



DALHOUSIE
UNIVERSITY

FACULTY OF DENTISTRY
Continuing Professional
Education

Nitrous oxide sedation for dentists

DNTL-DENT0076-007



Course Description

This two-day hands-on course offers both didactic and clinical hands-on instructions in all aspects of nitrous oxide/oxygen inhalation in general practice. The didactic lectures will cover the following topics:

- Overview of anxiety and sedation definitions.
- Assessing the patient for minimal sedation.
- Pharmacology of nitrous oxide.
- Respiratory physiology.
- Nitrous oxide equipment, installation, and scavenging.
- Complications of sedation and their management.
- Nitrous oxide/oxygen sedation technique.
- The pediatric patient.
- Monitoring for sedation.

Reference material and a self-assessment quiz will be provided to the course participants prior to the course for self-study purposes. Each participant will be provided with a course package at the beginning of the course including copies of the lecture slides. To receive a pass on the course participant will be required to receive a minimum grade of 70% on the comprehensive written exam and a pass on the clinical component.

Prerequisites

- **Medical emergencies including a hands-on component**
- **Heart and Stroke BLS certification for health care professionals**
- **A temporary authorization with the Nova Scotia Regulator of Dentistry and Dental Assisting (NSRDDA), if applicable.**

What you will learn

- Hands-on administration of nitrous oxide using various techniques and equipment.
- Clinical pharmacology, including nitrous oxide and oxygen, patient assessment, and risk management anatomy and physiology of respiration indications and contraindications.
- Nitrous oxide equipment various techniques for nitrous oxide sedation.
- Nitrous oxide contamination and scavenging.
- Monitoring - keeping patients safe, emergency kit, tips and tricks, drug interactions.

This course will fulfill the Provincial Dental Board of Nova Scotia guidelines for the use of nitrous oxide/oxygen conscious sedation in dentistry.

Refer to your provincial licensing board for additional guidelines



Date

Saturday & Sunday
April 25 & 26, 2026



Fees

\$2,150



CE Credits

14 CE Lecture hours | 20 CE hours
6 CE Hands-on hours



Presentation Times

8:30 am to 4:30 pm



Check-in

8:00 am



Location

Dalhousie University, Faculty of
Dentistry



Method

In-person lecture and
hands-on



Register

dal.ca/dentistry/cde



More Information

902-494-1674



Dr. Chris Lee

DDS, MSc, GPR

Dr. Chris Lee completed an MSc in pharmacology at the University of Ottawa before attending dental school at Dalhousie University. He completed a general practice residency program at Vancouver General Hospital and he practised in Ottawa before returning to Nova Scotia to design and implement a GPR program at the Faculty of Dentistry and run the emergency dental clinic. He is a consultant to the National Dental Examination Board of Canada



Dr. Shannon Fitzpatrick

BSc, DDS, Cert Ped, FRCDC, DABPD

Dr. Shannon Fitzpatrick completed her dental degree at Dalhousie University and practiced general dentistry for several years, first in Ottawa then in Prince Edward Island with the public health dental program for children. In 2017, she completed her paediatric specialist training at the Eastman Institute for Oral Health in Rochester, N.Y. and joined IWK Health as a staff paediatric dentist. In addition to teaching and supervision of dental residents at the hospital, she teaches in the Faculty of Dentistry at Dalhousie University. Dr. Fitzpatrick holds fellowship with the Royal College of Dentists of Canada and is a Diplomate of the American Board of Pediatric Dentistry.