

## APPENDIX B: SPECIALTIES MINIMUM REQUIREMENTS

### 1. DENTAL PUBLIC HEALTH

No.	Essential dental public health function	Minimum Requirement*
1.	Health situation monitoring and analysis of the population's health and well-being	At least ONE (1) of the above activities
2.	Epidemiological surveillance and management, analysis and interpretation of health and health-related data using information and communication technology (ICT) and disease prevention & control	At least TWO (2) of the above activities
3.	Development of policies and planning in public health or planning of a dental public health curriculum, and implementation, monitoring and evaluation of the public oral health programme and services or review of dental public health curriculum	At least ONE (1) of the above activities
4.	Strategic management and leadership of the health system for oral health and well-being across sectors	At least ONE (1) of the above activities
5.	Regulation & enforcement to protect the health of the public and their ethical relevance within the Malaysian legal framework	At least ONE (1) of the above activities
6.	Human resource planning and development, including the ethical management of self, people, resources and practice	ONE (1) of each the activities
7.	Health promotion and social responsibilities towards protection of population oral health and well-being	At least TWO (2) of the above activities
8.	Ensuring the quality of health services to maintain and improve standards for oral health	At least ONE (1) of the above activities
9.	Research and development & implementation of innovative public health strategies	Involved in FIRST activity and at least ONE (1) of the other activities

10.	Clinical dental prevention	Activity 1: At least ONE (1) activity  Activity 2: At least TEN (10) patients  Activity 3: At least TEN (10) patients  Activity 4: At least THREE (3) patients
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\*Note: For details information of activities please refer to the Logbook

## 2. ENDODONTICS

The candidate must complete at least a total of 60 teeth, of which must include the following treatment:

<b>Endodontic treatment of 100 teeth consisting of:</b>	<b>Minimum Requirements</b>
1. Moderate to high complexity non-surgical root canal treatment/retreatment	<ul style="list-style-type: none"> <li>● 50 teeth (25 completed up to obturation)</li> </ul>
2. Surgical endodontics	<ul style="list-style-type: none"> <li>● 10 cases</li> </ul>
3. Management of traumatised teeth, including emergency cases	
4. Management for non-vital immature teeth	
5. Restoration of endodontically treated teeth including bleaching, post core, simple crowns/bridges	
6. Interdisciplinary endodontic, which may include: <ul style="list-style-type: none"> <li>● Replacement of poorly restorable teeth</li> <li>● Endodontically-related measures in connection with crown lengthening and forced eruption procedures</li> <li>● Reimplantation</li> <li>● Management of endo-perio cases</li> <li>● Regenerative endodontics</li> </ul>	

### 3. FORENSIC ODONTOLOGY

#### A. Core Clinical Competencies

No.	Scope of procedures:	Minimum Requirements (Number of Case)
1	Identification through Dentition – Dental ‘Fingerprinting’	5 Cases
2	Age Estimation for Living Individuals	5 Cases
3	Age Estimation for Deceased Individuals	5 Cases
4	Bite Marks Injury Analysis	3 Cases
5	Management of One Stop Crisis Centre (Physical/ Sexual Abuse/Assault)	5 Cases
6	Craniofacial Injuries (hard and soft tissue)	3 Cases
7	Dental Autopsy	1 Case
8	Anthropology Profiling	3 Cases
9	Facial Superimposition	Optional
10	Craniofacial Reconstruction	Optional
11	Disaster Victim Identification (DVI)	Optional
12	Dental Malpractice and Fraud Cases	Optional
13	Preparation of Exhibits	Optional

#### B. Other Activities

No	Types	Minimum Requirement
1	Lectures/Presentations at Meetings/Conferences	2 times
2	Journal Club Activities	6 times
3	Clinical Case Discussions	4 times
4	Court Attendance as Observer	10 times
5	Mock DVI	1 time

\*Note: these are the requirements for two years SEAP

#### 4. ORAL AND MAXILLOFACIAL RADIOLOGY

<b>A. CORE CLINICAL COMPETENCY</b>	
<b>PROCEDURE</b>	<b>MINIMUM REQUIREMENTS</b>
Intraoral Radiographic Techniques and Interpretation	60 cases
Panoramic Radiography Techniques and Interpretation	50 cases
Skull Radiographic Techniques and Interpretation	25 cases
Cone Beam CT Techniques and Interpretation	25 cases
MSCT Techniques and Interpretation	5 cases
Magnetic Resonance Imaging Interpretation	5 cases
Ultrasound Techniques and Interpretation	5 cases
Radioisotope Imaging (Nuclear Medicine) Interpretation	2 cases

<b>B. TRAINING ACTIVITIES</b>	
<b>TYPES</b>	<b>MINIMUM REQUIREMENTS</b>
Lecture/Presentation	5
Journal Club/Seminar/CDE/ Conference	5
Clinical Pre and Post Op Case Discussion (Multi-discipline Combine Clinics)	5

Remark: these are the requirements for two years SEAP

## 5. ORAL AND MAXILLOFACIAL SURGERY

The applicant MUST complete the minimum clinical requirements for oral and maxillofacial surgery procedures as listed below:-

	<b>SCOPE OF OMFS</b>	<b>MINIMUM CLINICAL REQUIREMENTS (ASSISTED OR PERFORMED)</b>
1	Dentoalveolar surgery	30
2	Maxillofacial trauma: Reduction and Fixation of bone fractures: Open reduction Closed reduction Soft Tissue Injuries	 5 5 10
3	Management of Cranio-Facial anomalies	5
4	Management of oral and maxillofacial tumors	5
5	Management of Dental Implants (case completion)	5
6	Oral and Maxillofacial Infections	5
7	Management of Oro Facial Pain	10
8	Multidisciplinary management of medically compromised patients	15

The applicant must be monitored periodically throughout the attachment period.

## 6. ORAL PATHOLOGY AND ORAL MEDICINE

### I - Oral Pathology - mono specialty

*-This section will be updated in due course following further review.*

### II - Oral Medicine (OM)- mono specialty

#### i. Examination and diagnosis, and management of core OM cases

<b>Case Category</b>	<b>Expected Minimum Number of Cases</b>
Oral mucosal diseases	15
Orofacial pain and temporomandibular disorders	10
Medically related disorders / hospital based	6
Salivary gland diseases	6
Orofacial infectious diseases	4

#### ii. Management of complex OM cases

A detailed case write-up must be documented and submitted for OM patients who have been assessed and managed, and must comprise at least one (1) case in each of the categories listed below:

- Oral mucosal diseases
- Orofacial pain and temporomandibular disorders
- Medically related disorders
- Salivary gland disorders
- Orofacial infectious disease

The cases may be selected from the list of cases in II(i). They should involve conditions requiring comprehensive evaluation, diagnosis, and treatment planning, with follow-up documentation of outcomes.

### III - Oral Pathology and Oral Medicine

#### A. Oral Pathology (OP)

Minimum requirements for reporting of OP cases

<b>Case Category</b>	<b>Expected Minimum Number of Cases</b>
Odontogenic cysts & tumours (including pulp and periapical pathology)	10
Non-odontogenic cysts and bone lesions	5
Epithelial pathology	5
Soft tissue lesions (including mesenchymal and salivary gland)	5

#### B. Oral Medicine (OM)

i. Examination and diagnosis, and management of core OM cases

<b>Case Category</b>	<b>Expected Minimum Number of Cases</b>
Oral mucosal diseases	15
Orofacial pain and temporomandibular disorders	10
Medically related disorders	4
Salivary gland diseases	4
Orofacial infectious diseases	2

ii. Management of complex OM cases

A detailed case write-up must be documented and submitted for OM patients who have been assessed and managed, and must comprise at least one (1) case in each of the categories listed below:

- Oral mucosal diseases
- Orofacial pain and temporomandibular disorders
- Medically related disorders
- Salivary gland disorders
- Orofacial infectious disease

The cases may be selected from the list of cases in B(i). They should involve conditions requiring comprehensive evaluation, diagnosis, and treatment planning, with follow-up documentation of outcomes.

## 7. ORTHODONTICS

<b>A. CLINICAL CORE COMPETENCY</b>	
<b>PROCEDURE</b>	<b>MINIMUM REQUIREMENTS</b>
Fixed Appliances <ul style="list-style-type: none"> <li>● Full Examination &amp; diagnosis</li> <li>● Treatment planning</li> <li>● Progressive treatment management</li> </ul>	20 cases (80% of cases with IOTN of 3 and above) Class I – min 4 cases Class II/1 OR Class II/2 – min 4 cases Class III – min 2 cases
Adjunct Anchorage Devices (e.g. TPA/Nance/TADs)	3 cases
Removable Appliances (Including Functional Appliances)	1 case
Multidisciplinary Cases	3 cases
Removable Retainer	2 cases
Fixed Retainer	1 case
Combined Cleft Lip And Palate Clinic/Discussion	Attend 1 session
Combined Orthognathic Surgery Clinic/Discussion	Attend 1 session

<b>B. CONTINUOUS ORTHODONTICS DEVELOPMENT ACTIVITIES</b>	
<b>TYPES</b>	<b>MINIMUM REQUIREMENTS</b>
Presentation at scientific conference	1
Journal club activities/ attendance at seminars/ CDE/ conferences	2

## 8. PAEDIATRIC DENTISTRY

Minimum Clinical Experience (MCE):

No	Treatment Procedures	No. of expected (cases/patients)
1	Comprehensive Dental Care (CDC)	Three (3) cases of CDC carried out on healthy patients  Two (2) cases of CDC carried out on medically compromised or special needs children
2	Pharmacological behaviour management (conscious sedation)	Two (2) clinical experiences as part of the integrated clinical management of patients
3	Dental treatment carried out under general anaesthesia	Three (3) cases as the main operator
4	Traumatic dental injury	Two (2) cases, moderate to difficult complexity
5	Pulp therapy for either primary or young permanent dentition	Three (3) cases
6	Interceptive orthodontics in developing dentition	Two (2) cases of interceptive orthodontics
7	Dentoalveolar surgery	Two (2) cases
8	Dental developmental disorders or anomalies	Two (2) cases
9	Nonsurgical management of jaw bone fractures/ Management of oral and perioral soft tissue trauma	Three (3) cases
10	Admission, consenting and discharge of patients	Six (6) cases

Note: the above MCE requirement is for a one-year clinical attachment. The numbers will be doubled if an applicant needs to undergo a two-year clinical attachment.

## 9. PERIODONTICS

	Scope of Procedures	Minimal Clinical Requirements
1	Periodontitis (high complexity - cases Stage III and IV) treatment (management of the case up to Supportive Periodontal Therapy)  2 Multidisciplinary cases (Perio/Restorative/Prosto/Endo/OMFS)	8 cases
2	Implant placement	2 implant cases
3	Management of Peri-implantitis	2 cases
4	Hard Tissue Ridge Preservation <ul style="list-style-type: none"> <li>● ARP</li> <li>● GBR</li> <li>● Lateral Sinus Lift</li> </ul>	2 cases (any of the procedures)
5	Mucogingival/ Periodontal Plastic Surgery <ul style="list-style-type: none"> <li>● Gingivectomy</li> <li>● Crown Lengthening</li> <li>● Root Coverage</li> <li>● Soft Tissue Ridge Augmentation</li> <li>● Frenectomy</li> </ul>	5 cases (mixture of any of the procedures)
6	Advanced Periodontal Surgical Procedures <ul style="list-style-type: none"> <li>● Regenerative Surgery (Bone substitutes/GTR/Emdogain/Growth Factors)</li> </ul>	2 cases
7	Basic Periodontal Surgical Procedures	5 cases
Open Flap Debridement / Resective Surgery		
8	Optional: Furcation management	1 case

## 10. PROSTHODONTICS

The following case scenarios will be used to assess: **theoretical knowledge** and **management of clinical and laboratory procedures** during the SEAP.

BIL	A. CASE DISCUSSION REQUIREMENT	ASSESSMENT
1	Full Mouth Rehabilitation by means of fixed prostheses on natural dentition with/without dental implant.	Formative/ Summative
2	Multiple fixed prostheses on natural dentition conventional bridge, Implant bridge	
3.	Removable prosthesis in challenging edentulous demands/tissues/ conditions, such as: <ul style="list-style-type: none"> <li>● implant supported denture</li> <li>● suction effective/enhanced/modified mandibular denture</li> <li>● fibrous degeneration ridge/ hyperplastic tissue</li> <li>● atrophic ridge</li> <li>● mandibular defect</li> </ul>	
4.	Obturator or maxillofacial prostheses	
5.	Cast Partial Denture: <ul style="list-style-type: none"> <li>- Design for all classifications</li> </ul>	
6.	Multidisciplinary case (combination with endodontics/ periodontics/ orthodontics/ oral and maxillofacial surgery)	
	B. CLINICAL CASE REQUIREMENT	ASSESSMENT
1.	Multiple fixed prostheses	Logbook
2.	Combination of fixed and removable prostheses	
3.	Cast Partial Denture	

## 11. RESTORATIVE DENTISTRY

	SCOPE OF PROCEDURE	MINIMUM REQUIREMENTS
1.	<p><b>Core competency 1:</b> Management of multidisciplinary cases of moderate to high complexity:</p> <p>(i) toothwear and/or missing teeth and/or hypodontia or developmental anomaly requiring fixed, removable, implant or combination. *1 case must include an occlusal rehab.</p> <p>(ii) Medically compromised patients for example post radiotherapy cases, patients on anticoagulant therapy, and immunocompromised individuals.</p>	<p style="text-align: center;"><b>3</b></p> <p><b>* Treatment plan and on-going management.</b></p>
<ul style="list-style-type: none"> <li>• <b>The cases for the following core competencies may or may not overlap with Core Competency 1.</b></li> <li>• <b>All procedures must represent moderate to high levels of clinical complexity, appropriate for specialist-level restorative dental practice.</b></li> </ul>		
2.	<p><b>Core competency 2:</b> Replacement of missing teeth, for example any of those listed below:</p> <p>a. Adhesive bridge b. Conventional bridges (fixed-fixed, fixed-movable, Cantilever) c. Co-Cr Partial dentures</p>	<p style="text-align: center;"><b>4</b></p> <p><b>*Two (2) of these cases must include Co-Cr partial dentures</b></p>
3.	<p><b>Core Competency 3:</b> Crowns which include at least one of each:</p> <p>a. Porcelain-fused-to-metal b. All-ceramic / Full Metal c. Onlay / Inlay d. Veneers</p>	<p style="text-align: center;"><b>5</b></p>
4.	<p><b>Core Competency 4:</b> Root Canal Therapy including vital pulp therapy and regenerative endodontics.</p>	<p style="text-align: center;"><b>3</b></p>
5.	<p><b>Core Competency 5:</b> Periodontal Therapy requiring nonsurgical and/or surgical management.</p>	<p style="text-align: center;"><b>3</b></p>

Refer to complexity of Restorative cases as listed in the latest Program Standard – Dental Specialties, Malaysian Dental Council.

## **12. SPECIAL CARE DENTISTRY**

### Minimum Requirement

- a. One (1) case for each of the following groups detailing the comprehensive management of a patient in relation to:
  - Physical disabilities
  - Intellectual disabilities
  - Complex medical problems
  - Psychiatric and/or geriatric conditions
- b. Two (2) cases requiring comprehensive dental treatment under general anaesthesia;
- c. Two (2) patients requiring treatment under conscious sedation (Inhalation/Oral/Intravenous)
- d. Submission of four (4) case reports/portfolios