BAKER COLLEGE
STUDENT LEARNING OUTCOMES

DHY 1710 Dental Pain and Anxiety Control

3 Semester Hours

Student Learning Outcomes

1. Identify the anatomical landmarks on a patient for the following injections:
    a. Supraperiosteal infiltration
    b. Anterior superior alveolar nerve block
    c. Infraorbital nerve block
    d. Middle superior alveolar nerve block
    e. Posterior superior alveolar nerve block
    f. Greater palatine nerve block
    g. Nasopalatine nerve block
    h. Inferior alveolar nerve block
    i. Lingual nerve block
    j. (Long) buccal nerve block
    k. Mental nerve block
    l. Incisive nerve block
    m. Gow-Gates nerve block
    n. Akinosi nerve block

2. Identify which nerves, teeth and associated soft tissue structures are anesthetized with each of the above injections.
3. Describe the neuroanatomy of the trigeminal nerve.
4. Describe the physiological mechanism of nerve conduction, including the origin of pain, and how local anesthetic agents prevent the transmission of impulses.
5. Identify the signs and symptoms of reactions to local anesthetics.
6. Describe emergency protocol to manage adverse reactions to local anesthetics.
7. Identify common complications often seen with local anesthetics.
8. Associate the appropriate protocol to treat complications of local anesthesia.
9. Identify the pharmacology of commonly used local anesthetics, including vasoconstrictors.
10. Assess proper techniques for obtaining local anesthesia for all areas of the dentition.
11. Understand the pharmacologic effects and physiological mechanisms associated with the use of nitrous oxide anesthesia.
12. Describe the relationship between nitrous oxide and cardiovascular disease.
13. Identify which medical conditions are acceptable/unacceptable for nitrous oxide use.
14. Be able to identify the signs and symptoms of nitrous oxide sedation.
15. Be able to identify the effects of under/over-sedation.
16. Understand the proper titration and tidal volume for nitrous oxide usage.
17. Demonstrate the ability to perform various injections in the laboratory setting.
18. Relate the importance of obtaining adequate pain and anxiety control prior to and during quality dental care.

19. Practice teamwork activities related to patient/partner assistance and practice and sterilization.
20. Exemplify professional behavior and etiquette throughout all patient/partner procedures.

These SLOs are not approved for experiential credit.

Effective: Spring 2018