



The Dental DSAT and Anesthesia Training Course

Course Breakdown



DSAT Course

Course Description:

Welcome to the Dental Sedation and Anesthesia Training course (DSAT)

Who is the DSAT course for:

For dental staff who assist in office based minimal, moderate, and/or deep sedation.

The offering of sedation in dentistry is gaining widespread popularity, and certification to assist in dental sedation is also in high demand. The DSAT course is centred on training dental staff on the fundamentals of patient care in a dental office where sedation and anesthesia are administered. Participants will learn how to operate within a team-based setting to ensure safe and effective management of patients across all levels of sedation and anesthesia. Using an online format, theoretical elements are completed using a self-paced learning style. Once the participant completes the online modules, the in-class practical hands-on instruction day (and final exam) can then be scheduled. **(The entire course must be completed within 8 months.)**

Prerequisites:

Participants must be registered in your province/state as a:

- Certified Dental Assistant (CDA)
- Registered Dental Assistant (RDA)
- Dental Hygienist
- RN
- LPN
- OTHER: Contact the office: lifesafemedical@gmail.com or by phone: 250 933 0066.

Additional Prerequisites:

In addition to the above prerequisites, participants are required to have a current BLS (CPR C/AED) certification. (The office will have obtained a copy of your BLS Certificate prior to your enrolment. (Participants must have a valid BLS CPR certification before they can receive their certification documents, which cover hands-on training with a bag-valve-mask ventilation device.)

****Online CPR certifications are not accepted****

Course Breakdown: 36 hrs total + Final exam

(within 8 months of registration)

STEP 1: Online Course Modules / Video Lectures Approx. 28 hrs:

- Self-paced - Online Modules including video lectures (participants will receive a link to the Online Modules on they register.)
 - **Modules cover:** Basic Sciences, Anatomy and Physiology, Preoperative, Intraoperative and Post Operative Patient Care, Monitoring Patients under Anesthesia, and Common Medical Emergencies.
 - Quizzes after each Module - (10 - 15 multiple choice questions)
 - **The passing grade is 80%**
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Online Modules Breakdown:

Online Module 1 - Anatomy and physiology review:

- Nervous System
- Cardiovascular system
- Respiratory System
- Endocrine and Immune System
- Kidney and Liver Function
- Forearm Vascular Anatomy
- QUIZ

Online Module 2 - Perioperative Procedures:

- Introduction to record keeping
- The physical assessment and patient selection
- Preoperative patient preparation
- Common disorders and diseases
- Pediatric patients
- QUIZ

Online Module 3 - Drugs and Techniques in Dental Anaesthesia:

- Anaesthetic drugs and their actions
- Anaesthesia equipment
- QUIZ

Online Module 4 - Patient Monitoring and Vital Signs

- Guidelines for sedation
- Airway Maintenance
- Monitoring Equipment and patient parameters
- QUIZ

Online Module 5: Medical and Anaesthesia Emergencies

- Common Medical Emergencies in the Dental Office involving
- Airway
- Cardiovascular
- Endocrine and Nervous System
- Immune system
- Other common Emergencies
- QUIZ

What's in the Online Lectures:

Patient Safety:

- Anesthesia and Patient Safety

Introduction to Anaesthesia:

- Various types of anaesthesia
- Procedural sedation and anesthesia.
- Preoperative NPO Rules
- Anesthesia medications overview

A review of select human systems:

- Nervous System
 - Respiratory System
 - Cardiovascular System
 - Introduction to Vital signs patient parameters
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STEP 2: Once the Modules and lectures have been completed, schedule your final exam and in-class component within 8 months of registration:

In class Portion Breakdown: (9am - 5:30pm)

9:00 - 10:00am: The Final Exam

The Final Exam must be completed within 8 months of the course registration date:

- Exam is in-person - and timed (1 hr)
- The exam consists of 50 random multiple choice questions
- **The passing grade is 80%**

What if I don't pass the written exam?

- You can remain for the day and complete the rest of your training
- You will have 1 more opportunity to retake the exam, however, you must wait one week.
- **(If they are unsuccessful again during the re-examination, they must retake the entire course.)**

10:00 - 12:30pm:

The Preoperative Patient Care:

- Patient assessment and screening

Intraoperative Patient Care:

- Monitoring
- Anesthetic charting

in class agenda continued....

12:30 - 1:30pm: Lunch

1:30 - 4:30pm: (breaks in between)

Patient Recovery and Postoperative Care:

- patient assessment and care
- Airway Management: basic airway management, use of the Bag-Valve Mask, basic and advanced airway adjuncts training

4:30pm start - CPR Recertification (optional):

- Adult, Child, Infant CPR
 - Special circumstances: opioid overdose etc.
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DSAT EDUCATIONAL OBJECTIVES:

- Identify the primary divisions and components of the peripheral and central nervous system
- Explain the basic anatomy and physiology of the respiratory system concerning dental surgery and anaesthesiology
- Explain the basic anatomy and physiology of the cardiovascular system concerning dental surgery and anaesthesiology
- Grasp fundamental pharmacology concepts
- Comprehend the pharmacology of essential drugs used in local anaesthesia, sedation, analgesia, and general anaesthesia
- Distinguish between various levels of sedation, anaesthesia, nitrous oxide analgesia, and local anaesthesia
- Understand proper monitoring and necessary charting for the safe administration of anaesthetic care
- Recognize, prevent, and manage complications related to office-based sedation and anaesthesia
- Manage emergencies in the dental office, and list and discuss the emergency drugs and equipment needed for emergency prevention and management
- Recognize, respond to, and manage dental medical emergencies as part of a team

- Manage or assist in managing a compromised patient airway using basic and advanced techniques
 - Understand the key principles of advanced cardiac life support
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After completing this course, the dental anesthesia assistant should be capable of:

1. Differentiating between general anesthesia, deep sedation, moderate sedation, nitrous oxide analgesia, and local anesthesia.
2. Explaining the drugs and techniques used by the anesthesia provider to achieve different levels of anesthesia or sedation.
3. Identifying basic office emergencies and their treatments, including cardiovascular, respiratory, allergic, and convulsive emergencies.
4. Describing the essentials of monitoring blood pressure, pulse, and oxygen saturation.
5. Recognizing normal electrocardiograph (cardiac monitor) waves and identifying serious abnormal variations from the normal rhythm.
6. Understanding the essentials and importance of a complete medical record.

Contact the Office for more information

lifesafe.med@gmail.com

250 933 0066