

THE SAUDI COMMISSION FOR
HEALTH SPECIALTIES



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لطب وجراحة الفم والاسنان
SCIENTIFIC DENTAL BOARD



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PREPARED BY :
PERIODONTIC SCIENTIFIC COMMITTEE

**The Saudi Board in Periodontics
(SB-Perio)**

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MAY 2009

I. Introduction

Periodontics is that branch and specialty of Dentistry concerned with the diagnosis, prevention, and treatment of diseases of the supporting and surrounding tissues of the teeth or their substitutes and the maintenance of the health, function and aesthetics of these structures and tissues.

The Saudi Board in Periodontic [SB-Perio] Program is a four year program designed to satisfy the needs of those who wish to acquire high skills, knowledge and experience in clinical Periodontics, as well as a background in biological sciences. Significant training will be given in implantology, periodontal plastic surgery, oral reconstructive surgery, and periodontal medicine. Educational objectives are accomplished through lectures, seminars, case presentation, conferences and clinical practice.

The trainees perform diagnosis, management and treatment of patients requiring periodontal therapy. The clinical aspects of diagnosis, case selection, planning of periodontal treatment, both non-surgical and surgical, are covered under the supervision of experienced clinical instructors. Residents are responsible for all aspects of their assigned patients, including routine treatment of special cases, and emergencies.

II. Program Goals and Objectives

The primary goal of the SB-Perio Program is to provide instruction and clinical experience in Periodontics at an advanced level, enabling the dentist to become a trained Specialist who is familiar with all aspects of the theoretical and practical knowledge, and skills pertinent to the specialty. Graduates of this program should be able to:

1. Review information from the biomedical sciences and relate the information to the practice of Periodontics.
2. Diagnose, treat, and maintain patients with advanced periodontal disease utilizing current concepts in the etiology, pathogenesis, patient management, prevention and systemic implications of periodontal disease.

3. Place dental implants in edentulous and partially edentulous jaws of patients and develop a program of maintenance.
4. Critically evaluate pertinent literature.
5. Contribute to the available knowledge in the field of dentistry by means of a research project which includes a submitted manuscript for publication.
6. Plan and participate in oral health programs for the prevention and control of oral diseases and promotion of oral health.
7. Communicate effectively with dental colleagues and other health professionals.
8. Supervise treatment procedures by dental hygienists.

III. Admission Requirements

Applicants seeking admission into the SB-Perio Training Program should fulfill the following requirements.

- A Bachelor of Dental Surgery degree (BDS) or equivalent from a recognized university.
- Successful completion of an internship year in General Dentistry (12 months).
- Passing the entry exam set by the Saudi Commission for Health Specialties.
- Competitive selection examination process set by the SB-Perio program (Scientific Committee).
- Provision of at least three (3) confidential recommendation letters from consultants as to the suitability of the applicant for training which must include a letter from the candidate's immediate supervisor.
- Letter of no objection from the applicant's sponsor indicating that the applicant can be in a full time training program for the entire period of four (4) years.
- Applicant should be registered with the Saudi Commission for Health Specialties as trainee.
- Applicant should pay the application and training fees.
- Signed obligation to abide by the rules and regulations of this training program.

IV. Program Training Centers

The Saudi Board in Periodontics [SB-Perio] program is governed by the rules and regulations of the Saudi Commission for Health Specialties (SCHS). The program will be conducted at various training centers which are accredited by the SCHS. The accreditation procedure is conducted by a committee according to the criteria of the SCHS. In addition, the following requirements should be taken into consideration.

- The training center must provide a readily accessible facility for comprehensive dental treatment.
- The training center should have resources sufficient for the training of residents.
- Residents assigned to a specific training center must have clinical privileges and are subject to the rules and regulations of the training center.

V. Program Contents

The didactic component of the curriculum consists of formal coursework that extends the entire four (4) years of the program. Teaching methodology includes small group seminars, lectures, hands-on-preclinical work, self-study, etc. A variety of formats are employed to ensure a rich educational experience. Great emphasis is placed on foundational biomedical knowledge in clinically-relevant fields such as microbiology and connective tissue biology. The curriculum is structured so as to link, when possible, the basic science with clinical science with clinical applications.

A large portion of the curriculum is devoted to Implantology and related clinical disciplines such as regeneration and sinus augmentation. In order to add breath to the program, conjoint seminars will be held with faculty from diverse disciplines including Biomedical/Medical faculty, Oral and Maxillofacial Surgery, Orthodontics, Endodontics and Prosthodontics.

A. Didactic of Basic Sciences Topics

1. Oral Pathology

This course is designed to provide a broad review of the major pathologic processes that affect the oral and maxillofacial areas. Lectures will include acquired and developmental disturbances of the teeth and associated oral structures, benign and malignant tumors of the oral cavity, cysts and tumors of odontogenic origin, diseases of the periodontium, white lesions, pigmented lesions, vesiculo-bullous diseases, spread of oral infection and healing of oral wounds.

2. Oral Microbiology

The purpose of this course is to provide the resident with a survey of selected topics in oral microbiology relevant to oral infections and diseases. In addition, it will cover the principles of immunology and in particular oral immunological processes. The important viral, bacterial and mycotic infections of the oral cavity will be covered together with diseases caused by defect in the immune system.

3. Oral Biology and Histology

The purpose of this course is to provide the resident with a survey of selected topics in oral biology relevant to oral structures, functions and diseases.

4. Head and Neck Anatomy

The course should provide the resident with the necessary knowledge of head and neck anatomy, which involves the anatomy of the skull, face, oral and nasal cavities. The course includes the study of muscles, internal organs of head and neck, lymphatic drainage, blood supply, and innervations.

5. Pharmacology

The course should provide the resident with the understanding of basic pharmacological principles such as drug action, drug interactions and adverse reactions. Specific drug groups of concern to Periodontics will be emphasized. Proper techniques of prescription writing will be reviewed.

6. Dental Ethics

The prime goal of this course is to promote the resident's education in dental ethics. This course will cover the related issues ranging from ordinary chairside decision making to contagious diseases (e.g. HIV/AIDS) and ethical practices. This course will guide the residents to an understanding of the essential practice of ethics. The course will highlight on the necessity for the role of awareness of legal process and civil law, forensic dentistry, by the practitioner in addition to other related subjects.

7. Practice Managements

In this course, different aspects of successful practice with emphasis on Periodontics will be discussed. The following topics will be covered: quality assessment and quality assurance, management of auxiliaries and other office personnel, maintenance and management of patients' records, principle of peer review, business management including the understanding of the third party payment and professional practice development, infection control, environmental health management and alternative health care delivery systems.

8. Dental Biostatistics

Topics covered include variables, frequency distribution, sampling measurement of central tendency, variance and measurement of dispersion, various statistical tests, analysis and probability.

9. Educational Methods

The residents, regardless of their future professional expectations, will be exposed to the methods of teaching, curriculum development, and instructional objectives, instructional media, audio-visual teaching and learning aids and assessment methods for knowledge, skills and attitude.

10. Research Design and Scientific Writing

Emphasis will be made on the various methods of research design, in addition to the ethical aspects of research on animals and humans. The resident shall learn to write a protocol for a research project, interpret own research findings and present research findings, in oral and written forms.

11. Pain and Anxiety

This course offers a general overview of pain. It reviews transmission mechanisms, neurotransmitters and their role as neuroregulators. Various factors affecting pain threshold are discussed. The neurology and classification of head and neck pains are detailed as well as the neurology and classification of head and neck are discussed. There is also an in depth review of the dental and non-dental condition responsible for head and neck pain. Diagnostic procedures, including cranial nerve examination and masticatory muscle examinations are developed in detail.

12. Oral Medicine

The course will cover several aspects of general patient assessment and management. This will include data collection, analysis, diagnosis, prognosis and treatment planning. Also, it will include brief management of some common oral soft and hard tissue conditions, extra and intra oral swellings, pre-malignant lesions, facial pain and TMJ disorders.

13. Oral Radiology

This course will provide the resident with knowledge of radiation physics, radiation biology, hazards and protection, advanced imaging techniques and diagnostic oral radiology.

14. Dental Informatics

This course will introduce resident to basics of computers and the most common computer applications. Basic computer skills will help residents use computer-aided instruction software in the basic and dental sciences. Word processing skills will be useful for assignments that involve writing. Also, on using computers in the dental office, topics on components and functions of practice management programs, computer based oral health records, digital imaging will be covered. The course will focus on emerging clinical applications vital to the delivery of dental care in the 21st century. The course will deliver education in a rapidly evolving field when residents need it most: shortly before graduation

15. Cardio-pulmonary Resuscitation

This course involves the study and practice of the skills used in artificial respiration and artificial circulation when cardiac arrest occurs. Upon completion of the course the resident must be able to pass the written examination on the principles and techniques of CPR as recommended by the Saudi Heart Association.

B. Specialty Topics

1. Periodontal Literature Review

The purpose of this course is to provide detailed information and discussion of the classic literature related to the various topics. Reading lists will be provided to the residents. The residents will be expected to present summaries and a critical evaluation of relevant articles or texts for group discussion. Further details of the organization of these seminars and tutorials will be given at the start of the program.

All articles reviewed in this course will be considered for placement into the literature review course and questions will be given out of these articles at the end of the year.

Evaluation

The resident's oral presentation, written abstract and knowledge will be used as means of evaluation. A written exam will be given to the resident at the yearly evaluations.

2. Periodontal Therapy

The course will be given in a lecture format that analyzes the periodontal and related literature providing rationale, technique, and sequela for the clinical practice of periodontics. Non-surgical and surgical periodontal therapy will be addressed.

3. Case Presentation Seminar

During the second year, residents will be required to present the various phases of treatment of their patients for discussion within the group. This will provide residents with the opportunity to see and discuss a wide range of problems. Emphasis will be placed on diagnosis and treatment planning.

a. Rationale

Resident's presentation of clinical cases will serve as the basis for discussion of diagnosis and treatment philosophies and for evaluation of resident's clinical performance.

b. Materials

Residents are required to present cases, which demonstrate a broad spectrum of treatment procedures with justification and thorough documentation. The diversity and complexity must document exceptional skill and expertise in periodontal treatment. Each trainee should demonstrate a clear and precise understanding of the rationale for a course of treatment, for a differential diagnosis, for alternative approaches to treatment and of the biological basis for modern periodontal practice. Consultations, as needed to support the presentations, are pre-requisite to cases presented.

c. Calendar of Activities

The schedule of seminars and assignments will be distributed before the commencement of the course.

d. Evaluation

The following categories will be evaluated:

- Diagnostic approach
- Clinical approach
- Rationale of therapy
- Background literature

Supervisors will observe and evaluate the case presented, the quality of the resident's response, familiarity, experience and the manner of presentation, confidence and authority.

4. Text Book Review

The objective of this course is to review current techniques and philosophies of periodontal practice as presented in current textbooks. The texts recommended are the latest editions of:

- Clinical Periodontology and Implant Dentistry.
- Carranza's Clinical Periodontology.

- Periodontal Therapy.
- Implant Therapy: Clinical Approaches and Evidence of Success.
- Contemporary Implant Dentistry / Carl E. Mish

The course will have a weekly seminar format in the large training center. The assignments must be submitted on paper. Residents will edit answers to the questions as his/her assigned text presents the material. The book review is expected to satisfy the followings:

- a. Give advanced experience to candidate to have a broad picture of books from graduate level rather than undergraduate study.
- b. Discuss topics rather than chapters to give the same topic of different concepts, approaches and opinions.
- c. Conduct a comparison between periodontal methods or techniques regarding different schools of thoughts.

Evaluation will depend upon resident's effort, participation in oral and written presentations. In addition, an examination will be held at the end of each year.

5. Hospital Anesthesia Rotation:

This one-month rotation will expose the resident to the methods of pain and anxiety control. The resident will be assigned to the department of Anesthesiology in the affiliated institution and/or Oral Surgery clinic. The resident will attend, assist or operate during their operating room sessions. Emphasis is on operating room procedures, airway management, intravenous technique, anesthetics, and resuscitative procedures. The resident will also be exposed to the concepts of parental conscious sedation techniques including anatomy and physiology of the respiratory, cardiovascular, and central nervous system; drug pharmacology; intravenous technique; prevention, recognition, and management of complications and management of emergencies.

6. Implantology

This course is an introduction to dental implant therapy using a combination of lecture, DVD implant lecture, laboratory and panel discussion

sessions. Topics include materials science, histology of osseointegrated and failing dental implants, medical/psychological considerations, treatment planning the edentulous and partially edentulous patient, surgical and prosthetic techniques, periodontal considerations, long-term maintenance of the dental implant, occlusion and restorative options.

7. Periodontal Journal Club

This is a literature seminar designed to acquaint residents with the current periodontal literature. All of the major journals devoted to Periodontics and dental implant are reviewed selectively. Selected articles are also reviewed from other major journals. The purpose of this seminar is to provide experience in reading, abstracting, and evaluating the most recently published ideas and concepts in the field of Periodontology and Dental Implantology

8. Occlusion

The literature on the subject of occlusion is reviewed and discussed as it relates to the etiology and treatment of periodontal disease. Topics, such as neurophysiology of occlusion, parafunction, trauma from occlusion, and secondary traumatism are included.

9. Periodontics for the Medically Compromised Patient

The goal of this course is to give the resident a simple but comprehensive approach in evaluating the physical and psychological status of a patient prior to treatment to avoid therapeutic conflict and medical emergencies.

This course will consist of a review of basic principles in the management of medically compromised patients as well as concentrated reviews of specific areas such as oral health in cancer therapy, organ transplants, diabetes, steroid therapy and management of patients with HIV. The role of the dental team in treating patients with common systemic disorders, such as infectious disease, cardiovascular disease and those requiring antibiotic prophylaxis will be discussed.

Objectives

- Discuss basic principles in the management of medically compromised patients.
- Determine potential information required from the medical team prior to the management of medically compromised patients.
- List potential dental treatment modifications in specific groups of medically compromised patients.
- Provide dental care to medically compromised patients with greater confidence.
- Describe measures for managing the oral sequela of radiation and chemotherapy.

10. Periodontics Interdisciplinary Seminars

Seminars focusing on the interrelation of Periodontics with other specialties, such as Endodontics, Orthodontics, Pediatric Dentistry, and Prosthodontics.

○ ***Periodontic–Endodontic Interdisciplinary Seminars***

A seminar held in conjunction with Endodontics on the clinical, cellular, and molecular aspects of inflammation as it relates to acute inflammation of endodontic origin, chronic destructive periodontal disease, and to healing and repair of periodontal wounds.

○ ***Periodontic / Pediatric Dental Interdisciplinary Seminars***

Seminars on periodontal disease in Pediatric and adolescent dental patients. Literature of common interest to both specialties is reviewed and discussed in conjunction with residents in pediatric dentistry.

○ ***Periodontic / Prosthodontic Interdisciplinary Seminars***

Seminars on the related problems of Periodontics with Prosthodontics. Literature of common interest to both specialties is reviewed and discussed with residents in Prosthodontics.

- ***Periodontic / Orthodontic Interdisciplinary Seminars***

Seminars on the related problems of Periodontics with Orthodontics. Literature of common interest to both specialties is reviewed and discussed with residents in orthodontics

11. Dental Photography and Imaging

Provides residents with sufficient knowledge and experience to select and use correct photographic equipment for photographing patients (facial and intra-oral), casts, instruments, x-rays, charts and objects.

C. Pre-Clinical Surgical Training

I. Pre-Clinical Periodontal Surgical Instrumentation Course:

This is a four (4) weeks laboratory training course given to the residents in the first year of the program with the aim of:

1. To train the residents on the use of surgical and non-surgical instruments on specific periodontal models.
2. To introduce the residents to the surgical instruments used in periodontal surgeries and how to organize it during the clinical sessions.
3. To introduce the surgical techniques of different periodontal surgeries on an animal models. The residents are expected to practice these various surgical techniques on the head of sheep. Also, the residents will practice different suturing techniques including simple interrupted, continuous, mattress, and sling types.

II. Pre-Clinical Dental implants Course:

In the second year of the program, the residents will have 2 weeks hands-on implant training course on jaw models (provided by the companies of the chosen implant systems) and 1 week training course on the surgical techniques of implant placement on animal models.

It is expected from each resident to fully familiarize himself with all implant parts for each system including fixtures and prosthetic components as well as the steps of implant placement procedure.

They are also expected to practice the surgical implant placement techniques on the head of sheep as well as the different suturing techniques following implant surgery.

D. Clinical Training

I Goals

Clinical training is designed to enable residents to:

1. Collect, organize, analyze and interpret data.
2. Interpret radiographs as they relate to the diagnosis of periodontal diseases and dental implants.
3. Formulate a diagnosis and a prognosis.
4. Develop a comprehensive treatment plan.
5. Understand and discuss a rationale for the indicated therapy.
6. Evaluate critically the results of therapy.
7. Communicate effectively to patients and evaluate the nature of their periodontal health status and treatment needs.
8. Communicate effectively with dental and other health care professionals, interpret their advice and integrate this information into the treatment of the patient.
9. Integrate the current concepts of other disciplines into Periodontics.
10. Organize, develop, implement and evaluate periodontal disease control programs for patients.
11. Organize, develop, implement and evaluate a patient recall program and provide supportive periodontal therapy.
12. Utilize allied dental personnel effectively.
13. Organize, develop and implement an infection control program for a dental practice setting.

II Case Type and Documentation

The program is designed such that each resident completes an adequate number and variety of acceptable fully documented and treated cases to a level that (a) periodontal health is achieved, (b) initiating and contributory factors in the etiology of periodontal disease are controlled, and (c) a schedule for supportive periodontal therapy is organized for the patients. Such cases will include all case types, but will reflect a majority of case

types III and IV, (moderate to advanced disease), as defined by The American Academy of Periodontology. It is the intent of the program that residents treat a variety of patients with different periodontal diseases, including chronic periodontitis, aggressive periodontitis, periodontitis associated with systemic disease, necrotizing ulcerative periodontitis and refractory periodontitis.

It is anticipated that at least 20 fully documented cases will be completed by each resident. Including patients referred for prescribed surgical procedures, it is expected that approximately 200-250 surgical procedures will be performed.

An ongoing record of the number and variety of such clinical experiences accomplished by each resident will be maintained by the Resident and the Program Director. This ongoing record includes periodontal diagnosis, case type, and periodontal treatment. Residents are required to track their clinical accomplishments using an evaluation form that will be signed and should be continuously available to the Program Director, and discussed formally and in detail with the Director at the end of each semester.

Clinical Supervisor's approval of *all* patient treatment plans is required prior to *any* treatment. This is a program policy, irregardless of whether the patient will be a fully documented comprehensive case, referred for a specific surgical procedure, or if non-surgical methods will be used.

The educational program provides clinical training for the resident to the level of proficiency. This includes, but is not limited to, the following treatment methods (*this includes an in-depth knowledge of the rationale, advantages and disadvantages of each treatment modality*):

- a. Scaling and root planing.
- b. The adjunctive use of chemotherapeutic agents to prevent, treat and/or control periodontal diseases including, but not limited to, local, topical and systemic medications and their delivery systems.
- c. Gingivectomy/ Gingivoplasty.

- d. Gingival/ Mucoperiosteal flaps, including gingival flap procedures, apically positioned flaps and coronally positioned flaps.
- e. Periodontal osseous resective surgery (osteoplasty and ostectomy).
- f. Root resection in the management of periodontal disease.
- g. Tooth extraction in the course of periodontal therapy.
- h. Periodontal regenerative therapies, including bone or bone substitute grafts and guided tissue regeneration.
- i. Occlusal treatment to include occlusal adjustment; selective grinding; stabilization/splinting, including bite-guard therapy.
- j. Management of endodontic-periodontal lesions, with treatment performed in conjunction with endodontic consultation.
- k. Functional and esthetic periodontal procedures including gingival augmentation/ridge augmentation, as well as gingival, connective tissue and pedicle grafts.

The educational program also is designed to provide in-depth clinical training to the level of competency in dental implants, as defined in each of the following areas:

- a. Surgical preparation of the implant site.
- b. Surgical placement of implants.
- c. Management of peri-implant tissues.

III Minimum Expected Clinical Experiences

The following procedural requirements are intended to serve as a guideline for **minimum** numbers of procedures that will be required by the average resident to obtain the appropriate degree of proficiency, competency or exposure to a variety of procedures or techniques. It is anticipated that most residents will complete *significantly greater* numbers of procedures than those noted below. In

addition, the numbers of procedures may be further modified to accommodate changes in program requirements, patient availability, and the needs or interests of the residents.

Although the minimum length of the *clinical program* is four (4) years, this should be considered a general guideline, as *competency is not determined by program length or numbers of completed procedures*. As stated in the Program goals and objectives, the Certificate of Specialty in Periodontics will not be awarded until each resident demonstrates the indicated level of proficiency/competency/ exposure in each subject area. Consequently, clinical time may be extended as needed to meet the required levels of competency.

Clinical Requirements:

| Clinical Requirements | | Minimum Number |
|------------------------------|--|----------------|
| I | Minimum fully documented periodontal cases | 20 |
| a. | Generalized Moderate Chronic Periodontitis | 8 |
| b. | Generalized Advanced Chronic Periodontitis | 6 |
| c. | Aggressive Periodontitis | 3 |
| d. | Moderate to advanced Periodontitis associated with Systemic diseases | 3 |
| II | Minimum non-surgical requirements which are either included in the fully documented cases or referred for non-surgical procedures only. | |
| a. | Subgingival scaling and root planing (quadrants) | 125 |
| b. | Localized delivery of chemotherapeutic agents | 5 |
| c. | Provisional splinting, extracoronary or intracoronary | 5 |
| d. | Management of bruxism (Night Guard) | 5 |
| e. | Periodontal maintenance (Resident's own cases) | 20 |
| f. | Periodontal maintenance (supervision of hygienist) | 10 |
| III | Isolated surgical cases which should include at least the followings: | 151 |

| | | |
|-----------|---|----|
| a. | Gingivectomy and/or gingivoplasty | 10 |
| b. | Gingival or apically repositioned flap procedure | 15 |
| c. | Clinical crown lengthening, hard tissue | 30 |
| d. | Esthetic crown lengthening | 5 |
| e. | Periodontal surgical osseous recontouring | 15 |
| f. | Bone replacement graft (periodontal bone defects) | 10 |
| g. | Guided tissue regeneration, resorbable or nonresorbable barrier | 5 |
| h. | Free gingival graft | 5 |
| i. | Subepithelial connective tissue graft | 5 |
| j. | Distal or proximal wedge procedure | 8 |
| k. | Root amputation/Hemisection | 2 |
| l. | Ridge augmentation/ hard tissue | 4 |
| m. | Ramus /chin graft | 4 |
| n. | Socket preservation | 4 |
| o. | Surgical placement of implant fixture | 20 |
| p. | Sinus augmentation | 2 |
| q. | Combined periodontal/orthodontic case | 2 |
| r. | Combined periodontal/endodontic case | 5 |

III Evaluation and Outcomes Assessment

Residents are evaluated on the basis of performance on both written and oral examinations of materials presented in didactic courses, as well as on clinical proficiency. Although clinical performance feedback is offered on a daily basis, the Program Director and other instructors will formally evaluate the clinical competency of each resident and relate their progress relative to their stage in the program every three (3) months

The second part of clinical evaluation is assessment of the case presentation. Each resident should present one (1) completed fully documented periodontal case to the scientific committee at the end of each year (**total four (4) cases in four (4) years**). The scientific committee will examine the candidate on all aspects of his/her presentation, as well as material arising from the case.

VI. Evaluation

A. Resident Evaluation

i. Periodic Evaluation:

A periodic formal evaluation of the resident during their residency program will be implemented. This is to determine whether they are meeting the qualitative and quantitative standards of the program.

Documentation of the resident's progress in the program and resident activities must be maintained by the Program Director and should always be available for review.

ii. Clinical Evaluation:

The resident should provide evidence of completing clinical cases in fulfillment of the minimum requirements.

iii. Examinations:

1. End Year Examination (Promotion Exam): An annual comprehensive oral and written examination on various periodontal subjects will be held at the end of each year. This is to determine whether the residents are meeting the qualitative and quantitative requirements and standards of the program and can be promoted to the following year.

2. Part I Exam:

This Examination shall be held according to the general examination rules and regulations of the Saudi Commission for Health Specialties.

3. Part II Exam (Graduation Exam):

This Examination shall be held according to the general examination rules and regulations of the Saudi Commission for Health Specialties.

B. Program

The scientific committee must regularly evaluate the degree which the program goals are being met.

C. Certification

The successful resident will be awarded the Saudi Board in Periodontics [SB-Perio] upon completion of all the requirements as well as the final certificate examination.

Appendix I: Summary of SB-Perio Teaching Hours:

| Didactic Of Basic Sciences | | | | | | |
|-----------------------------------|--------------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|--------------|
| Topic | | No. of Teaching Hours | | | | |
| | | 1st year | 2nd year | 3rd year | 4th year | TOTAL |
| 1. | Oral Pathology | 20 | - | - | - | 20 |
| 2. | Oral Microbiology | 20 | 10 | - | - | 30 |
| 3. | Head and Neck Anatomy | 20 | - | - | - | 20 |
| 4. | Oral Biology and Histology | 10 | - | - | - | 10 |
| 5. | Pharmacology | 10 | 10 | 10 | - | 30 |
| 6. | Dental Ethics | 10 | - | - | - | 10 |
| 7. | Practice Managements | - | - | 10 | 10 | 20 |
| 8. | Dental Biostatistics | - | 10 | 10 | - | 20 |
| 9. | Educational Methods | - | - | 10 | - | 10 |
| 10. | Research Design & Scientific Writing | - | 10 | 10 | 10 | 30 |
| 11. | Pain and Anxiety | 20 | - | - | - | 20 |
| 12. | Oral Medicine | 10 | - | - | - | 10 |
| 13. | Oral Radiology | 20 | - | - | - | 20 |
| 14. | Dental Informatics | - | 10 | - | - | 10 |
| 15. | Cardio-pulmonary Resuscitation | 20 | - | - | - | 20 |
| T O T A L | | 160 | 50 | 50 | 20 | 280 |

| Specialty Topics | | | | | | |
|-------------------------|---|------------------------------|----------------------------|----------------------------|----------------------------|--------------|
| Topic | | No. of Teaching Hours | | | | TOTAL |
| | | 1st year | 2nd year | 3rd year | 4th year | |
| 1. | Periodontal Literature Review | 60 (20x3)* | 120 (40x3)* | | | 180 |
| 2. | Periodontal Therapy | 10 | 10 | | | 20 |
| 3. | Case Presentation Seminar | 30 (10x3)* | 60 (20x3)* | 60 (20x3)* | 60 (20x3)* | 210 |
| 4. | Text Book Review | 24 | 24 | | | 48 |
| 5. | Hospital Anesthesia Rotation | | 160 | | | 160 |
| 6. | Implantology | | 10 | 20 | 20 | 50 |
| 7. | Periodontal Journal Club | 60 (20x3)* | 60 (20x3)* | 120 (40x3)* | 120 (40x3)* | 360 |
| 8. | Occlusion | | 20 | | | 20 |
| 9. | Periodontics for the Medically Compromised Patient | | 10 | 10 | | 20 |
| 10. | Periodontic/Endodontic Interdisciplinary Seminars | | | 10 | | 10 |
| 11. | Periodontic/Prosthodontic Interdisciplinary Seminars | | 10 | | | 10 |
| 12. | Periodontic/Orthodontic Interdisciplinary Seminars | | | 10 | | 10 |
| 13. | Periodontic/Pediatric Dental Interdisciplinary Seminars | | | 10 | | 10 |
| 14. | Dental Photography and Imaging | 10 | | | | 10 |
| 15. | Pre-clinical Training | 10 | 10 | | | 20 |
| 16. | Clinical Practice | 672(28x24)* | 864(36x24)* | 960(40x24)* | 960(40x24)* | 3456 |
| T O T A L | | 876 | 1358 | 1200 | 1160 | 4594 |

* Weeks x hour

For more Information please contact:

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HEALTH SPECIALTIES**

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