

## Prosthodontic Procedures

Resource site for undergraduate students

### Announcements

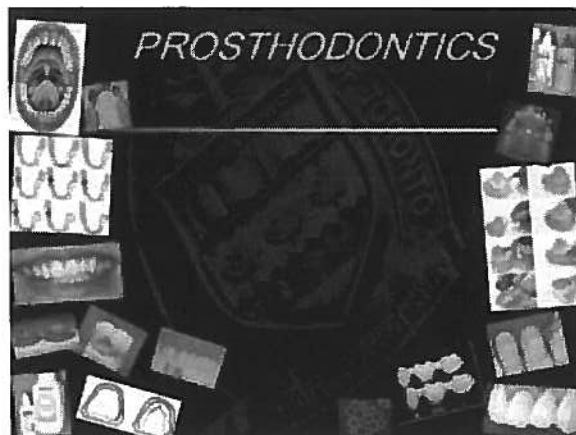
WELCOME TO  
PROSTHODONTICS!

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by Asbjorn Jokstad

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## WELCOME TO PROSTHODONTICS!

**A DEFINITION OF PROSTHODONTICS**

### COMPETENCIES FOR A BEGINNING DENTAL PRACTITIONER IN CANADA

National Dental Examination Board (NDEB) <http://www.ndeb.ca/en/accredited/competencies.htm>

Original NDEB Description	Description Amended to Prosthodontics	Dimension	Treatment phase	Domain
1 Recognize the determinants of oral health in individuals and populations and the role of dentists in health promotion, including the disadvantaged	1modif. Recognize the determinants of oral health in individuals with an intraoral prosthesis and the role of dentists in health promotion, including the disadvantaged	1. Affective	General	Critical Thinking
2 Recognize the relationship between general health and oral health	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
3 Evaluate the scientific literature and justify management recommendations based on the level of evidence available	3modif. ... patients in specific need of an intraoral removable and/or fixed prosthesis	1. Affective	General	Professionalism
4 Communicate effectively with patients, parents or guardians, staff, peers, other health professionals and the public	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
5 Identify the patient's chief complaint/concern and obtain the associated history	5modif. ... specifically relevant for a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
6 Obtain and interpret a medical, dental and psychosocial history, including a review of systems as necessary, and evaluate physical or psychosocial conditions that may affect dental management	6modif. ... of a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
7 Maintain accurate and complete patient records in a confidential manner	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
8. Prevent the transmission of infectious diseases by following current infection control guidelines	8modif. ... for handling impressions and materials exchanged with the dental technology laboratories	2. Psychomotor	4. Perform technical procedures	Clinical skill
9 Perform a clinical examination	9modif. ... of a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
10 Differentiate between normal and abnormal hard and soft tissues of the maxillofacial complex	10modif. ... of a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
11 Prescribe and obtain the required diagnostic tests, considering their risks and benefits	11modif. ... for a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
12 Perform a radiographic examination	12modif. Determine when to instigate and perform, if required, a radiographic examination for of a patient in specific need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
13 Interpret the findings from a patient's history, clinical examination, radiographic examination and from other diagnostic tests and procedures	13modif. ... of a patient in specific need of an intraoral removable and/or fixed prosthesis.	3. Cognitive	1. Examination and Diagnosis	Clinical skill
14 Recognize and manage the anxious or fearful dental patient	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
15 Recognize signs of abuse and/or neglect and make appropriate reports	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
16 Assess patient risk (including, but not limited to, diet and tobacco use) for oral disease or injuries	16modif. Assess patient risk (including, but not limited to diet and tobacco use) for oral disease or injuries following rehabilitation with an intraoral removable and/or fixed prosthesis.	3. Cognitive	2. Treatment planning and patient management	Clinical skill
17 Develop a problem list and establish diagnoses	17modif. Develop a problem list and establish diagnoses for a patient in need of an intraoral removable and/or fixed prosthesis	3. Cognitive	1. Examination and Diagnosis	Clinical skill
18 Determine the level of expertise required for treatment and formulate a written request for consultation and/or referral when appropriate	18modif. ... for a patient in specific need of an intraoral removable and/or fixed prosthesis	1. Affective	2. Treatment planning and patient management	Clinical skill
19 Develop treatment options based on the	19modif. ... for a patient in specific need of an		2. Treatment planning and	

evaluation of all relevant data	intraoral removable and/or fixed prosthesis	1. Affective	patient management	Clinical skill
<u>20 Discuss the findings, diagnoses, etiology, risks, benefits and prognoses of the treatment options, with a view to patient participation in oral health management</u>	<u>20modif. Discuss the findings, diagnoses, etiology, risks, benefits and prognoses of prosthodontic treatment options, including no therapy, with a view to patient participation in oral health management.</u>	1. Affective	General	<u>Communication and interpersonal skills</u>
<u>21 Develop an appropriate comprehensive, prioritized and sequenced treatment plan</u>	<u>21modif. ... for a patient in specific need of an intraoral removable and/or fixed prosthesis.</u>	1. Affective	<u>2. Treatment planning and patient management</u>	<u>Clinical skill</u>
22 Present and discuss the sequence of treatment, estimated fees, payment arrangements, time requirements and the patient's responsibilities for treatment	22modif. ... for a patient in specific need of an intraoral removable and/or fixed prosthesis	1. Affective	General	Communication and interpersonal skills
23 Obtain informed consent including the patient's written acceptance of the treatment plan and any modifications	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
24 Modify the treatment plan as required during the course of treatment	24modif. Modify the prosthodontic treatment plan as required during the course of treatment	1. Affective	<u>2. Treatment planning and patient management</u>	Clinical skill
25 Provide education regarding the risks and prevention of oral disease and injury to encourage the adoption of healthy behaviors	25modif. ... before and following prosthodontic care	1. Affective	<u>6. Long term maintenance of dentition</u>	Health Education
26 Provide therapies for the prevention of oral disease and injury	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
<u>27 Recognize and institute procedures to minimize occupational hazards related to the practice of dentistry</u>	<u>27modif. Recognize and institute procedures to minimize occupational hazards related to the practice of prosthodontics and work in the dental laboratory</u>	1. Affective	General	<u>Practice</u>
28 Achieve local anesthesia for dental procedures and manage related complications	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
29 Determine the indications and contraindications for the use of drugs used in dental practice, their dosages and routes of administration and write prescriptions for drugs used in dentistry	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
<u>30 Manage dental emergencies</u>	<u>30modif. ... specifically related to a fixed and/or removable prosthesis</u>	<u>2. Psychomotor</u>	<u>5. Emergency management</u>	<u>Clinical / Laboratory skills</u>
31 Recognize and manage systemic emergencies which may occur in dental practice	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
32 Manage conditions and diseases of the periodontium, provide periodontal treatment when indicated and monitor treatment outcomes	32modif. Recognize when conditions and diseases of the periodontium are present before commencing and/or in relation to a prosthesis or prosthodontic care	3. Cognitive	<u>2. Treatment planning and patient management</u>	Clinical skill
<u>33 Assess the risk, extent and activity of caries and recommend appropriate non-surgical and surgical therapy</u>	<u>33modif. Assess the risk, extent and activity of caries and recommend appropriate non-surgical and surgical therapy before commencing and/or in relation to a prosthesis or prosthodontic care</u>	3. Cognitive	<u>1. Examination and Diagnosis</u>	Clinical skill
34 Manage dental caries, tooth defects and esthetic problems and, when restoration is warranted, use techniques that conserve tooth structure and preserve pulp vitality to restore form and function	34modif. ... specifically related to a fixed and/or removable prosthesis	3. Cognitive	<u>2. Treatment planning and patient management</u>	Clinical skill
35 Manage patients with orofacial pain and/or dysfunction	35modif. Manage patients with orofacial pain and/or dysfunction potentially before commencing and/or in relation to a prosthesis or prosthodontic care	2. Psychomotor	<u>5. Emergency</u>	Clinical skill
36 Manage surgical procedures related to oral soft and hard tissues and their complications	36modif. Recognize when surgical procedures related to oral soft and hard tissues are required and addressing their complications before commencing and/or in relation to a prosthesis or prosthodontic care	2. Psychomotor	<u>2. Treatment planning and patient management</u>	Clinical skill
37 Manage trauma to the orofacial complex	37modif. ... specifically related to a fixed and/or removable prosthesis	2. Psychomotor	<u>5. Emergency</u>	Clinical skill
	38modif. Consider conditions and pathology of		<u>2. Treatment</u>	

38 Manage conditions and pathology of the pulp and provide endodontic treatment when indicated	the pulp that may require endodontic treatment before commencing and/or in relation to a prosthesis or prosthodontic care	2. Psychomotor	planning and patient management	Clinical skill
39 Manage abnormalities of orofacial growth and development and treat minor orthodontic problems	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
40 Recognize and manage functional and non-functional occlusion		2. Psychomotor	1. Examination and Diagnosis	Clinical skill
41 Select and, where indicated, prescribe appropriate biomaterials for patient treatment		3. Cognitive	2. Treatment planning and patient management	Clinical skill
42 Manage partially and completely edentulous patients with prosthodontic needs including the provision of fixed, removable and implant prostheses		3. Cognitive	1. Examination and Diagnosis	Clinical skill
43 Make records required for use in the laboratory fabrication of dental prostheses and appliances		2. Psychomotor	4. Perform technical procedures	Clinical skill
44 Design a dental prosthesis or appliance, write a laboratory prescription and evaluate laboratory products		2. Psychomotor	4. Perform technical procedures	Clinical skill
45 Apply accepted principles of ethics and jurisprudence to maintain standards and advance knowledge and skills	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
46 Apply basic principles of practice administration, financial and personnel management to a dental practice	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			
47 Demonstrate professional behaviour that is ethical, supercedes self-interest, strives for excellence, is committed to continued professional development and is accountable to individual patients, society and the profession	Fundamental core competency not particular to specific aspects of the prosthodontics curriculum			

RECOMMENDED ONLINE TEXTBOOKS IN PROSTHODONTICS:

(requires UofT Campus computer)

