Procedures	<ol style="list-style-type: none"> <li>1. Major amputations</li> <li>2. Internal fixation (Plate/Interlocking Nail)</li> <li>3. Complex Internal fixation (PFN, recon nail, locking plate, illizarov)</li> <li>4. Reduction of fractures/dislocations</li> </ol>

## Component B

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### List Of CME Topics For Component B (Attendance / Presentation)

1. Principle of Management For Fracture And Dislocation
2. Open Fracture With Vascular Injury Sepsis And Septic Shock
3. Principle of Fracture Management In Children
  - 3.1. Salter-Harris
  - 3.2. Supracondylar Humerus
  - 3.3. Non-accidental Injury
4. Necrotizing Fasciitis
5. Septic Arthritis
6. Osteomyelitis
7. Abscess
8. Pelvic Injury
9. Spinal Cord Injury and Cauda Equina Syndrome
10. Vertebral Fracture (traumatic/pathological)
11. Metabolic Bone Disease
  - 11.1. Tumour
  - 11.2. Metastasis
  - 11.3. Osteoporosis
12. Approach To Back Pain In Adult
13. Arthritis:
  - 13.1. Osteoarthritis
  - 13.2. Rheumatoid Arthritis
  - 13.3. Gouty Arthritis
14. Office Orthopedics:
  - 14.1. Carpal Tunnel Syndrome
  - 14.2. Trigger Finger
  - 14.3. Tennis Elbow
  - 14.4. Plantar Fasciitis
15. Sports Injury: Physical Examinations and Acute Management

## Component C

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Subcomponent	Procedures/cases
<b>DOPS</b>	<ol style="list-style-type: none"> <li>1. Application and removal of Plaster of Paris (POP)</li> <li>2. Toe and Partial Foot Amputation</li> <li>3. Removal of external fixator</li> <li>4. X-ray evaluation</li> <li>5. Consent taking</li> </ol>
<b>Mini-CEX</b>	<ol style="list-style-type: none"> <li>1. Joint examination – wrist, hip, knee and ankle</li> <li>2. Diabetic foot examination</li> <li>3. Lump and bump orthopedic examination</li> <li>4. Gait assessment</li> </ol>
<b>CBD</b>	<ol style="list-style-type: none"> <li>1. Long bone fracture</li> <li>2. Backpain</li> <li>3. Foot deformity</li> <li>4. Joint pain</li> <li>5. Limb swelling (Upper limb/ lower limb)</li> </ol>

## Component D

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### Domain 1 : Clinical Practice

<b>Name of Assessor</b>	:	
<b>Designation</b>	:	
<b>Date of assessment</b>	:	

NO.	ASPECT	DESCRIPTION	POINTS & GUIDANCE	
1.	Patient Safety	The candidate places the needs and safety of patients at the center of the care process. The candidate also demonstrates safety skills including effective clinical handover, graded assertiveness, delegation and escalation, infection control, and adverse event reporting.	5	Demonstrates <b>all</b> aspects of safe patient care at all times.
			4	Demonstrates <b>most</b> aspects of safe patient care at all times.
			3	Demonstrates <b>some</b> aspects of safe patient care at all times.
			2	Demonstrates safe patient care after being reprimanded once and without the presence of a major critical event that may lead to patient morbidity or mortality.
			1	Demonstrates safe patient care after being reprimanded more than once with/without the presence of a major critical event that may lead to patient morbidity or mortality.
			0	Demonstrates <b>unsafe</b> patient care at all times. / <b>Not observed.</b>

2.	Communication	The candidate communicates with patients, their families or caretakers, doctors, and other health professionals in a clear, sensitive, and effective manner.	5	Communicates effectively in <b>all</b> routine and difficult situations.
			4	Communicates effectively in <b>all routines</b> and <b>some difficult</b> situations.
			3	Communicates effectively in <b>most</b> routine situations.
			2	Communicates effectively in routine situations but <b>requires assistance</b> .
			1	Does not communicate effectively in routine situations even after assistance.
			0	Does not communicate at all. / Not observed.
3.	Investigation	The candidate arranges common, relevant, and cost-effective investigations, and interprets their results accurately.	5	Identifies and arranges appropriate investigations and interprets investigations accurately and is <b>able to anticipate further investigations needed</b> .
			4	Identifies and arranges appropriate investigations and interprets investigations accurately.
			3	Arranges appropriate investigations and <b>require some guidance on interpretation</b> .
			2	Arranges appropriate investigations and <b>always require guidance on interpretation</b> .
			1	Frequently arranges <b>inappropriate investigations</b> OR <b>frequently interprets incorrectly</b> .
			0	Unable to arrange appropriate investigations or interpret correctly at all. / Not observed.

4.	Patient assessment and management	The candidate performs a patient assessment that includes a problem-oriented medical history and a relevant physical examination, as well as a valid differential diagnosis. The candidate also makes evidence-based management decisions in patient treatment.	5	Perform focused patient assessment and able to apply protocols and guidelines for <b>all</b> routine and complex patients.
			4	Perform focused patient assessment and able to apply protocols and guidelines for <b>all routine patients</b> and <b>some complex patients</b> .
			3	Perform focused patient assessment and able to apply protocols and guidelines for <b>all routine patients only</b> but <b>not for complex patients</b> .
			2	Perform focused patient assessment and able to apply protocols and guidelines for <b>most of the routine patients</b> and <b>not for complex patients</b> .
			1	Perform focused patient assessment and able to apply protocols and guidelines for <b>some of the routine patients</b> and <b>not for complex patients</b> .
			0	<b>Unable</b> to apply evidence, protocols, and guidelines in patient management at all. / Not observed.
5.	Prescribing and administering medication	The candidate prescribes and administers medications safely, effectively, and economically.	5	Consistently prescribes and administers medication safely with adherence to all relevant protocols.
			4	Prescribes and administers medications safely and adheres to relevant protocols in most situations and seeks assistance when needed.
			3	Prescribes and administers medications safely and adheres to relevant protocols in most situations and <b>frequently need assistance</b> .
			2	Makes prescription error and/or medication administration error <b>once</b> during the posting but <b>not causing patient morbidity or mortality</b> .

			1	Makes prescription errors and/or medication administration errors <b>more than once</b> during the posting but <b>not causing patient morbidity or mortality.</b>
			0	<b>Makes prescription errors and/or medication administration errors (once or more)</b> during the posting and <b>causing patient morbidity or mortality. / Not observed.</b>
6.	Emergency care	The candidate recognizes and assesses deteriorating and critically unwell patients who require immediate care. The candidate also performs basic emergency and life support procedures, including caring for the unconscious patient and performing cardiopulmonary resuscitation.	5	Able to identify deteriorating or critically unwell patients, initiate management, seek appropriate help, <b>AND actively anticipate additional measures needed.</b>
			4	Able to identify deteriorating or critically unwell patients, initiate basic management, and seeks appropriate help.
			3	Able to identify deteriorating or critically unwell patients and able to initiate basic management but <b>does not seeks appropriate help.</b>
			2	Able to identify deteriorating or critically unwell patients <b>but unable to initiate basic management. However, the candidate seeks for help.</b>
			1	Able to identify deteriorating or critically unwell patients <b>but unable to initiate basic management and the candidate does not seek for help.</b>
			0	Not able to identify deteriorating or critically unwell patients / Unable to initiate basic management correctly and does not seek appropriate help. / Not observed
			<b>Total points obtained for Domain 1:</b>	
<b>Assessor's comment</b>				

**Domain 2: Professionalism And Leadership**

<b>Name of Assessor</b>	:	(Must be the same assessor of Domain 1)
<b>Designation</b>	:	(Must be the same assessor of Domain 1)
<b>Date of assessment</b>	:	

NO.	ASPECT	DESCRIPTION	POINTS					
			NOT OBSERVED	VERY WEAK	WEAK	AVERAGE	GOOD	EXCELLENT
1.	Professionalism	Provide care to all patients in accordance with Good Medical Practice, and demonstrate ethical behaviors and professional values including integrity, compassion, empathy, and respect for all patients, society, and the profession.	0	1	2	3	4	5
2.	Self-management	Optimize their personal health and well-being, including responding to fatigue, managing stress, and adhering to infection control to mitigate health risks of professional practice.	0	1	2	3	4	5
3.	Self-education	Self-evaluate their professional practice, demonstrate lifelong learning behaviors, and participate in educating colleagues.	0	1	2	3	4	5

4.	Clinical responsibility	Take increasing responsibility for patient care while recognizing the limits of their own expertise and involving other professionals as needed to contribute to patient care.	0	1	2	3	4	5
5.	Teamwork	Respect the roles and expertise of other healthcare professionals, learn and work effectively as a member or leader of an inter-professional team, and make appropriate referrals.	0	1	2	3	4	5
6.	Time management	Effectively manage time and workload demands, be punctual and show the ability to prioritize workload to manage patient outcomes and health service functions.	0	1	2	3	4	5
<b>Total points obtained for Domain 2:</b>			<b>___ / 30</b>					
<b>Assessor's comment</b>								