



# Ohio State Dental Board

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## APPLICATION FOR SPONSORSHIP OF LOCAL ANESTHESIA PROGRAM FOR DENTAL HYGIENISTS

Name of ADA-Approved Program, College, or University Providing Course

Do Not Write In This Space  
For Office Use Only

Street Address

Telephone Number

Mailing Address (if different than above)

Facsimile Number

Name of Program Administrator

Title

Course Title

### The Following Documentation Must Be Attached for Consideration of Approval

#### INSTITUTIONAL REQUIREMENTS

Proof of Dental and/or Dental Hygiene program accreditation from the American Dental Association Commission on Dental Accreditation.

#### CLASSROOM/CLINICAL FACILITY REQUIREMENTS

Acceptable program providers must provide adequate and appropriately maintained facilities to support the purpose/mission of the program. The physical facilities and equipment must effectively accommodate the schedule, the number of students, faculty and staff, and include appropriate provisions of safety. The instructor to student ratio must be no more than 1:6. Please supply evidence of the following:

##### For the Classroom:

- ◆ Classroom size accommodates the number of students enrolled in each class.
- ◆ Classrooms are designed and appropriately equipped for effective instruction.

##### For the Clinical Facility:

- ◆ Clinical facility must be available for students to obtain the required experience with faculty supervision
- ◆ Each treatment area must contain functional equipment, including but not limited to:
  - Power-operated chair(s) for treating patients in a supine position
  - Dental units and mobile stools for the operator and the assistant which are designed for the application of current principles.
  - Air and water syringe
  - Adjustable dental light
  - Oral evacuating equipment
  - Work surface
- ◆ Each treatment area must accommodate an operator and a patient as well as the student and faculty.
- ◆ Sterilizing area must include sufficient space for preparing, sterilizing and storing instruments.

## FACULTY REQUIREMENTS

Program faculty members must be competent educators who have a background in education theory and practice, methodology, current concepts relative to the specific subjects they are teaching, and current clinical practice. A supervising dentist or dental hygienist faculty member shall be present for all clinical portions of the program and shall be responsible for the learning experiences. Please supply the following:

- ◆ Faculty curriculum vitae indicating professional training and clinical experience in local anesthesia; and
- ◆ Proof of current dental or dental hygiene licensure or proof of current dental or dental hygiene teaching licensure for those supervising faculty members who are responsible for the teaching of the clinical portions of the program.

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## EDUCATIONAL REQUIREMENTS

The Board-approved training program/course must include a minimum of twenty-nine (29) hours of coursework of which a minimum of fifteen (15) hours are didactic and a minimum of fourteen (14) hours are clinical. Any remediation required is at the discretion of the program provider. Acceptable program providers must submit an outline indicating the number of hours in each curriculum area of study and objectives for the program which include, but are not limited to the following:

- Theory of pain control
- Selection of pain control modalities
- Anatomy
- Neurophysiology
- Pharmacology of local anesthetics
- Pharmacology of vasoconstrictors
- Psychological aspects of pain control
- Systemic complications
- Techniques of maxillary and mandibular anesthesia taught by a dentist or other qualified instructor
- Infection control
- Local anesthesia medical emergencies

Acceptable program applications must indicate the behavioral objectives for a clinical skills assessment portion of the training program.

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**This Space To Be Completed By The Ohio State Dental Board**

APPLICATION	DATE OF REVIEW	DATE OF APPROVAL
<input type="checkbox"/> Approved		
<input type="checkbox"/> Denied		

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## Ohio State Dental Board

Ohio Revised Code Sections 4715.231 and Ohio Administrative Code Section 4715-9-01

### Administration of Local Anesthesia by Ohio Licensed Dental Hygienist Guidelines

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#### 4715.231 Administration of local anesthesia.

- (A) As used in this section, "direct supervision" means a dentist licensed under this chapter is present, for purposes of consultation and direction, at the location where a dental hygienist performs the administration of local anesthesia to a patient. "Direct supervision" does not mean that the dentist must observe the administration of local anesthesia to a patient.
- (B) Under the direct supervision of a dentist, a dental hygienist may administer intraoral block and infiltration local anesthesia to a patient if the dental hygienist is in compliance with division (D) of this section and has done both of the following:
- (1) Successfully completed a course in the administration of local anesthesia approved by the board and offered by a dental or dental hygiene program that is accredited by the commission on dental accreditation of the American dental association.
  - (2) Within eighteen months of completion of the anesthesia course, successfully passed a state or regional written examination on local anesthesia approved by the board.
- (C) To be approved by the board, a local anesthesia administration course must contain not less than fifteen hours of didactic instruction and not less than fourteen hours of clinical experience and include instruction on each of the following subjects:
- (1) Theory of pain control;
  - (2) Selection of pain control modalities;
  - (3) Anatomy;
  - (4) Neurophysiology;
  - (5) Pharmacology of local anesthetics;
  - (6) Pharmacology of vasoconstrictors;
  - (7) Psychological aspects of pain control;
  - (8) Systemic complications;
  - (9) Techniques of maxillary and mandibular anesthesia taught by a dentist or other qualified instructor;
  - (10) Infection control;
  - (11) Local anesthesia medical emergencies.
- (D) A dental hygienist may administer local anesthesia only if the dental hygienist has obtained current certification to perform basic cardiac life-support procedures as required by section 4715.251 of the Revised Code.
- (3) Standard, diagnostic, radiologic procedures for the purpose of contributing to the provision of dental services.
- (C) The dental hygienist may also perform bleaching of teeth under the direct supervision of a licensed dentist (excluding procedures that utilize light amplification by stimulated emission of radiation (LASER) technologies).
- (D) A dental hygienist may administer intraoral block and infiltration local anesthesia to a patient under direct supervision of a dentist if, the following requirements are met:
- (1) The dental hygienist has completed a board-approved course in the administration of local anesthesia which meets the requirements set forth in division (C) of section 4715.231 of the Ohio Revised Code and is offered by a dental or dental hygiene program accredited by the American dental association commission on dental accreditation. The board-approved course may be offered as continuing education or as part of a curriculum for graduation from an accredited dental or dental hygiene program.
  - (2) Any dental hygienist who has met the educational requirements set forth in paragraph (D)(1) of this rule must take and pass the North east regional board of dental examiners, inc. local anesthesia examination or an equivalent examination approved by the board within eighteen months of the completion of the anesthesia training.
  - (3) The dental hygienist must be currently certified in cardiopulmonary resuscitation (CPR) through the American heart association or the American red cross.
- (E) In performing basic remediable intra-oral dental tasks and/or procedures, the licensed dental hygienist is subject to those rules regulating basic qualified personnel. However, dental hygienists may engage in the following duties when the dentist is not physically present, subject to the limitations outlined in section 4715.22 (C) and (D) of the Revised Code, which must be adhered to when performing these duties:
- (1) Aspiration and retraction, excluding placement of gingival retraction materials.
  - (2) Intra-oral instrument transfer.
  - (3) Preliminary charting of missing and filled teeth.
  - (4) Elastomeric impressions for diagnostic models and models to be used for opposing models in the construction of appliances and restorations.
  - (5) Taking impressions for the construction of custom athletic mouth protectors/mouthguards, and trays for application of medicaments.
  - (6) Application of disclosing solutions.
  - (7) Caries susceptibility testing.
  - (8) Demonstration of oral hygiene procedures, including, but not limited to, use of toothbrushes and dental floss.
  - (9) Application of topical anesthetics.
  - (10) Fluoride application.
  - (11) Topical applications of desensitizing agents to teeth.
  - (12) Application and removal of periodontal dressings.
  - (13) Intra-oral bite registrations for diagnostic model articulation.
  - (14) All supportive services necessary to the maintenance

#### 4715-9-01 Permissible practices of a dental hygienist.

- (A) The dental hygienist may perform the following acts in the following manner; the performance of the following tasks and/or procedures may be delegated only to a licensed dental hygienist under the supervision of a licensed dentist:
- (1) Removal of calcareous deposits or accretions from the crowns and roots of teeth.
  - (3) Periodontal scaling, root planing, and soft tissue curettage.
  - (4) Sulcular placement of prescribed materials.
- (B) The dental hygienist may also perform the following tasks and/or procedures under the supervision of a licensed dentist:
- (1) Polishing of the clinical crown(s) of teeth, including restorations;
  - (2) Pit and fissure sealants;

## Administration of Local Anesthesia by Ohio Licensed Dental Hygienist Guidelines (Continued)

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- of a hygienic practice environment, including, but not limited to, all sterilizing procedures.
- (15) All supportive services or procedures necessary to protect the physical well-being of the patient during routine treatment procedures and during periods of emergencies, including, but not limited to:
- (a) Physical positioning of the patient;
  - (b) Monitoring of vital signs;
  - (c) Assistance during administration of life-support activities; and
  - (d) Any other non-invasive procedures deemed necessary by the supervising dentist to maintain the health and safety of the patient.
- (16) All non-invasive supportive services and procedures necessary to the gathering and maintaining of accurate and complete medical and dental history of the patient, including but not limited to:
- (a) Taking photographs;
  - (b) Recording patient treatment;
  - (c) Measurement of blood pressure and body temperature; and
  - (d) Other common tests deemed necessary by the supervising dentist.
- (17) All extra-oral supportive laboratory procedures, including, but not limited to:
- (a) Repair, construction and finishing of metallic and plastic prosthetic devices; and
  - (b) Compilation of radiographic data for interpretation by the dentist, i.e., tracings, etc.
- (18) The preparation of impression materials.
- (19) All patient education services, including, but not limited to:
- (a) Progress reports;
  - (b) Consultations (oral or written);
  - (c) Oral hygiene instructions;
  - (d) Use of intra-oral hygiene devices;
  - (e) Normal nutrition information as it relates to dental health;
  - (f) Behavioral modification;
  - (g) Self adjustment of orthodontic appliances; and
  - (h) All other post-operative and post-insertion instructions, as deemed appropriate by the supervising dentist.
- (F) In performing advanced remediable restorative intra-oral dental tasks and/or procedures, the licensed dental hygienist is subject to those rules regulating expanded function dental auxiliaries.
- (G) Following submission of documentation to the Ohio state dental board showing completion of eight hours of education presented by a board approved permanent sponsor on nitrous oxide-oxygen (N<sub>2</sub>O-O<sub>2</sub>) analgesia and sedation, the dental hygienist may, under the direct supervision of a licensed dentist, monitor nitrous oxide-oxygen (N<sub>2</sub>O-O<sub>2</sub>) within the limits of conscious sedation, while providing treatment, after a satisfactory induction phase has been administered by the dentist.