



UBC Year 3 DMD Students' Clinical Benchmarks for Patient Care

This document outlines, in general, the patient care procedures that Year 3 DMD students who have been officially promoted to Year 4 may perform under the supervision of a BCCOHP-licensed UBC Faculty of Dentistry clinical faculty member or another dental school's clinically licensed faculty member where a signed Memorandum of Understanding between UBC and the other dental school has been established, or a general dentist where a signed contract between UBC and the dentist has been established. This information was acquired from the DMD Year 3 module coordinators.

This inventory lists clinical skills and procedures only. It is intended to be a guide to DMD students, clinic instructors, Summer Student Practitioner Program (SSPP) mentors, and community elective site/community rotation site supervising dentists. It is not intended to be an inventory of the DMD student knowledge base.

DMD students at this level of their training are somewhat experienced in all aspects of general dentistry patient care, including patient management, documentation, general dentistry clinical skills, diagnosis and treatment planning, and practice management. DMD students are expected to demonstrate professionalism, ethical decision-making, patient-centred care, evidence-based practice, and to apply infection prevention and control and proper ergonomics to all clinical situations.

Integrated General Practice

- Perform a comprehensive new patient exam as well as recall exam.
- Collect, interpret, and synthesize all relevant information needed to formulate appropriate treatment options, along with risks and benefits and prognosis, which can be presented to and discussed with the patient to arrive at a shared decision for an individualized treatment plan.
- Complete composite and amalgam direct restorations.
- Complete a single full coverage indirect restoration.
- Fabricate, relines and/or repair, deliver simple removable prostheses.
- Reflect on vicarious learning achieved through assisting peers in patient care.

Periodontics

- Complete a comprehensive new or recall patient clinical periodontal examination.
- Develop a diagnosis of the periodontal conditions of a patient.
- Provide a periodontal prognosis for the remaining teeth and develop an individualized periodontal treatment plan.
- Perform Phase I (non-surgical) periodontal treatments including individualized oral hygiene instruction + Scaling/Root Planning and phase III, supportive periodontal therapy (SPT).
- Re-evaluate response to non-surgical treatments and identify cases and conditions requiring advanced periodontal treatments and referral for phase II (surgical) periodontal therapy Oral and Maxillofacial Radiology.

Oral and Maxillofacial Radiology

- Prescribe, expose and interpret intraoral and panoramic radiographs.



- Integrate strategies to correct imaging errors.

Local Anesthesia and Minimal Sedation

- Safely administer local anesthesia.
- Explain and respond appropriately to complications that can arise during local anesthesia administration.
- Recognize the need and be able to provide minimal sedation using nitrous oxide and oxygen as well as oral sedation for their adult dental patients.

Operative Dentistry and Prosthodontics

- Indirect restorations (including all associated steps for full or partial metal crowns, metal onlays, metal-ceramic crowns, all ceramic crowns).
- Complete direct restorations (includes direct core build-ups with amalgam, complex composite and amalgam restorations with appropriate use of glass ionomer, amalgam or resin composite materials).
- Digital Dentistry –novice level CEREC intraoral capture of a single tooth preparation.
- Perform clinical prosthodontics examination.
- Develop a diagnosis and treatment plan relating to removable prostheses supported by soft tissues, remaining teeth and/or implants.

Endodontics

- Explain the principles and interpretation of the various pulp sensibility tests.
- Perform clinical endodontic patient care on approved suitable cases.
- (Canadian Academy of Endodontics Class 1 Difficulty of Risk)
https://www.caendo.ca/wpcontent/uploads/2023/01/Standards_of_Practice_2022_ENGLISH.pdf,
Pages 4-6

Oral Maxillofacial Surgery

- Simple and complex (surgical) exodontia, including fully erupted, vertically aligned mandibular third molars.
- Simple biopsies (e.g. focal fibrous hyperplasia, small mucocoele excision).
- Pre-prosthetic procedures: primary and secondary alveoplasty, frenectomy.
- Incision and drainage of a buccal space infection.

Pediatric Dentistry

- Complete a comprehensive examination and treatment plan on a pediatric patient.
- Provide preventive oral care for children (including rubber cup or toothbrush prophylaxis, fluoride therapy, silver diamine fluoride application, sealant placement and diet and oral hygiene instructions).
- Demonstrate communicative behaviour guidance techniques for children.

Orthodontics

- Utilize techniques for the analysis of facial, radiographic and dental records.
- Prioritize clinical problems and discuss potential treatment objectives.