

FOR THE DENTAL HYGIENIST

What You Will Learn

This course fulfills the Kentucky State Dental Practice Act requirement regarding “delegation of block and infiltration anesthesia and nitrous oxide analgesia to dental hygienists.” This course is designed for licensed dental hygienists who would like to receive certification in the administration of block and local infiltration anesthesia and nitrous oxide analgesia. Each participant will receive instruction through formal lectures and clinical demonstration. Participants will perform partner injections and administration of nitrous oxide analgesia. Please note that accepted applicants cannot be pregnant. Also, participants will be required to provide a copy of his or her current license to practice dental hygiene and show proof of liability coverage that will extend to this course in the amount of no less than \$1 million per occurrence and \$3 million in the aggregate.

Call UK College of Dentistry’s Office of Continuing Education for additional information at (859) 323-8155 or 8187.

Special Benefits

- Demonstrate competence in the administration of both maxillary and mandibular injection techniques
- Demonstrate competence in the monitoring and administration of nitrous analgesia
- Demonstrate knowledge of neurophysiology and pharmacology as it relates to local anesthetics, vasoconstrictors, and nitrous oxide
- Identify anatomical structures that relate to each local anesthetic technique
- Demonstrate appropriate record keeping
- Recognize and manage complications of local anesthetics and nitrous oxide, as well as other medical emergencies
- Identify proper patient selection and contraindications in the use of local anesthetics, vasoconstrictors, and nitrous oxide
- Achieve a minimum score of 75% on a written exam

LOCAL ANESTHESIA AND NITROUS OXIDE ANALGESIA FOR THE DENTAL HYGIENIST

Day 1 – Thursday, March 5, 2009

7:30 – 8 am	Registration
8 – 9 am	Introduction/Objective Review
9 – 10 am	Neurophysiology
10 – 11 am	Pharmacology of Local Anesthetics
11 – 12 pm	Pharmacology of Vasoconstrictors
12 – 1 pm	Record Keeping/Local Anesthetic Dosage Calculation
1 – 2 pm	Lunch on Your Own
2 – 3 pm	Local Anesthetic Armamentarium
3 – 3:30 pm	Orientation to Clinic – Cubicle Assignments
3:30 – 4:30 pm	Local Anesthetic Armamentarium Exercise
4:30 – 6:30 pm	Basic Injection and Placement Technique
	Infiltration Injections and Placement Technique

Day 2 – Friday, March 6, 2009

8 – 10 am	Pharmacology of Nitrous Oxide
	Adjunctive Uses of Nitrous Oxide in Conscious Sedation
10 – 12 pm	Anatomical Considerations of Maxillary Injections
12 – 1 pm	Maxillary Injection Techniques (PSA, Infra-Orbital)
1 – 2 pm	Lunch on Your Own
2 – 3 pm	Nitrous-Oxide Armamentarium

3 – 4 pm	Nitrous-Oxide Administration
4 – 6:30 pm	Maxillary Injection (PSA, Infra-Orbital)

Day 3 – Saturday, March 7, 2009

8 – 10 am	Anatomical Considerations of Mandibular Injections
	Mandibular Injection Techniques
10 – 11 am	Nitrous Oxide Administration
11 – 1 pm	Mandibular Injections
1 – 2 pm	Lunch on Your Own
2 – 3 pm	Maxillary Injection Techniques
	Greater Palatine, Nasopalatine
3 – 5 pm	Nitrous Oxide Administration
	Maxillary Injections
5 – 6:30 pm	Physical and Psychological Evaluations

Day 4 – Friday, March 27, 2009

8 – 9 am	Review Maxillary Injections and Anatomical Considerations
9 – 10 am	Review Mandibular Injections and Anatomical Considerations
10 – 1 pm	Nitrous Oxide Administration
	Mandibular Injections
1 – 2 pm	Lunch on Your Own
2 – 4 pm	Local and Systemic Complications and Contraindications
4 - 6:30 pm	Maxillary Injections

Day 5 – Saturday, March 28, 2009

8 – 10 am	Medical Emergencies
10 am – noon	General Review
Noon – 1 pm	Written Examination
1 – 2 pm	Lunch on Your Own
2 – 6 pm	Nitrous-Oxide Administration
	Maxillary Injections
	Mandibular Injections

Upon completion of this course and objectives, a licensed dental hygienist will meet the educational and clinical requirements in order to submit an application to the Kentucky Board of Dentistry for certification for the administration of block and infiltration anesthesia and nitrous oxide analgesia as delegated by a licensed dentist.

Speaker

Kristy Pepper, DMD, is assistant professor in the Division of Restorative Dentistry, Department of Oral Health Practice, University of Kentucky College of Dentistry. She received her doctor of dental medicine degree from the University of Kentucky College of Dentistry in 2005 and completed a two year hospital-based general practice residency in 2007, in which she served as chief resident her second year. In July 2007, she joined the faculty at the UK College of Dentistry, Division of Restorative Dentistry.

Program Information

Time:	Registration – 7:30 am; Course - 8 am – 6:30 pm
Tuition:	Before February 19 , \$1,075 per hygienist After February 19 , \$1,095 per hygienist (Fee includes continental breakfast)
Location:	University of Kentucky College of Dentistry Lexington, KY
Registration:	7:30 a.m.

Limited Enrollment (12)
CDE Credits: 47 hours/scientific/Category B)
Register by February 19, 2009