SPECIALIST ACCREDITATION IN ENDODONTICS

Basic Specialist Qualifications
Hold a 3 year basic specialist qualification, MDS (Endodontics) or its equivalent that is recognised by the Dental Specialists Accreditation Board.

Basic Specialist Training
Duration
Three (3) years formal, full time residency/postgraduate programme in Endodontics, with clinical training.

Contents
The contents of the programme to include, but not limited to, the following components:

Biomedical Sciences
- Head and neck anatomy
- Oral Embryology and Histology
- Physiology and Pathophysiology
- Microbiology and Immunology
- Oral Medicine and Oral Pathology
- Applied Pharmacology and Biochemistry
- Research Methodology and Scientific Writing
- Biostatistics
- Behavioural Science
- Science of Biomaterials

Endodontic Course

Didactic
- Pathogenesis and aetiology of Endodontic diseases
- Diagnosis and evaluation of Teeth with pathoses
- Principles of Endodontic Treatment (Surgical and non-surgical approaches and retreatment)
- Prognosis of Endodontic treatment
- Management of trauma and traumatic injuries to teeth
- Vital pulp therapy
- Root end closure procedures
- Bleaching of discoloured non-vital teeth
- Management of Medically compromised patients
- Management and differential diagnosis of Orofacial pain and pain referred to the orofacial region
- Interdisciplinary relationships – Endo/Perio, Endo/Ortho, Endo/Surgery and Endo/Prosthodontic management
- Intentional replantation and transplantation of teeth
- Implants

Clinical
- Assessment of restorability of teeth
- Diagnosis and treatment planning
• Endodontic treatment (non-surgical and surgical)
• Management of endodontic emergencies
• Management of endodontic treatment complications
• Management of root resorption
• Evaluation of endodontically treated teeth
• Management of immature teeth
• Management of endodontically treated teeth with interdisciplinary relationship
• Restorations of endodontically treated teeth
• Use of microscopy in endodontic treatment and surgery

Research
• Completion and successful defence of a dissertation based on a research project completed in the duration of training.

Advanced Training
Completion of advanced specialty training shall be considered after at least two years of full-time practice in Endodontics following completion of basic specialty training.

Certification of Specialist Status
The Endodontics Assessment Committee will assess the candidate’s understanding of diagnosis and treatment planning over a wide range of problems in Endodontics together with his/her expertise in treating and managing the cases.

The assessment shall consist of three components:
(a) Case presentations – submission of 15 cases showing a wide range of endodontic expertise, details of which are attached in Annex A.

(b) Examination of log book – a total of 900 units of endodontic treatment completed after leaving basic specialty training programme, details of which are attached in Annex B.

(c) Exit Interview (Annex C)

Candidates re-applying for specialist accreditation after an unsuccessful assessment will be subjected to reassessment conditions specified by the assessment committee.
Case Presentation

The candidate shall submit fifteen (15) completed cases showing a broad spectrum of diagnostic / treatment procedures* and, demonstrating a high level of skill and expertise.

*Spectrum of cases should include the following:

- Management of Traumatic Injuries to Teeth
- Vital Pulp Therapy
- Root-End Closure Procedures
- Conventional Endodontic Therapy
- Surgical Endodontics (including Intentional Replantation, Transplantation)
- Endodontic Emergency Management
- Management of Endodontic Complication
- Management of Resorption
- Restorations of Endodontically Treated Teeth
- Bleaching of Discoloured Teeth
- Interdisciplinary Relationship–Endo/Perio, Endo/Prosth, Endo/Ortho
- Management of Medically Compromised Patients
- Alternative Treatment Modalities (Socket preservation, Implants)

Full case documentation with a minimum recall of one year is required. One (1) hard copy and five (5) softcopies should be submitted.

For the hard copy, please submit either high quality duplicate radiographs or digital printouts of radiographs and any supporting clinical pictures. Please do not submit the originals.

For the soft copies, include high resolution digitized images or digital radiographs and clinical pictures.

Case Presentation Format (Appendix I)
CASE PRESENTATION

Case Number: Candidate Number:  
Patient Age: Date Started:  
Patient Sex*: Male/ Female Date Finished:  
Procedure Category*: Date of Recall:  
Diag / Emer / Med Comp / NS RCT / RETX / S-RCT / Others  
* Delete where applicable

A. Tooth # (FDI notation):

B. CHIEF COMPLAINT:

C. MEDICAL HISTORY:

D. DENTAL HISTORY:

E. CLINICAL EVALUATION

1. EXAMINATION

2. DIAGNOSTIC TESTS

3. RADIOGRAPHIC FINDINGS

F. PRE-TREATMENT DIAGNOSIS:
Pulpal:

Periradicular:

Others:

G. TREATMENT PLAN:
Recommended: Emergency:

      Definitive:

Alternative:

Other Treatment Needs:

H. PROGNOSIS

I. CLINICAL PROCEDURES: Treatment Record

<table>
<thead>
<tr>
<th>CANAL (M, D, B, L etc)</th>
<th>WORKING LENGTH</th>
<th>MASTER APICAL FILE SIZE (MAF)</th>
<th>OBTURATION MATERIALS</th>
<th>TECHNIQUES</th>
</tr>
</thead>
<tbody>
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J. POST-TREATMENT DIAGNOSIS (If different)

Pulpal:

Periradicular:

K. HISTOPATHOLOGIC DIAGNOSIS (If biopsied)
L. RECALLS (Last recall recorded must be a minimum of 1 year)

Date:

Date:

Date:

M. DISCUSSION
Examination of Log Book

The candidate shall compile a log book of all treatment cases showing a broad spectrum of treatment procedures as stated in Annex A. These cases must be carried out after completion of Basic Specialty Training. A total of 900 units with the appropriate recalls should be submitted on the prescribed template (Appendix 2) in both hard and soft copies. Other than when further recalls are unnecessary, reasons for not recalling patients should be stipulated in the remarks column. The log book must represent a true and accurate record of all the patients seen and treated. The log book should illustrate that the candidate has obtained a broad practical/clinical experience in procedures relevant to Endodontics as indicated in the syllabus.

The Endodontics Assessment Committee may examine and discuss the log book as part of the exit assessment.
<table>
<thead>
<tr>
<th>Patients Name / Reg No.</th>
<th>Tooth #</th>
<th>Diagnosis</th>
<th>Type / No. of Canals</th>
<th>Date of Obturation</th>
<th>Type &amp; Date of final restoration</th>
<th>Recall*</th>
<th>Remarks</th>
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<td>2 yrs</td>
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Exit Interview

The exit interview is to enable the assessment committee to gain a more thorough understanding of the candidate’s level of skill and experience. Test cases with relevant material including study casts, radiographs and photographs may be presented to the candidates for examination/assessment during this session.