

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

- The participant must work as a healthcare professional in a dental setting. This includes certified/registered dental assistants, chairside assistants, hygienists, RNs, and LPNs.
- The participant must hold a current BLS CPR certification before they can obtain their certification documents which **includes direct training in the use of a bag-valve-mask ventilation device.**

About the CDAAC Process

The Canadian Dental Anaesthesia Assistant Course combines self-study of the CDAAC course manual, working through a series of six modules and their related online quizzes, along with watching a series of video lectures. The key hands-on training of basic airway management is acquired when the student completes a Basic Life Support (BLS) CPR course. Once the online quizzes are completed and the student feels they have studied adequately, they then complete a final exam. **The final exam must be completed within eight months of registering for the course**

The student will receive the CDAAC certification upon successful completion of that exam. It consists of 50 randomly selected multiple-choice questions taken from a large question bank and is a timed one-hour exam. They can attempt one rewrite exam if necessary.

This program covers:

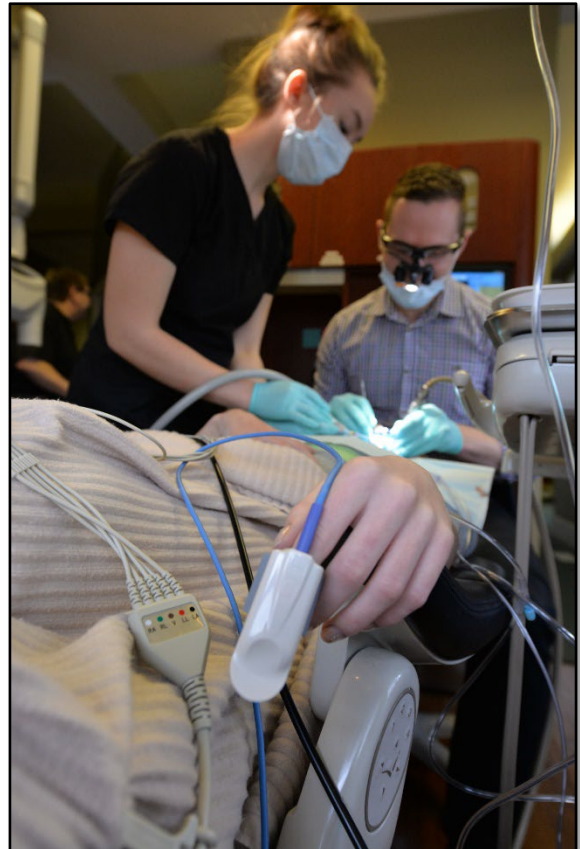
- Basic science reviews
- Patient selection and evaluation
- Preoperative preparation of patients
- Anaesthetic drugs and techniques



- 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

- Module 1: Basic human anatomy and physiology
- Module 2: Basic pharmacology and medication administration techniques
- Module 3: Anaesthesia in relation to the dental profession
- Module 4: Preoperative screening
- Module 5: Intraoperative and postoperative management
- Module 6: Managing emergencies

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

Online Lectures

- 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://dentaled.com/cdaac-online-lecture-2022/>

Course Manual

The student receives the course manual digitally as an Adobe pdf file when they register. A hard copy of the course manual can be purchased.

The Examination Process

The examination process is composed of two components.

- Module quizzes (10 questions each). 80% pass grade
- Final multiple-choice exam (50 questions). 80% pass grade



The written final exam has an 80% pass grade. If the student is unsuccessful, they can do a 2nd exam attempt after a one week waiting period. 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 along with a CDE document.

Recertification Requirement

The CDAAC certification lasts for 5 years from date on the certificate issued. The course must be repeated every five 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.