

Local Anesthetics, Vasoconstrictors and Clinical Dental Considerations



More than 54% of medical emergencies occur during or immediately following local anesthesia administration.

(JADA)

Management of odontogenic pain may be accomplished through a clinical approach that successfully incorporates intraoperative local anesthesia. However, improper and inappropriate use of local anesthetic agents has the potential to produce life-threatening, systemic adverse reactions. Thus, a thorough knowledge of the pharmacology and therapeutics of local anesthetic agents is essential for their safe and effective use.

This program will provide participants with an overview of local anesthetic agents commonly used in dental practice. Special emphasis will be given to developing strategies and techniques essential to accurately identify the need for pain control, individualize patient care, and assess the efficacy of the local anesthetic agents administered.



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Learning Objectives:

- Explain the basic mechanism of action of local anesthetic agents.
- Differentiate between the two major classes of local anesthetic agents with respect to their distribution, metabolism, adverse effects, drug interactions and contraindications.
- Discuss the rationale for the use of vasoconstrictors in local anesthetic solutions and their potential effects in common organ system disease states.
- Specify the various local anesthetic agent combinations most commonly used in dentistry and the rationale for their use in specific clinical situations.



Suggested Audience:

Dentist, Dental Hygienist, Full Team

Suggested Format:

Partial Day; Lecture, Workshop, Keynote