

Virginia Western Community College
DNH 235
Management of Dental Pain & Anxiety

Prerequisites

DNH 141 lecture/Pre-clinic; DNH 115 Histology/Head and Neck Anatomy; DNH 120 Management of Emergencies; DNH 130 Oral Radiology for the Dental Hygienist; DNH 111 Oral Anatomy; DNH 142 lecture/Clinic; DNH 146 Periodontics; DNH 216 Pharmacology

Course Description

Provides a study of anxiety and pain management techniques used in dental care. Students will understand the necessary theory to appropriately treat, plan and successfully administer topical anesthesia, local anesthesia, and nitrous oxide/oxygen analgesia. Includes the components of pain, pain control mechanisms, topical anesthesia, local anesthesia, and nitrous oxide/oxygen analgesia.

Semester Credits: 2 Lecture Hours: 1 Lab/Clinical/Internship Hours: 2#

Required Materials

Textbook:

- Bassett, Kathy B., DiMarco, Arthur C. and Naughton, Doreen K. (2015). Local Anesthesia for Dental Professionals – Second Edition. Upper Saddle River; Pearson.

Other Required Materials:

- Clark, Morris S. and Brunick, Ann L. (2015). Handbook of Nitrous Oxide and Oxygen Sedation – Fourth Edition. St. Louis; Mosby. ISBN: 978-1-4557-4547-0
- Malamed, Stanley F. (2013). Handbook of Local Anesthesia – Sixth Edition. St. Louis; Elsevier Mosby. ISBN: 978-0323074131
- Wilkins, Esther M. (2017). Clinical Practice of the Dental Hygienist -Twelfth Edition. Philadelphia: Lippincott, Williams and Wilkins. ISBN: 978-1-4511-9311-4
- Guidelines and Procedures
- Clinic Manual 2022-2023

Course Outcomes

At the completion of this course, the student should be able to:

Upon completion of this course: through reading assignments, demonstration, practice, and competency evaluations the student will demonstrate achievement of the following objectives to a minimum of 77% competency.

- Implement a review of the medical history and assess the psychological profile of a patient prior to the administration of local anesthesia or nitrous oxide–oxygen sedation.

- Identify the pharmacologic actions and anatomical considerations for the administration of local anesthetic agents.
- Differentiate the clinical actions of specific anesthetic agents.
- Demonstrate the proper assembly of the local anesthetic armamentarium.
- Demonstrate maxillary/mandibular infiltration and block anesthesia techniques to laboratory competency on a classmate.
- Define the potential complications and management of emergencies when administering local anesthesia.
- Describe the protocols for use of topical anesthetics.
- List indications and contraindications for the use of nitrous oxide/oxygen sedation.
- Demonstrate knowledge and use of the nitrous oxide/oxygen sedation armamentarium.
- Demonstrate laboratory competency, on a classmate, nitrous oxide-oxygen sedation technique.
- Define the potential complications and management of emergencies when administering nitrous oxide/oxygen analgesia.

Topical Description

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Notes to Instructors

- **Lecture Instructor** is only instructor for lecture no need for additional instructions.
- **Lab Instructors:** Faculty will introduce and demonstrate topical anesthesia, local anesthesia, and nitrous oxide/oxygen techniques.