

Fellowship Examination Blueprint: Orthodontics

Blueprint

Competency Domain	Percentage
1. Data Gathering and Diagnosis	30 – 40%
2. Treatment Objectives and Planning	25 – 35%
3. Treatment Implementation, Management, and Complications	25 – 35%
4. Communication	5 – 15%

Competencies

1. Data Gathering and Diagnosis

- 1.1 Critically evaluate chief complaint, complete medical history, family history and dental history.
- 1.2 Complete comprehensive intraoral and extraoral examinations.
- 1.3 Obtain all appropriate high-quality diagnostic records.
- 1.4 Interpret radiographic images and analyze diagnostic records.
- 1.5 Differentiate between normal and abnormal findings.
- 1.6 Identify and differentiate pathological conditions that may affect orthodontic diagnosis and treatment outcomes.
- 1.7 Assess the need for referral to other healthcare providers.
- 1.8 Determine a comprehensive orthodontic diagnosis.

2. Treatment Objectives and Planning

- 2.1 Create a prioritized problem list.
- 2.2 Identify the treatment objectives.
- 2.3 Incorporate the presence of relevant pathological conditions into treatment planning, including timing, sequencing, and coordination with other healthcare providers.
- 2.4 Develop an appropriate, evidenced-based treatment plan.
- 2.5 Identify appropriate alternative treatment options.
- 2.6 Determine the most appropriate time for treatment.
- 2.7 Effectively communicate the rationales, risks, benefits, prognoses, and limitations of the treatment plan.

3. Treatment Implementation, Management, and Complications

- 3.1 Demonstrate an understanding of biomaterials.
- 3.2 Demonstrate an understanding of biomechanical principles of various types of appliances and mechanotherapy.
- 3.3 Describe the management of medically and dentally compromised patients, including the effect of various pharmacotherapies.
- 3.4 Coordinate interdisciplinary treatment plans.
- 3.5 Recognize and manage complications.
- 3.6 Manage medical and dental emergencies.
- 3.7 Critically evaluate progress and outcomes.
- 3.8 Assess long-term stability and retention.

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.