

DHYG 124 : Pain Management

Credits 2

This course provides instruction, clinical experiences, and assessment of atraumatic techniques of local anesthesia delivery. Introduction and experience with safe pain management strategies including topical, injectable, and subgingival local anesthetic delivery will be presented and implemented. Methods of sedation will be introduced and experienced, with an emphasis on nitrous oxide/oxygen analgesia and sedation. This class may include students from multiple sections.

Course Outcomes

Recognize patient anxiety and pain and explain how the cardiovascular system, emotions, and behavior are impacted.

Explain the physiology and pharmacology of local anesthesia.

Demonstrate a commanding knowledge of local anesthetics and vasoconstrictors used in dentistry.

Describe the medical issues impacting the use of local anesthetics and vasoconstrictors in dental care.

Describe possible local and systemic complications of local anesthesia and how to manage them.

Utilize local anesthesia armamentarium with appropriate safety and infection control considerations.

Explain the anatomy of areas anesthetized with local anesthesia for dental/dental hygiene care.

Explain the penetration site, depth of penetration, deposition site, amount deposited, and area anesthetized for the following injections: Infiltration, Anterior Superior Alveolar, Posterior Superior Alveolar, Middle Superior Alveolar, Anterior Middle Superior Alveolar, Nasopalatine, Greater Palatine, Inferior Alveolar, Lingual, Long Buccal and Gow-Gates.

Perform the following injections: Infiltration, Anterior Superior Alveolar, Posterior Superior Alveolar, Middle Superior Alveolar, Anterior Middle Superior Alveolar, Nasopalatine, Greater Palatine, Inferior Alveolar, Lingual, Long Buccal and Gow-Gates.

Demonstrate how to make a thorough chart entry for the administration of local anesthesia and nitrous oxide administration.

Explain the physiology and pharmacology of nitrous oxide utilization.

Explain the medical considerations and precautions with the use of nitrous oxide.

Demonstrate the use of nitrous oxide equipment in administration to patients.