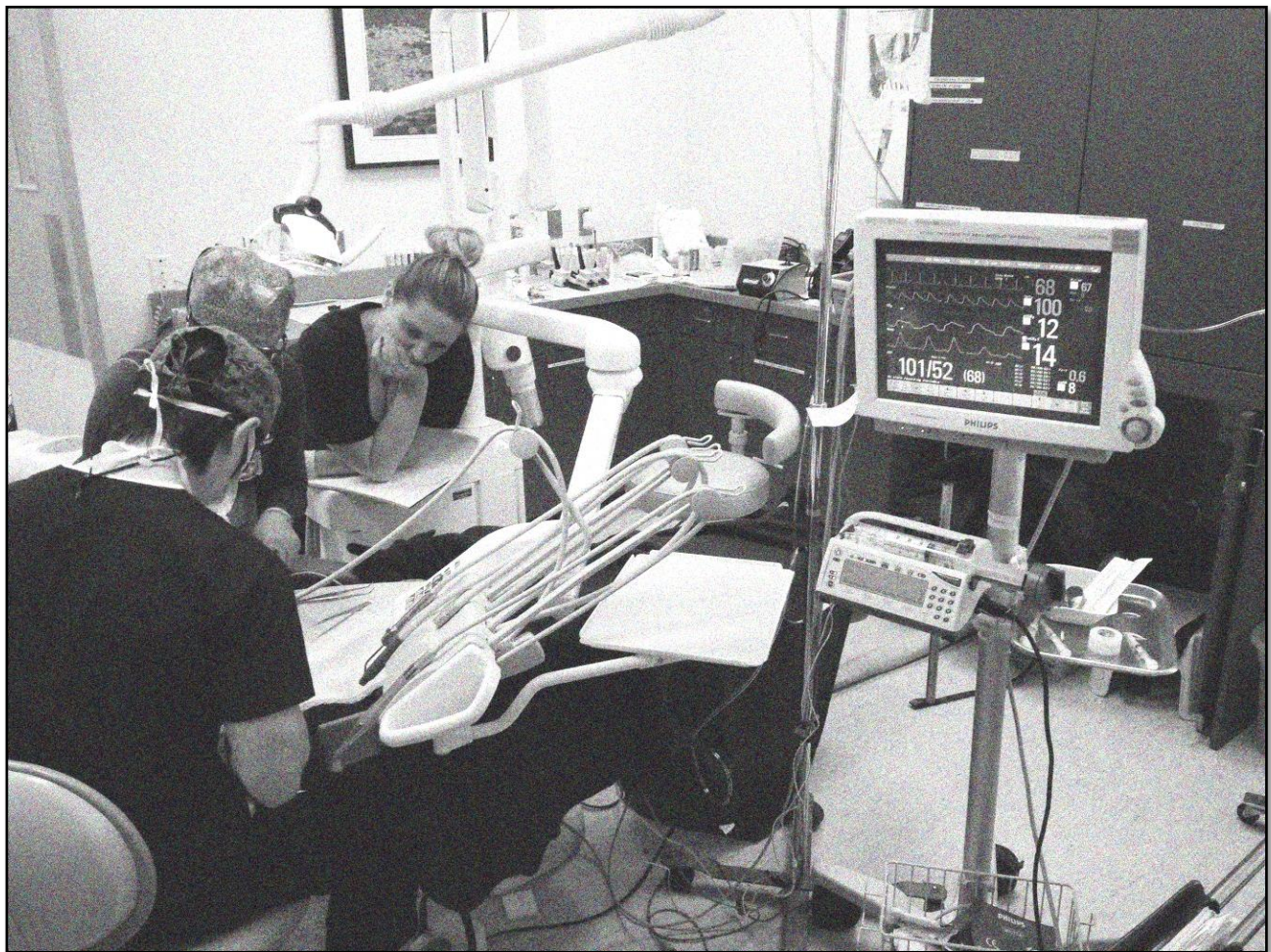


# CANADIAN DENTAL ANAESTHESIA ASSISTANT COURSE (CDAAC)



## 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 as a Certified Dental Assistant, Registered Dental Assistant, Hygienist, RN or LPN. Exceptions for other staff will be considered.
- You must have a current healthcare provider CPR certification.

## ABOUT CDAAC

The Canadian Dental Anaesthesia Assistant Course combines approximately 20 hours of self-study followed by the completion of 16 hours of classroom time. For those recertifying the requirement is to attend for day two of the two-day course and complete the examination process. The student will receive the CDAAC certification upon successful completion of a final exam; a combination of hands-on skills testing and a multiple choice written component.

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## THIS PROGRAM COVERS:

- A basic science review
- 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

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## 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 OUTLINE

### SELF STUDY MODULES

- 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

### CLASSROOM 0830-1700 HOURS X 2 DAYS

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#### Day 1

#### MORNING

0830-0845	Introductions and course overview
0845-1000	A review of select topics: Autonomic nervous system
<b>1000-1030</b>	<b>Break</b>
1030-1200	A review of select topics: Respiratory system
<b>1200-1245</b>	<b>Lunch</b>

#### AFTERNOON

1245-1415	A review of select topics: Cardiovascular system
1415-1500	The patient screening process
<b>1500-1520</b>	<b>Break</b>
1520-1700	Patient monitoring

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## Day 2

### MORNING

0830-0930	Written exam
0930-1000	Understanding changes in patient vital signs
<b>1000-1030</b>	<b>Break</b>
1030-1100	Anaesthetic charting
1100-1230	Skills training: airway management, BVM and oral airway use, IO, AED, CPR
<b>1230-1315</b>	<b>Lunch</b>

### AFTERNOON

1315-1500	Medical emergencies in the dental office
<b>1500-1520</b>	<b>Break</b>
1520-1700	Medical emergencies in the dental office

## 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:

- CPR and AED skills
- Airway skills- use of oral airway, modified jaw thrust, head tilt-chin lift, BVM (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 instructors. 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 certification. Your regulatory body may require more frequent recertification. Recertification requires you to attend day two of the course though we encourage you to attend day one also. Tuition for recertification is \$490.00 + taxes.