



**APPLICATION FOR APPROVAL OF A COURSE IN THE USE OF THE ULTRASONIC SCALER**

**\$300 non-refundable application fee payable to  
 Dental Board of California is required for processing**

**Please return one original and  
 one copy of this application and  
 required documents.**

**Receipt #:** \_\_\_\_\_  
**File #:** \_\_\_\_\_

When submitting this application follow the attached regulations. All requested documentation as well as this completed application is required for a course to be considered for approval.

\_\_\_\_\_  
 APPLICANT (Sponsor of course) Phone Number

\_\_\_\_\_  
 ADDRESS

\_\_\_\_\_  
 CLINICAL FACILITY ADDRESS (If different)

TYPE OF COURSE: RDA \_\_\_\_\_ CERTIFICATION \_\_\_\_\_ CONTINUING EDUCATION \_\_\_\_\_

Type of program (Must be postsecondary) Community College \_\_\_\_\_ Dental School \_\_\_\_\_  
Private School \_\_\_\_\_ Vocational Program \_\_\_\_\_  
 Other \_\_\_\_\_ (Specify)

**PROGRAM FACULTY**

1. Name of Program Director: \_\_\_\_\_

DDS \_\_\_\_\_ RDH \_\_\_\_\_ RDA \_\_\_\_\_ License Number: \_\_\_\_\_ Expires \_\_\_\_\_

2. Instructors:

DDS _____	License# _____	Expires _____
RDH _____	License# _____	Expires _____
RDA _____	License# _____	Expires _____
RDA _____	License# _____	Expires _____

3. The RDA instructors shall hold valid California certificates in the use of the ultrasonic scaler. A copy of CPR certifications for all instructors must be submitted with this application.

4. Faculty/Student Ratio: Didactic \_\_\_\_\_ : \_\_\_\_\_ Lab \_\_\_\_\_ : \_\_\_\_\_ Clinical \_\_\_\_\_ : \_\_\_\_\_

5. Total length of ultrasonic scaling program/course (hours) \_\_\_\_\_  
(4-hour minimum)  
Didactic Hours\_\_\_\_\_ Laboratory Hours\_\_\_\_\_
  
6. What is the maximum number of students accepted for each course \_\_\_\_\_
7. Number of ortho banded typodonts \_\_\_\_\_ (minimum of 1 for every 4 students)
8. Number of ultrasonic scaler units \_\_\_\_\_ (minimum of 1 for every 4 students)
9. How many operatories are available at the facility? \_\_\_\_\_
10. Please provide a diagram of the operatories for training
11. A copy of all students' valid RDA license or proof of current enrollment in a board approved RDA program, and individual student records must be available for review by the Dental Board for a period of not less than 5 years.
12. Please provide a copy of complete curriculum, course outlines, objectives, and grading criteria.

THIS APPLICATION WILL BE REJECTED IF IT IS NOT COMPLETE, OR IF ANY REQUIRED DOCUMENTATION NOT INCLUDED IN THE SUBMISSION. SUBMIT 1 ORIGINAL AND 1 COPY OF ALL DOCUMENTS.

PLEASE COMPLETE THE FOLLOWING: I certify under penalty of perjury under the laws of the State of California that the statements made above and the information provided with this application are true and correct and that the attached ultrasonic scaling course will be conducted in accordance with Title 16 of the California Code of Regulations Section 1070.5.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title of person authorized to represent course

# ULTRASONIC SCALING COURSE REGULATIONS

Includes Changes Through January 1, 2006

## 1070.5. Approval of Ultrasonic Scaling Courses.

The following minimum criteria shall be met for a course in the removal of excess cement from coronal surfaces of teeth under orthodontic treatment by means of an ultrasonic scaler, hereinafter referred to as "ultrasonic scaling", to secure and maintain approval by the Board.

(a) Educational Setting. The course shall be established at the post-secondary educational level.  
(b) Prerequisites. Each student must possess the necessary requirements for application for RDA licensure or currently possess an RDA license.

(c) Administration/Faculty. Adequate provision for the supervision and operation of the course shall be made.

(1) The course director and each faculty member shall possess a valid, active, and current RDAEF, RDH, RDHEF, RDHAP, or dentist license issued by the Board, or an RDA license issued by the Board if the person has completed a board-approved course in ultrasonic scaling. All faculty shall have been licensed for a minimum of two years. All faculty shall have the education, background, and occupational experience and/or teaching expertise necessary to teach and evaluate ultrasonic scaling.

(2) The course director must have the education, background, and occupational experience necessary to understand and fulfill the course goals. He/she shall actively participate in and be responsible for the day-to-day administration of the course including the following:

(A) Providing guidance of didactic and laboratory assignments.

(B) Maintaining for a period of not less than 5 years:

(i) Copies of curricula, course outlines, objectives, and grading criteria.

(ii) Copies of faculty credentials, licenses, and certifications.

(iii) Individual student records, including those necessary to establish satisfactory completion of the course.

(C) Informing the board of any changes to the course content, physical facilities, and/or faculty, within 10 days of such changes.

(D) Length of Course. The program shall be of sufficient duration for the student to develop minimum competence in ultrasonic scaling, but shall in no event be less than 4 clock hours, including at least 2 hours of laboratory training.

(E) Evidence of Completion. A certificate or other evidence of completion shall be issued to each student who successfully completes the course.

(F) Facilities and Resources. Facilities and class scheduling shall provide each student with sufficient opportunity, with instructor supervision, to develop minimum competency in ultrasonic scaling. Such facilities shall include safe, adequate and educationally conducive:

(1) Lecture classrooms. Classroom size and equipment shall accommodate the number of students enrolled.

(2) Operatories. Operatories shall be sufficient in number to allow a ratio of at least one operatory for every six students at any one time.

(A) Each operatory shall replicate a modern dental office containing functional equipment including: a power-operated chair for treating patients in a supine position; operator and assistant stools; air-water syringe; adjustable light; oral evacuation equipment; work surface; hand-washing sink; and all other armamentarium required to instruct in the performance of ultrasonic scaling.

(B) Each operatory must be of sufficient size to accommodate a student and an instructor at one time.

(3) Laboratories. The location and number of general use equipment shall assure that each student has the access necessary to develop minimum competency in ultrasonic scaling. There shall be at least one ultrasonic unit and orthodontically banded typodont for every four students. This procedure shall be performed by an operator wearing gloves, mask, and safety glasses.

(4) Infection Control. The program shall establish written laboratory protocols to ensure adequate asepsis, infection and hazard control, and disposal of hazardous wastes, which shall comply with the board's regulations and other Federal,

State, and local requirements. The program shall provide such protocols to all students, faculty, and appropriate staff to assure compliance with such protocols. Adequate space and equipment shall be provided for preparing and sterilizing all armamentarium.

(g) Program Content.

(1) Sufficient time shall be available for all students to obtain laboratory experience to achieve minimum competence in the various protocols used in the performance of ultrasonic scaling.

(2) A detailed course outline shall be provided to the board which clearly states curriculum subject matter and specific instruction hours in the individual areas of didactic and laboratory instruction and practical examination evaluation criteria.

(3) General program objectives and specific instructional unit objectives shall be stated in writing, and shall include theoretical aspects of each subject as well as practical application. The theoretical aspects of the program shall provide the content necessary for students to make judgments regarding the performance of ultrasonic scaling. The course shall assure that students who successfully complete the course can perform ultrasonic scaling with minimum competence.

(4) Objective evaluation criteria shall be used for measuring student progress toward attainment of specific course objectives. Students shall be provided with specific unit objectives and the evaluation criteria that will be used for all aspects of the curriculum including written and practical examinations. The program shall establish a standard of performance that states the minimum number of satisfactory performances that are required for each procedure.

(5) Areas of instruction shall include at least the following as they relate to ultrasonic scaling:

(A) Ultrasonic Scaling Basics

i. Legal requirements;

ii. Description and goals of ultrasonic scaling;

iii. Indications and contraindications of using an ultrasonic scaler as it relates to other methods of cement removal;

iv. Criteria for acceptable cement removal from orthodontically banded teeth.

(B) Tooth morphology and anatomy of the oral cavity as they relate to the use of an ultrasonic scaler in cement removal of orthodontically banded teeth.

(C) Armamentarium and equipment use and care.

(D) Principles of cement removal from orthodontically banded teeth

i. Characteristics of ultrasonic scaler units and tips for cement removal;

ii. Instrument grasps and fulcrum techniques;

iii. Purpose and techniques of the mouth mirror for indirect vision and retraction;

iv. Characteristics, manipulation and care of ultrasonic scaler unit when removing excess cement from orthodontically banded teeth;

v. Effects of ultrasonic scalers on hard and soft tissue including root damage, enamel damage, thermal damage, and soft tissue damage;

vi. Patient and operator safety including systemic medical complications and managing patients with pacemakers;

vii. Use of adjunct material for removal of excess cement from orthodontically banded teeth;

viii. Techniques for removal of excess cement from orthodontically banded teeth on a banded typodont;

ix. Evaluation criteria for removal of excess cement by an ultrasonic scaler on a banded typodont.

(E) Infection control protocols

(6) There shall be no more than six (6) students per instructor during laboratory instruction. Laboratory experience will consist of practice on orthodontically banded typodonts. Sufficient time shall be available for all students to obtain laboratory experience to achieve minimum competence in the performance of ultrasonic scaling prior to examination on two orthodontically banded typodonts for evaluation of clinical competence.

(h) Extramural Instruction.

(1) If an extramural facility is utilized, students shall, as part of an organized program of instruction, be provided with planned, supervised instruction in the removal of excess cement from orthodontically banded teeth.

- (2) The program director/coordinator or a dental faculty member shall be responsible for selecting extramural sites and evaluating student competence in performing procedures both before and after the extramural assignment.
  - (3) Objective evaluation criteria shall be used by the program faculty and extramural personnel.
  - (4) Dentists who intend to provide extramural facilities shall be oriented by the program director/coordinator or a dental faculty member prior to the student assignment. Orientation shall include the objectives of the course, the preparation the student has had for the clinical assignment, and a review of procedures and criteria to be used by the dentist in evaluating the student during the assignment.
  - (5) There shall be a written contract of affiliation with each extramural facility utilized by the program. Such contract shall describe the settings in which the instruction will be received, affirm that the extramural facility has the necessary equipment and armamentarium appropriate for the procedures to be performed, and affirm that such equipment and armamentarium are in safe operating condition.
- (i) Evaluation and Examination.
- (1) Upon completion of the course, each student must be able to:
    - (A) Identify the major characteristics of oral anatomy, histology, physiology, oral pathology, normal/abnormal anatomical and physiological tooth descriptions, morphology and microbiology as they relate to the use of an ultrasonic scaler in the removal of cement from orthodontic bands.
    - (B) Describe the necessary aspects of pre-operative instructions to patients.
    - (C) Recognize loose appliances.
    - (D) Recognize decalcification and mottled enamel.
    - (E) Identify the indications and contraindications of using an ultrasonic scaler as it relates to other methods of cement removal.
    - (F) Identify pre-medications for the compromised patient.
    - (G) Utilize proper armamentaria in an organized sequence for the use of an ultrasonic scaler in cement removal on an orthodontically banded typodont.
    - (H) Demonstrate, on an orthodontically banded typodont, the proper instrument grasp, fulcrum position, and cheek/tongue retraction.
    - (I) Demonstrate the proper techniques for removal of cement from teeth under orthodontic treatment without causing damage to hard or soft tissues, removing cement from underneath appliances, or loosening appliances.
    - (J) Maintain aseptic techniques including disposal of contaminated materials.
  - (2) Each student shall pass a written examination which reflects the entire curriculum content.
  - (3) Each student shall pass a laboratory examination on two orthodontically banded typodonts which represent all four quadrants which have been banded using cementation product(s) easily visible to the operator.

**Note: Authority cited: Section 1614, Business and Professions Code. Reference: Section 1754, Business and Professions Code. Operative 8-20-05.**