

# Fellowship Examination Blueprint: Prosthodontics

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## Blueprint

Competency Domain	Percentage
1. Data Gathering and Diagnosis	25 - 35%
2. Treatment Planning and Management	25 - 35%
3. Maintenance, Complication Management, and Alternative Care	25 - 35%
4. Communication	5 - 15%

## Competencies

### 1. Data Gathering and Diagnosis

- 1.1 Obtain and interpret the findings from the patient's chief complaint, medical, psychosocial, and dental histories, along with the clinical and radiographic examinations, and diagnostic tests.
- 1.2 Critically evaluate aesthetics and function of the masticatory system.
- 1.3 Identify contributing/aetiological factors.
- 1.4 Formulate a differential or definitive diagnosis.
- 1.5 Formulate a prognosis with or without care.
- 1.6 Obtain impressions and other records for manufacture of all types of restorations and prostheses.
- 1.7 Design radiological and surgical guides.
- 1.8 Explain the rationale for surgical, interim, and definitive maxillofacial prostheses.
- 1.9 Describe the different obstructive sleep apnea (OSA) diagnoses and management of OSA with oral appliances.
- 1.10 Describe the different TMD diagnoses and management of TMD.
- 1.11 Identify aetiological factors involved in non-carious loss of tooth structure.
- 1.12 Distinguish between physiological and non-physiological occlusion.
- 1.13 Critically evaluate and apply analog and digital dental clinical and laboratory technologies.

## 2. Treatment Planning and Management

- 2.1 Establish treatment options.
- 2.2 Apply aesthetic principles to smile design.
- 2.3 Determine the benefits, risks, relative costs and timelines, and prognosis of each treatment option.
- 2.4 Develop and justify a comprehensive, well-sequenced, timely treatment plan that considers patient preference and other relevant factors.
- 2.5 Advise patients on preventative management.
- 2.6 Determine the need to refer to and/or collaborate with different health care professionals.
- 2.7 Provide effective pain management strategies for acute and chronic conditions.
- 2.8 Prepare teeth and manage tissues for direct and indirect restorations.
- 2.9 Provide provisional restorations for intermediate stages of treatment.
- 2.10 Select appropriate types, techniques, materials, and technologies for various dental prostheses.
- 2.11 Fit restorations and prostheses to ensure that appearance, occlusion, and function are in harmony with the remaining dentition and patient's wishes.
- 2.12 Apply design principles for fixed and removable partial dentures.
- 2.13 Prepare teeth and manage tissues appropriately for fixed and removable dental prostheses.
- 2.14 Plan the number, position, and angulation of implants to support prostheses
- 2.15 Apply surgical principles for the placement of implants.
- 2.16 Manage the rehabilitation of maxillofacial patients.
- 2.17 Design, construct, and manage intra-oral appliances, including those for obstructive sleep apnea and TMD.
- 2.18 Use appropriate techniques, materials, and technologies to manage non-carious loss of tooth structure and modify tooth colour and proportion.
- 2.19 Manage non-physiological occlusion.
- 2.20 Use articulators and various technologies to accurately design and implement an occlusal scheme.
- 2.21 Manage complex restorative treatments that may require vertical dimension changes and considerations.
- 2.22 Manage prosthodontic treatment with appropriate analog and digital dental clinical and laboratory technologies.
- 2.23 Provide treatment plans that reflect ethical considerations, professional standards, and patient best interests, ensuring transparency in clinical decision-making.

### **3. Maintenance, Complication Management, and Alternative Care**

- 3.1 Establish maintenance intervals and procedures.
- 3.2 Deploy methods to prevent occurrence and recurrence of dental diseases (e.g., caries control).
- 3.3 Apply principles to prevent tooth structure loss.
- 3.4 Maintain and repair restorations and prostheses.
- 3.5 Manage compromised implants and prostheses.
- 3.6 Provide strategies to minimize chemotherapy- and radiation-related risks pre- and post-therapy.
- 3.7 Provide behavioural advice and chronic pain management.
- 3.8 Identify and manage complications associated with the use of intra-oral appliances.
- 3.9 Provide strategies to control non-carious loss of tooth structure.
- 3.10 Monitor and evaluate the effectiveness of treatment.
- 3.11 Manage dental emergencies.
- 3.12 Manage peri and post-operative complications.
- 3.13 Manage failing and failed treatments.
- 3.14 Identify possible aetiological factors of compromised outcomes.

### **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.