

Fellowship Examination Blueprint: Periodontics

Blueprint

Competency Domain	Percentage
1. Data Gathering, Etiology, and Diagnosis	30 – 45%
2. Prognosis, Treatment Planning, and Management	30 – 45%
3. Post-Treatment Management and Maintenance	10 – 25%
4. Communication	5 – 15%

Competencies

1. Data Gathering, Etiology, and Diagnosis

- 1.1 Identify a patient's chief complaint.
- 1.2 Obtain and interpret the patient's medical, dental, and social history.
- 1.3 Perform a comprehensive periodontal examination.
- 1.4 Interpret and apply findings from clinical examinations.
- 1.5 Prescribe and interpret radiographic images.
- 1.6 Interpret histopathological results and reports.
- 1.7 Explain the etiology and pathogenesis of periodontal and peri-implant diseases and conditions, including:
 - 1.7.1 Gingivitis and gingival diseases
 - 1.7.2 Periodontitis
 - 1.7.3 Systemic diseases or conditions affecting periodontal supporting tissues
 - 1.7.4 Mucogingival deformities and conditions
 - 1.7.5 Traumatic occlusal forces
 - 1.7.6 Tooth- and prosthesis-related factors (i.e., perio-ortho and perio-endo)
 - 1.7.7 Peri-implant mucositis
 - 1.7.8 Peri-implantitis
 - 1.7.9 Peri-implant soft and hard tissue deficiencies
- 1.8 Evaluate teeth, oral hygiene, restorations, and implants.
- 1.9 Assess the biological and aesthetic quality of prostheses.
- 1.10 Recognize oral manifestations of systemic and infectious diseases.
- 1.11 Perform risk assessment considering local and systemic factors.

- 1.12 Determine if additional medical investigations (e.g., laboratory tests) are required to support the diagnosis.
- 1.13 Formulate differential diagnoses of oral conditions.
- 1.14 Formulate a diagnosis of periodontal and peri-implant diseases and conditions.
- 1.15 Refer to the general dentist, dental specialist, or another healthcare professional when appropriate.

2. Prognosis, Treatment Planning, and Management

- 2.1 Formulate and justify prognoses.
- 2.2 Establish treatment plan options for periodontic and peri-implant conditions.
- 2.3 Develop a comprehensive, patient-centred treatment plan.
- 2.4 Adapt treatment plans for patients with special healthcare needs.
- 2.5 Utilize effective local anesthetic strategies and pharmacology.
- 2.6 Administer sedation and manage associated adverse effects, including reversal where indicated.
- 2.7 Implement pharmacotherapeutics and other adjunct modalities.
- 2.8 Manage pain (intra-op and post-op).
- 2.9 Select appropriate materials, equipment, and techniques for non-surgical, surgical, and dental implant therapies.
- 2.10 Perform non-surgical therapy for periodontal and peri-implant diseases and conditions, including:
 - 2.10.1 Plaque control
 - 2.10.2 Scaling and root planing
 - 2.10.3 Occlusal therapy
 - 2.10.4 Local and systemic adjunctive therapy
 - 2.10.5 Sub-gingival irrigation
 - 2.10.6 Laser therapy
 - 2.10.7 Limited orthodontic therapy
- 2.11 Perform surgical therapy for periodontal and peri-implant diseases and conditions, including:
 - 2.11.1 Resective surgical therapy
 - 2.11.2 Regenerative and reparative surgery
 - 2.11.3 Periodontal plastic surgery
 - 2.11.4 Perio-ortho surgery
- 2.12 Perform pre-prosthetic hard and soft tissue surgery, including:
 - 2.12.1 Tooth extraction
 - 2.12.2 Implant site development

- 2.12.3 Pontic site development
- 2.12.4 Vestibuloplasty
- 2.13 Plan, place, restore, or remove dental implants as indicated.
- 2.14 Perform incisional and excisional biopsies and manage sequelae appropriately.
- 2.15 Provide post-treatment instructions.

3. Post-Treatment Management and Maintenance

- 3.1 Assess treatment outcomes, including wound healing.
- 3.2 Modify the treatment plan as needed.
- 3.3 Perform periodontal re-evaluation and develop an individualized maintenance plan.
- 3.4 Recognize and manage post-treatment complications.
- 3.5 Provide oral hygiene instruction and support behavioural modification.
- 3.6 Address prosthetic considerations post-treatment.
- 3.7 Recognize and manage medical emergencies.
- 3.8 Identify and manage failed or unsuccessful treatments.
- 3.9 Formulate and present alternative treatment options.

4. Communication

- 4.1 Communicate effectively with patients, their families, and other healthcare professionals.
- 4.2 Adapt communication based on the patient's age and stage of development.
- 4.3 Obtain informed consent from patients and/or their parents or guardians.
- 4.4 Collaborate with members of the interdisciplinary healthcare team.
- 4.5 Demonstrate collegiality when discussing differing opinions with other healthcare professionals.
- 4.6 Ensure the continuity and coordination of patient care through the appropriate transfer of information.
- 4.7 Consistently apply accurate, discipline-specific terminology when communicating clinical reasoning and decisions.
- 4.8 Communicate in a structured, clear, concise, and logical manner.
- 4.9 Clearly and transparently articulate clinical reasoning and decision-making processes.