

CDAAAC

Canadian Dental Anaesthesia Assistant Certification

Course
Overview



Canadian Dental Anaesthesia Assistant Course (CDAAC)

The management of pain and anxiety for patients undergoing dental procedures is a major focus of the dental profession. Dentistry has evolved to administer general anaesthesia, IV sedation, and oral/inhaled agents for sedation and analgesia in a safe manner to millions of patients. This course provides both the knowledge and the hands-on skills for team members to effectively manage patients throughout the process.

At the core of the dental anaesthesia/sedation experience is the dentist and the operatory team. The team must be competent to provide safe and effective pain and anxiety control across the entire anaesthesia spectrum. The CDAAC curriculum has been designed to prepare team members to provide supportive anaesthesia care in office based ambulatory dental settings. This program gives the sedation team member expertise in the perioperative and operative care of patients undergoing anaesthesia services. It especially focuses on emergency care of patients undergoing anaesthesia.

Eligibility Requirements

- You must be registered in your province/state as a Certified Dental Assistant, Registered Dental Assistant, Hygienist, RN or LPN. Exceptions for other staff will be considered
- You must have a current BLS CPR certification which has to be emailed or faxed to our office before your course date

About CDAAC

The Canadian Dental Anaesthesia Assistant Course combines approximately 20 hours of self-study (six chapters of a course manual and eight hours of online lectures) followed by the completion of eight hours of classroom time. The student will receive the CDAAC certification upon successful completion of a final exam made up of a combination of hands-on skills testing and a multiple-choice written component. This examination is completed during the classroom component.

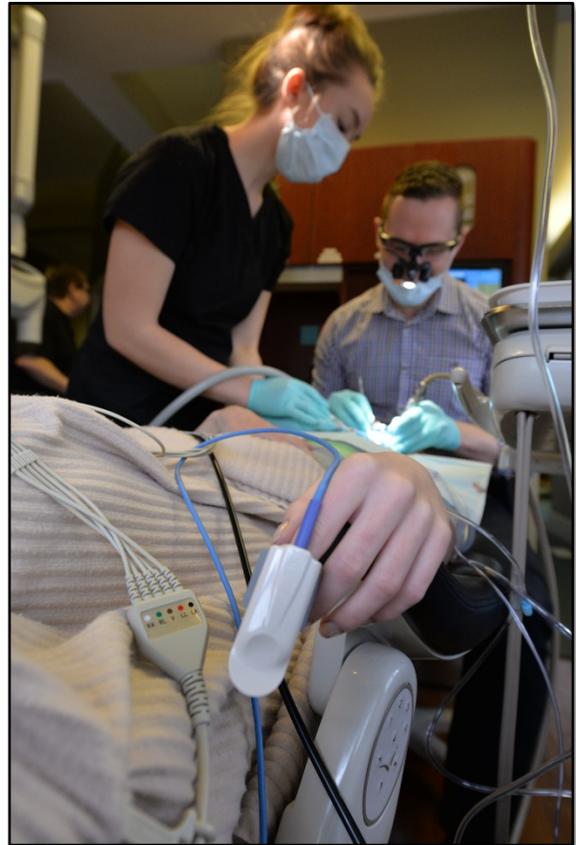
This program covers:

- Basic science reviews
- Patient selection and evaluation
- Preoperative preparation of patients
- Anaesthetic drugs and techniques
- Anaesthesia equipment and monitoring: ECG interpretation, vital signs, oxygen saturation, and waveform capnography
- Management of office medical/anaesthesia emergencies



Educational Objectives

- List the main divisions and components of the peripheral and central nervous system
- Describe the basic anatomy and physiology of the respiratory system in relation to the field of dental surgery and anaesthesiology
- Describe the basic anatomy and physiology of the cardiovascular system in relation to the field of dental surgery and anaesthesiology
- Understand concepts of basic pharmacology
- Understand the pharmacology of key drugs used in local anaesthesia, sedation, analgesia, and general anaesthesia
- Understand the differences between the various levels of sedation, anaesthesia, nitrous oxide analgesia, and local anaesthesia
- Understand appropriate monitoring and necessary charting for safe delivery anaesthetic care
- Understand the prevention, recognition and management of complications associated with office-based sedation and anaesthesia
- Understand the management of emergencies in the dental office and list and discuss the emergency drugs and equipment required for the prevention and management of emergency situations
- To recognize, react to, and manage dental medical emergencies as a team member.
- To be able to manage or assist in the management of the compromised patient airway using basic and advanced airway techniques
- Understand key principles of advanced cardiac life support





Course Overview

Self-Study Modules Completed from Course Manual

These modules have an online quiz that you complete once you have read and studied that section

- Module 1: Basic Human Anatomy and Physiology Review
- Module 2: The Anaesthetic Spectrum of Care
- Module 3: Anaesthetic Pharmacology and Administrative Techniques
- Module 4: Preoperative/Postoperative Care
- Module 5: Anaesthesia Equipment
- Module 6: Anaesthetic Emergencies

Online Lecture (this replaces day one classroom lectures done in the past and mentioned in the course manual)

- A discussion of patient safety and the historical issues that have occurred leading to patient harm.
- Anaesthesia basics
 - Types of anaesthesia
 - Levels of procedural sedation
 - NPO Rules
 - Routes of medication delivery
- A review of select human systems:
 - Neurological
 - Respiratory
- Understanding vital signs and introduction to patient monitoring

The online lecture can be found at: <https://dentaed.com/cdaac-online-lecture-2020/>

Classroom Day: 0830-1700 hours

0830-0930	Written exam based on home study modules and video lectures
0930-1030	Preoperative patient screening
1030-1050	Break
1050-1200	Intraoperative care, monitoring, and patient anaesthetic charting
1200-1230	Postoperative care
1230-1300	Lunch
1300-1600	Skills training: airway management, BVM and oral airway use
1600-1700	Optional CPR recertification



The Examination Process

The examination process is composed of three components.

- Module quizzes (15 questions each). 80% pass grade
- Final multiple-choice exam (50 questions). 80% pass grade
- Hands-on skills testing. Pass/Fail

The hands-on skills section is a pass/fail component in which the student is assessed in the following:

- Airway skills- use of oral airway, modified jaw thrust, head tilt-chin lift, Bag-Valve-Mask ventilation (one and two person)

The written exams/quizzes have an 80% pass grade. If the student is unsuccessful, they can do an exam rewrite after a remediation plan is formulated with the instructor. If the student is unsuccessful during the re-examination process, then they must repeat the course in its entirety. Upon successful completion of the program a certificate and lapel pin are awarded.

Recertification

The CDAAC course must be repeated every three years to maintain your certification. Please do not confuse this with the requirements of your governing body which vary from one province/state to another.