Advanced Education Program in Pediatric Dentistry

The Advanced Education Program in Pediatric Dentistry of the University of Puerto Rico, School of Dental Medicine was approved by the Council of Dental Education of the Commonwealth of Puerto Rico in the certification number 60 of 1965-66.

Program started in 1969 with three (3) students. The first Program Director was Dr. Jorge Fernández-Pabón. The following year, the American Dental Association Agency of Accreditation fully approved the Program.

Since the beginning of this Program, there have been eight accreditations which always have been approved without commendations.

During its 49 years of existence, the Program has had six directors.

1. Dr. Jorge Fernández-Pabón
2. Dr. Alván Vélez-Colón
3. Dr. Yilda M. Rivera-Nazario
4. Dr. Nilma M. Feliciano
5. Dr. Noel J. Aymat-Santana
6. Dr. Emilio M. Agrait-Defilló

A total of 164 students have graduated from the Program, 102 are from Puerto Rico or the United States and 62 from foreign countries where 117 were females and 47 were males.

Students/residents from countries such as Venezuela, Dominican Republic, El Salvador, Panama, Mexico, Colombia, Guatemala, Peru, Curazao, Chile, Cuba and Spain. They have enriched our goals and the Program’s curriculum.

PEDIATRIC DENTISTRY POSTDOCTORAL PROGRAM

PHILOSOPHY, GOALS AND OBJECTIVES

Goals:

1. Prepare proficient pediatric dentists with the necessary knowledge, skills, sensibility
and commitment to serve the children in enhancing the overall health and quality of life thorough excellent oral health.

2. Provide quality pediatric dental care in a neat, safe, and organized environment with the latest technology and resources possible.

3. To advance the science and art of pediatric dentistry through academic and scientific inquiry into the oral health problems children face in our society.

4. Provide necessary dental care to the underserved pediatric population without regard of socioeconomic factors, complexity of the oral conditions and medical status and become leaders in the professional community.

The Advance Education Program in Pediatric Dentistry is designed for the preparation of specialists who will be able to cope with the special oral health problems of children that the general practitioner of dentistry is not qualified to attend adequately. The educational experiences are aimed at expanding competency in the areas of behavior management, treatment of special health needs children, preventive and interceptive treatment of malocclusion, dental practice in the hospital setting under conscious sedation and general anesthesia, and the application of modern concepts of prevention and comprehensive treatment designed to promote achievement of program goals related to education, patient care, research and service. It is expected also, that this program will have beneficial effects upon the services provided by the general practitioner as well as the specialist. The mere recognition of a graduate education program will produce favorable attitudinal changes on dentists as well as undergraduate dental student-future dentists. It is also expected that the presence of a larger number of specialists in Pediatric Dentistry will favorably influence other dentist and ultimately tend to improve the quantity of services made available to children in general practice.

The existence of the advance education program in pediatric dentistry in the School of Dental Medicine imposes greater attention to the enquiry of problems related to the oral health of children. Thus, the program will tend to create an academic atmosphere more favorable to research endeavors of interest to both faculty and students. It is recommended that these investigations be geared to the solution of oral health problems peculiar to the conditions in the Island. This should not imply that problems of more general and basic nature are to be neglected. On the contrary, it is considered extremely important that the Program should accept the responsibility of its share in the solution of oral health problems that affect mankind in general. It is to be strongly emphasized that our concern with local problems should not isolate us from the mainstream of scientific progress in dentistry.

Another benefit of this program is related to the influence of well-educated dental specialist upon his colleagues and upon his community. It is evident that this benefit will only be realized if the program provides educational activities intended for the development on the graduates of leadership, as well as clinical competencies. The graduate from this program will be prepared to meet the challenge of community oral health education. He/she will also be competent in promoting the desire among his non-specialists colleagues to expand and improve their services to children. To this end, he will be educated to be a scientist, a leader, and a teacher, as well as a clinician. His ability and capacity to meet this
challenge will ultimately determine the success of providing adequate oral health services for the children of Puerto Rico and other Latin-American countries.

The graduates from this program could very well broaden their influence upon the other members of the profession by serving as their teachers and collaborating with groups and individuals on children’s oral health issues. The presence of a larger number of specialists in pediatric dentistry would greatly facilitate the implementation of post-graduate courses throughout the island for the convenience and benefit of all the members of the dental profession. This advance specialty in pediatric dentistry provide for the development of the competencies necessary for the specialist to expose, advocate and advise public health policy legislation and regulations to protect and promote the oral health of children. It must be indicated also that dental schools have the responsibility of developing their faculties through graduate education.

While this program is principally oriented to and conditioned by the prevailing socio-economic and health situation in Puerto Rico, the responsibility of the School of Dental Medicine as part of an academic community of a broader scope cannot be overlooked. It is believed that a sound advance specialty education program must fulfill the conditions generally associated with the highest level of scholarship.

The Advance Education Program in Pediatric Dentistry should provide the basis for the development and implementation of activities intended to enhance the scope and quality of dental treatment to children. As much as it is believed that the best truth can only be discovered through the use of scientific procedures it is suggested that the program should provide the means for educating and nurturing students in an atmosphere conducive to a high regard for the objective solution of the dental health problems that besiege mankind. It should be emphasized that the firm commitment to provide for the care of the oral health needs of the children of Puerto Rico can be realized best by furnishing men/women who are sensitive to these needs, and who possess the scope of knowledge and vision necessary to develop and implement procedures for the solution of the problems involved more effectively than has been possible heretofore.

In view of the above contentions, the postdoctoral program for the education in pediatric dentistry shall be guided by the following principles:

1. Advance education in Pediatric dentistry must fit adequately and proudly into the traditional orientation of university education.

2. Specialization should part from a broad base of general understanding of the fundamental problems of humanity and from a clear conception of the profession of dentistry as part of the health team.

3. The three fundamental responsibilities of the University and its components are: (a) the expansion of knowledge through research, (b) the dissemination of such knowledge through teaching, advocacy research and education, (c) the application of their resources to the solution of social problems and needs.

4. Advance education specialty in pediatric dentistry should prepare students/residents with necessary knowledge about the disparities in the delivery of dental care, issues around access to
dental care and possible solutions

Description

The Advance Education Program in Pediatric Dentistry includes training in advanced pediatric dentistry, instruction on behavior management, treatment of children with special needs, preventive and interceptive treatment of malocclusion, dental practice in the hospital setting, general anesthesia, biostatistics, research pediatrics, physical diagnosis, clinically oriented basic science and dental education. Instruction and training are conducted at the dental clinics of the School of Dental Medicine and Pediatric University Hospital. Off site clinical facilities provide for community base experience such as San Gabriel Institute, Healthpromed Community Clinic and Special Community Protecs in Head-Start and Hospital del Niño.

The structure and content of this program follows the guidelines for advanced education programs established by the Council on Dental Education of the ADA and the American Academy of Pediatric Dentistry. Upon completion of the program, the student receives a certificate and meets the eligibility requirements for the American Board of Pediatric Dentistry examination and certification. Student may apply for the master degree upon completion of the certificate program.

CURRENT ACREDITION STATUS OF THE PROGRAM

Currently, the Advance Education Program in Pediatric Dentistry University of Puerto Rico, School of Dental Medicine is fully accredited since 1970.

Admission Requirements
All application is through PASS (adea.org)

1. ADA ADAT is required.

2. The candidate must possess a DMD or DDS degree, or its equivalent from a recognized school of dentistry.

3. Applicants must have a minimum dental general index of 2.50.

4. Two application forms completed with two recent Photographs (2" x 2").

5. Three evaluations report from members of the dental school faculty, where the applicant received his degree in dentistry. At least one of these reports must be from a teacher in the specialty area.

6. Official transcripts from all institutions of higher educations attended and photocopies of the diplomas and or certificates received.

7. Three Professional Evaluation Forms (PEF), through PASS

8. Photocopy of license to practice dentistry in the area of residence (only for applicants who have graduated from dental school more than year prior to application date).

9. A certificate of comprehensive medical examination made within six months to the application date.

10. Conversion of the numerical grade of the official transcript to the letter grade point average (i.e. A-excellent; B-good; C-fair, D and F-failure).

11. Interview is required.
Evidence of approval National Boards Part I before application for all candidates. The approval of the National Boards of Dental Examinations Part II is not required but accepted for foreign candidates. ADA school graduates must have passed National Board Examination Part II before the beginning of the Program.

Applicants must be bilingual in the English and Spanish language.

$100.00 non-refundable application fee.

For more information visit PASS WEBSITE (adea.org)

Application

Applications should be received no later than September 15th for admission to the program beginning on the following July 1st.

The candidate will be notified of acceptance or no acceptance no later than January 31st.

Checks or money orders are payable to University of Puerto Rico and should be sent to:

Office of Assistant Dean of Graduate Education
School of Dental Medicine
Medical Sciences Campus
P. O. Box 365067
San Juan, PR 00936-5067
yolanda.heredia@upr.edu
francheska.labrador@upr.edu
stephanie.aponte@upr.edu

Curriculum

Required didactic courses include Advanced Oral Biology Core Course, Advanced Pediatric Dentistry Seminars, Children with special health care needs, Interceptive Orthodontics Seminar, Growth and Development, Research for Residents, Biostatistics, Conscious Sedation, Evidence Based in Pediatric Dentistry, Pediatric, Physical Diagnosis, Oral Pathology and Dental Education. Completion of research project is required for certification.

Required clinical course include advanced pediatric dentistry clinic, Special Pediatric Dentistry Clinic and Interceptive Orthodontics. Students/residents complete a four weeks rotation in anesthesia and pediatric wards and pediatric emergency. The student/resident rotate in the clef palate team at the Pediatric University Hospital and School of Dental Medicine. A Community extramural experience included: San Gabriel Institute of Deaf Children, Healthpromed clinic, and special community project at Head-Start and Hospital del Niño.

Course Descriptions:

Advanced Oral Biology Core Course
BIOR 9005

Course Description:

The overall objectives of the Advanced Oral Biology Core Course is to provide a scientific and biological basis of oral phenomena, whether normal or pathological.

The Primary Educational Goals of the proposed curriculum are the following:

1. To understand the structure, development and functions of the oral tissues, their interrelationships, and their relation to other organ systems in both health and disease.
2. To describe and explain the scientific methods available for the acquisition of oral biological knowledge.
3. To understand how oral biological knowledge can be applied into
the development to efficient diagnostic and preventive dentistry methods, and ultimately to the delivery of high quality dental care to the patients.
4. To stimulate the students’ interest in Oral Biology Research.

Advanced Pediatric Dentistry Seminar
PEDO 9400

Course Description:

The content and activities in this course are intended to bring the student/resident above level of the general practitioner in his knowledge and skills in the diagnosis and treatment planning for the usual and the bizarre oral disorders encountered in children.

This is a Board oriented course, designed to prepare the student/resident for the practice of Pediatric Dentistry and to familiarize, motivate and train the students/resident for the process of Board Certification of the American Board of Pediatric Dentistry (ABPD). The students/resident will analyze the classical and recent literature of selected themes concerning the specialty, focused in the above mentioned approach. The course will consist mainly of a series of seminars discussed by the student/resident with the direction and guidance of the Professor. There will also be lectures prepared by the professor, the students/residents and/or invited guests.

Orthodontic Seminar for Pediatric Dentistry
PEDO 9404

Course Description:

Instruction in Interceptive Orthodontics is intended to develop a knowledge of fundamental processes of Growth and Development of the craniofacial complex and understanding of the science of Cephalometric and Biomechanical Principles applied to the procedures commonly used in the interceptive treatment of malocclusions.

Advanced Pediatric Dentistry Clinic
PEDO 9408 & 9409

Course Description:

The activities at this clinic are intended to develop proficiency in the diagnosis, management, and treatment of oral health needs of infants, children and adolescents. Patients assigned are selected to provide the student with a variety of experiences including routine and more complicated clinical procedures such as those encountered in patients with develop-mental anomalies of the teeth. A minimum of fifteen (15) completed patients are required to which a comprehensive oral treatment are rendered, and include at least the following experiences.

1. Preschoolers with need of extensive restorative treatment and behavior management.
2. Patients in which posterior composite and/or glass ionomer restorations are indicated.
3. Patients in need of removable and/or porcelain veneer restorations.
4. Patients in need of removable and/or fixed prosthetic appliance for missing teeth.
5. Patients in need of vital and non-vital pulp therapy including endodontics in primary dentition, apexogenesis and apexification.
6. Patients in need of periodontal treatment including frenectomies and mucoperiosteal surgery.
7. Patients in need of eruption guidance and management of the development of a normal occlusion including oral habits and space maintaining.
8. Patient’s management using non-pharmacological and pharmacological approaches.
9. Patients with temporomandibular joint disorders.

**Special Pediatric Dentistry Clinic**  
**PEDO 9411 & 9412**

**Course Description:**

This clinical course is designed for the graduate students of Pediatric Dentistry to master competencies and become proficient in the management of special patients and in all aspects of hospital procedures. The Pediatric Hospital Dental Clinic and Operating Room will be the main site for the treatment of special needs patients.

**Children with Special Health Care Needs PEDO 9414**

**Course Description:**

This course involves the formal study of disable conditions, their etiology, diagnosis and treatment, and dental implications. It includes disorders of physical, systemic, emotional and behavioral origin that are commonly encountered in children and adult patients that require special attention and treatment modifications by the dentists. Principal attention is given to the inherent physiologic and psychological mechanisms of the handicapping conditions studied. Attention is also given to the psychological and therapeutic procedures employed in the management of disabled patients. Practical application of the concepts and principle attained in this course is provided in the Special Pediatric Dentistry Clinic at the University Pediatric Hospital.

**Community Oral Health**  
**PEDO 9447**

**Course Description:**

This elective course is intended to give our student/resident a basic knowledge on oral health. Through this course student/resident will identify such target areas and programs that can be implemented in order to impact the whole community. Initiative will be focused based on population needs in accordance to what is socially acceptable and culturally competent.

**Introduction to Research Planning**  
**PDOC 9101**

**Course Description:**

This course is designed for the post-doctorate student (resident) who has basic knowledge in research design and statistics. The resident must complete a literature review on a topic related to oral health and write an outline of the methods to be employed.

**Statistical Analysis Applied to Dental Sciences**  
**PDOC 9006**

**Course Description:**

The course is designed for post-doctorate students (residents) in dentistry. It focuses on basic concepts of oral health research, and study design and statistical analysis for various types of clinical research studies. This course is conducted by means of lectures, discussions, and practice sessions.
Students will be exposed to a series of clinical experiences that will allow them to acquire the necessary skills in both these areas previously mentioned. Students will be given conferences, workshops and clinical practice. Covered systems will include: Cardiovascular, Respiratory, Head and Neck and Neurological.

**Pediatric Physical Diagnosis**
**PEDO 9439**

**Course Description:**

This course will provide Odontopediatric residents with the essentials of:

1. Medical history taking skills related to the most common diseases affecting pediatric patients.
2. Physical Examination skills on Pediatric Patients.
Students will be exposed to a series of clinical experiences that will allow them to acquire the necessary skills in both these areas previously mentioned. Students will be given conferences, workshops and clinical practice. Covered systems will include: Cardiovascular, Respiratory, Head and Neck and Neurological.

**Conscious Sedation for the Dental Patient**
**PROG 9107**

**Course Description and Rationale:**

This course is designed to prepare student/resident from the Pediatric Dentistry and GPR Post-doctoral Programs in the management of pain and anxiety through different techniques of enteral and intravenous sedation for the adult and pediatric patient. Through didactic lectures and clinical cases, residents will learn to provide patients moderate (conscious) sedation while minimizing associated risks following guidelines and protocols by the American Academy of Pediatric Dentistry (AAPD), American Dental Association (ADA), American Society of Anesthesiology (ASA) and the American Academy of Pediatrics (AAP) for office based practices.

**Pediatrics**
**MEDI 7400**

**Course Description:**

A review of general primary care Pediatrics for graduate students of pediatric dentistry. It is designed to offer pediatric dentistry residents basic knowledge of common pediatrics diagnosis and illnesses which they may encounter in their future practice.

Contents of the course will include basis history taking techniques, physical and emotional growth and development, basic aspects of nutrition, therapeutics and concepts of infectious, metabolic, cardiac, endocrinologic diseases among others.

The course will be offered by means of lectures, audiovisual aids, and assigned readings.

**Anesthesiology Clerkship**
**PEDO 9407**

**Course Description:**

The Clerkship in Anesthesiology for residents in Pediatric Dentistry has been designed to teach these specialists some basic principles of general anesthesia. Residents will have the opportunity to develop some skill in the administration of anesthetics and to expand their general medical knowledge for application in anesthesia, pre and post anesthetic management with particular emphasis to the pediatric patient. This will enable the resident to recognize, understand, and possible manage (if the need arises) some of the problems that occur during the administration of anesthesia for oral-dental procedures.

**Dental Education**
**PEDO 9416**

**Course Description:**

The course is designed to provide potential candidates for teaching in dental schools with the basic pedagogical knowledge and skills that are necessary for effective teaching. The course is also open to faculty members.

The following topics are discussed placing a special emphasis on dental education: philosophy of teaching and learning; curriculum development, planning for instruction and content organization; selection of instructional strategies, selection and utilization of media; assessment and evaluation of student’s learning.

**Evidence-Based Pediatric Dentistry**
PEDO 9428
Course Description:
The evidence-based movement is a shift toward making clinical decisions on the best available scientific support. Included in the clinical decision making process, however, are other factors. These include the particular clinical circumstances, ethical, legal, management and policy issues; the values and preferences of our patients and their parents and our own experiences and judgment. Science along with these other issues determines our diagnosis and treatment plans for our patients.

To obtain a practical understanding of evidence-based methods, this course will teach the residents how to 1) develop an appropriate clinical question; 2) find the relevant literature pertaining to the question, 3) critically evaluate the literature; and 4) Apply to patients OR Publish or disseminate acquired clinical knowledge in these scientific inquiry process through peer-reviewed Journals, presentations, courses, professional dialogue or Poster sessions. Diagnosis and treatment plan skills are expected to be reinforced through the course using ABPD OCE format approach to cases discussion.

Developing skills of providing sound evidence-based Pediatric Dentistry should prepare the student to be successful in the specialty Board Certification process. Board examination preparedness is part of the goals of this course.

The course builds up on the foundation of first year courses that have already covered all the classic and relevant topics of Pediatric Dentistry including the current literature. Some important attention is given to professionalism, ethics, legal aspects, practice management and emerging issues as second year students are closer to practice. Moderators may be brought from the Pediatric Dentistry local community along with the Course coordinator.

Research Planning and Statistical Design.
PDOC 9102
Course Description:
This course is designed for the post-doctorate student (resident) to complete the methods and statistical design section of a research proposal. This course will be conducted by means of discussions and presentations of students’ work.

Research Project I.
PDOC 9103
Course Description:
In the Research Planning and Statistical Design course (PDOC 9103) the graduate students/residents prepare the required research proposal covering the research topics up to the section on materials and methods. In this course the students/residents must develop the statistical design and analysis section required for their individual research project. This course will be conducted by means of discussions and presentations of students’ work.

Research Project II.
PDOC 9104
Course Description:
This course is designed for the post-doctorate student (resident) to complete the data analysis and interpretation of a research project, prepare a PowerPoint presentation and manuscript or a written report on a topic related to pediatric oral health. It is conducted as an individual independent study under the supervision of a research mentor.

Orthodontic Interceptive Clinic I
PEDO 9422
Course Description:
This is a Pre-clinical and clinical course intended to expose the first year student/residents with some basic aspects of orthodontics and selective management of deciduous dentition with an emphasis on preventing and treating orthodontic problems that may arise as the teeth erupt. The first part of the course is focused on clinical skills and case presentations with a case based approach. The second part of the course is focused on clinical skills and evaluation of cases with a critical approach.
principles in orthodontics. It is divided into two phases designed to integrate and facilitate all required activities prior to the clinical experience.

In the pre-clinical phase the student/resident has the opportunity to practice and develop the necessary skills that provide a sound basis for clinical application, facilitating the transition to the clinic.

In the clinical phase the student/resident is fully responsible for patient’s appointments, treatment plan, and case presentation in a group session to faculty member and interceptive orthodontic treatment in such a way that he/she becomes aware of the importance of correct diagnosis in order to recognize the normal and abnormal developing craniofacial complex.

Orthodontic Interceptive Clinic II
PEDO 9423

Course Description:
This clinical course is a continuation of Interceptive Orthodontic Clinic PEDO 9422– Pre-clinical and clinical course. The principles and fundamental learned in the previous course will be applied to specific clinical situations, procedures and treatment to the growing patient. Residents will apply biomechanical principles and technique in their cases.

Orthodontic Interceptive Clinic
PEDO 9424

Course Description:
This clinical course is a continuation of Interceptive Orthodontic Clinic PEDO 9423 course. The principles and fundamental learned in the previous clinical course will be applied by second year students/residents to specific clinical situations, procedures and treatment to the growing patient. Second year students/residents will apply biomechanical principles and technique in their cases.

Early Childhood Caries
PEDO 9446

Course Description:
This course elective is designed to teach graduates the concepts associated with Early Childhood Caries (ECC), not only from the dental standpoint but with its association to socioeconomic factors. Through the student will be able to understand how disparities in certain groups can become a leading cause to the development of Early Childhood Caries. Through the understanding of this convening factors and the analysis of group composition, graduates will create an Outreach Program, culturally sensitive that will assist the community in the prevention of oral disease.

Elective
Students are required to enroll in electives of their choice.

Rotations
Anesthesiology clerkship 4 weeks
Pediatric Ward 2 weeks
Pediatric Emergency Room 2 weeks

Extramural Rotations
• San Gabriel Institute for Deaf Children
• Healthpromed Inc.

Master in Dental Sciences
The University of Puerto Rico School of Dental Medicine offers the Degree of Master in Dental Sciences with concentration in Pediatric Dentistry. Through the course of study of this Program Post DMD student proposes and conducts Research Project leading to the completion of a Thesis. The completion of this Master Thesis Project helps the student to develop knowledge and skills in research in their field of interest and/or concentration.
Admission Requirements

1. The candidates must possess a DMD or DDS degree, or its equivalent, from a recognized school or college dentistry.

2. Application must be enrolled in the Pediatric Dentistry Post DMD Program.

3. He/She must complete one academic year (24 credit hours) or Post-DMD education or its equivalent.

4. He/She must have obtained a minimum grade point average of 3.0 as certified by the Medical Sciences Campus Registrar.

5. He/She must approve all of the Post-DMD, courses taken with grades of A or B.

6. The Post-DMD student must have completed the following courses before applying to the Master in Dental Sciences Courses.

Pediatric Dentistry Clerkship Program

In addition to the regular Postdoctoral Program in Pediatric Dentistry, the School of Dentistry offers clerkship program of three-six months and one-year duration, which does not, conducts to a degree, certificate or diploma. A letter of completion is granted. The student participates in activities of the program at the level of year resident. It is basically addressed to provide foreign dentist with basic didactic and clinical experiences related to Pediatric Dentistry.

Pediatric Dentistry Program Strengths

1. The availability, the variety, and the pool of medically compromised children with dental problems.

2. The availability and extensive use of the medical consultants during the treatment of these children.

3. The comprehensive treatment of malocclusion through interceptive orthodontic therapy.

4. Operating room case load.

5. Conscious sedation

6. Didactic program with 50% time committed to the hospital environment.

Facilities

A Conference room with audiovisual and computer equipment is available. The Postdoctoral student rotates through clinics at the School of Dental Medicine, the Pediatric University Hospital. The pediatric hospital dental clinic has six dental units. There is a recovery room available with nursing personnel in attendance.

The School of Dental Medicine Pediatric Dentistry Clinics has seven chairs available for the use of graduate student. All of them are equipped for conscious sedation procedures and Nitrous Oxide. Student provide 24 hours emergency on call duties at the Emergency Room at the Puerto Rico Medical Center.

In both clinics dental assistant are assigned, some of them have expanded functions.

Library Services

The Conrado F. Asenjo Library of the University of Puerto Rico Medical Sciences Campus is the main health sciences information resource in the Island. With one of the most complete collections of this kind in the Caribbean, the Library offers a full range of services to students and faculty of the School of Dentistry.
School of Medicine, Public Health, Pharmacy, Nursing and the College of Health Related Professions. It also serve practicing health professionals and the community at large.

The Library is a Resource Library of the National Network of Libraries of Medicine Southeastern/Atlantic Region (NN/LM), affiliated to the National Library of Medicine (NLM). As such, it participates in resource sharing programs that include interlibrary loan and document delivery services of materials not found in the collection. Collaborative agreements also exits with the Veterans Administration Hospital Library, the Rio Piedras Campus Natural Sciences Library, and other units, of the University of Puerto Rico System.

The collection comprises 39,519 book titles and 1,296 journals subscriptions covering the fields offered by the campus academic program. Interdisciplinary in nature, the collection is developed using the Brandon List and through the active participation of faculty in the selection process. Books are organized in open stacks using the National Library of Medicine Classification Scheme. Journals are organized alphabetically by title. Non-profits materials including films, slides, videocassettes and other media are kept at the Audivisual Center on the Library’s 5th floor.

The Reference Section offers bibliographic instruction, librarian mediated literature searches, and operates and end-user searching area equipped with 10 personal computers that provides access to the Internet, the campus academic computer, and the Library’s biomedical information database installed in a local area network.

The section, known as the Health Education Information Resources Services (HEIRS), offers a one stop shopping setting where users may meet most of their information needs.

The policies and procedures for candidates for acceptance in the Pediatric Postdoctoral Program are published in the University of Puerto Rico School Of Dentistry general information catalog, a booklet with some information regarding the program including curriculum, tuition, admission, applicant dates, etc. Also in the Advanced Programs Directory published by the American Academy of Pediatric Dentistry, Committee in Education an overall description of the Program is in published yearly and now revised every two years. A new Postgraduate Education Handbook, which details this issue, is being developed.

Chief Resident Responsibilities

1. Develop on call schedule in collaboration with all residents.

2. Develop schedule of meeting with the Program Director and residents (biweekly).

3. Maintain record of vacation days of each of the residents.

4. Develop and enforce schedule for cleaning of the laboratory and/or conference room.

5. Develop and implement a plan for efficient consult procedure.

6. Coordinates faculty evaluation by residents on a yearly basis (Evaluation forms are submitted to program director and should be anonymous).

7. Makes decisions regarding patient care in absence of attending if needed.

8. Proactively addresses problems in consultation with Program Director.

9. Assists the Program Director with the orientation process.
10. Assistant in enforcing clinic policy as it relates to residents.

11. Support preauthorization process for patients to be treated in the O.R.

12. Performs other responsibilities as designed or delegated by the Program Director.

POLICY FOR THE ACADEMIC EVALUATION AND PROMOTION OF POSTGRADUATE STUDENTS AND FACULTY OF THE PEDIATRIC DENTISTRY PROGRAM OF THE UNIVERSITY OF PUERTO RICO SCHOOL OF DENTAL MEDICINE

PREAMBLE

This document includes the policies related to the evaluation and promotion of the postdoctoral students of the Pediatric Dentistry Program.

The goal of the evaluation system is to ensure that recipients of the postdoctoral certificate or Master Sciences Dentistry possess the knowledge, skills and attitudes necessary for the practice of the specialty of Pediatric Dentistry. The purpose of the document is to:

1- Identify and assist students with in achieving competencies difficulties.

2- Provide feedback to each student of their progress in each course.

3- Provide feedback to the faculty on the effectiveness of the teaching process.

4- Certify the completion of the requirements of each course.

5- Establish a grading system

6- Serve as an outcome assessment element for the education.

preparing students for external evaluation.

THE EVALUATION SYSTEM

The system operates at different levels: course level, level of the Promotion Committee and upon completion of the requirements, the Dean certifies the completion for the certificate or Master Sciences Dentistry Program.

At the course level the participating faculty evaluates the level of achievement of students in the subject matter of the course, clinical skills and attitudes. The evaluation system provides for the formal recording of the student's accomplishments. Each Course Director must include in their course syllabus the requirements of the course and the evaluation system to be used.

The Promotion Committee at the end of each or semester evaluates the student's grade record and promotes each student to the following level upon the recommendation of the faculty and Program Director.

The evaluations are discussed with the students at the end of each academic session. The Program Director may also give periodic specific evaluations to any resident if needed.

POLICIES FOR COURSES

1) **ATTENDANCE** - Each student must be present in all activities assigned.

2) **COURSE REQUIREMENT** - Each course offered has a final grade of (A or B). The minimum passing grade is B for required specialty courses.

3) **EVALUATION** - All faculty must evaluate each student and a give grade for the course at the completion of the academic session. If the student fails to
complete the course requirements with the minimum passing grade, he or she will have to repeat the course within the three years period required for completion of the certificate or Master in Dental Sciences Program.

THE DUE PROCESS POLICY

Policies and procedures regarding students conduct and personal demeanor are compile in the documents titled “General Student Bylaws of the University of Puerto Rico” and “Reglamento de Estudiantes” of the Medical Sciences Campus. Council of Higher Education approved this last documented in March 1980.

A Disciplinary Board composed of two student representatives, two faculty members and one additional member and one additional member appointed by the Chancellor, is involved in disciplinary actions and sanctions for violation of student code.

Any grievance (by a resident or against a resident) is first presented to the Program Director cannot settle the matter; the case is referred to the Assistant Dean for Student Affairs. If the case is not decided at this level, depending on the nature of the grievance and its implications, then two options directions will be taken.

In some instances, the case will go to the Associate Dean, who presides the School Promotions Committee. If the case does not involve matters related to promotions, the case goes to the Dean. The Due Process is presented in more details in the contract.

PROMOTION ACTIVITIES

The student has the right to appeal any evaluation decision. The authority to change grades residents upon the faculty that participates in the evaluations activity of the course. If the student appeals to the Promotion Committee, this committee will offer a hearing for such purpose. If the matter is not satisfactorily resolved at this level, a formal appeal may be made to the Dena of the School of Dentistry. If not satisfied, the student may appeal to the office of “Procurador de Estudiantes”, to the Chancellor and superior authorities, the President, and the Board of Trustees according to the procedures established.

FACULTY EVALUATION

The evaluation system for the faculty is identified as a feedback process needed be for the benefit of the teaching and learning experiences of the faculty and the student.

The student/resident and the Program Director will evaluate the faculty yearly.

Each year an evaluation sheet will be made available to each student/resident for faculty evaluation for each didactic and clinical course.

At the end of the year the Program Director must evaluate the faculty involved in the teaching and supervision of the students of the Program.

The Department Chair must evaluate the Program Director at the end of each academic year.

The evaluation results must be discussed with the faculty member. This evaluation will be for the benefit of the teaching and learning process of the faculty and the student body.

ACADEMIC REQUIREMENTS FOR GRADUATION

Certificate - The resident must approve all required courses satisfactorily and
have a minimum point average of 3.00 as certified by the Medical Sciences Campus Registrar. Other requirements apply and are listed on the Blackboard System. Taking of Qualifying Written Exam (ABPD) is required. Currently the program is providing full refund of the examination fee for those alumni that pass the exam on the first attempt.

**Master Dental Sciences** - Complete the certificate requirements and the courses in statistical inference and thesis preparation. The approval of the thesis and its defense is the final requirement for the completion of the Master Sciences Dentistry. The maximum number of years to complete the certificate is three years and Master Sciences Dentistry is five years.

**TUITION, STIPEND AND OTHER COMPENSATION**

**A. Stipend**

Stipend are available for first and second year’s pediatric postgraduate students, as follow

$38,199.27 First Year (Annual)

$38,794.94 Second Year (Annual)

This stipends are only awarded to graduates from ADA accredited School and citizens/permanent residents of the U.S.A.

**B. Tuition**

Student/resident foreign and USA citizen/permanent residents will be registered as regular postgraduate students and tuition will have to be paid the first five days of registration or arrangements should be made at the Registrar Office, otherwise penalty fee and late charges will be added.

**First Year Student (USA)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per semester</td>
<td>$175.00 per credit</td>
</tr>
<tr>
<td>Learning Fee</td>
<td>$739.00</td>
</tr>
<tr>
<td>Maintenance Fee</td>
<td>$141.00</td>
</tr>
<tr>
<td>Technology fee</td>
<td>$75.00</td>
</tr>
<tr>
<td>ID Card</td>
<td>$5.00</td>
</tr>
<tr>
<td>Health Insurance</td>
<td>$394.00 per month (cover basic)</td>
</tr>
</tbody>
</table>

**Second Year Student (USA)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per semester</td>
<td>$175.00 per credit</td>
</tr>
<tr>
<td>Tuition per trimester</td>
<td>$175.00 per credit</td>
</tr>
<tr>
<td>Learning Fee</td>
<td>$739.00</td>
</tr>
<tr>
<td>Maintenance Fee</td>
<td>$141.00</td>
</tr>
</tbody>
</table>
Technology fee  
$75.00

ID Card  
$5.00

Health Insurance  
$394.00 per month (cover basic)

Second Year Student (Forgiven)

Tuition per year  
$9,355.00

Learning Fee  
$739.00

Maintenance Fee  
$141.00

Technology fee  
$75.00

ID Card  
$5.00

Health Insurance  
$394.00 per month (cover basic)

C. Other Compensations

There no other compensations for post graduated students, except sometimes as aids to faculty a minimal fee is paid to any student who qualify. This student must be in the upper third of his class. A monthly evaluation is required.

D. Vacation

Each student is entitled to 30 days calendar of vacation and 18 days of sick leave with a medical certification of more than one-consecutive day is taken. This vacation program is arranged by the chief resident with the approval of the Program Director.

First year residents generally enjoy their 30 calendar days vacation during December and January. Second year may have 15 days during December, January and 15 days on July.

Maternity lease is also given to the female resident student. An eight (8) weeks are entitled. This maternity lease has to be considered by the Program Director, the Associate Dean and the Medical Education Office. The application has to be accompanied with the certificate including the approximate date of delivery. If the student is rotating to a special clinic or area or assign a specific task at that moment the professor in charge might or will assign another time schedule probably after days of finishing the program.

PROFESSIONAL LIABILITY

COVERAGE

The University of Puerto Rico Medical Sciences Campus and the School of Dental Medicine, for all the student body and professorship are covered under professional liability insurance by Law 98 of February 1994.

Faculty of the Pediatric Dentistry

Postdoctoral Program

Agrait-Defilló, Emilio M.

Professor, Ecological Sciences Department: BS University of Puerto Rico, 1974; DMD, University of Puerto Rico School of Dentistry, 1978; Certificate in Pediatric Dentistry, University of Puerto Rico School of Dentistry, 1980. Diplomate, American Board Pediatric Dentistry.

Aymat-Santana, Noel J.

Esquilin Cruz, Melba


Hanke-Herrero, Rosana


Molina-Negrón, Damaris


Pagán Rodríguez, Alexis

Assistant Professor, Ecological Sciences Department: BS University of Puerto Rico 1993; DMD, University of Puerto Rico School of Dentistry, 1997; Certificate in Pediatric Dentistry, University of Puerto Rico School of Dentistry, 2005. Diplomate, American Board Pediatric Dentistry.

Pagán-Ortíz, Elaine


Victoria-Peralta, Yinayra

Assistant Professor, Ecological Sciences Campus Department, DMD, University of Puerto Rico School of Dental Medicine; Certificate in General Practice Residency, School of Dentistry University of Puerto Rico, 2000; Certificate in Pediatric Dentistry, University of Puerto Rico School of Dentistry, 2007. Certificate in Orthodontic Postdoctoral Program, Harvard School Medicine 2012. Diplomate, American Board Pediatric Dentistry.

Paul-Malavé, Cheryl


Santana-Rojas, Yaira

Assistant Professor, Ecological Sciences Department: BS University of Puerto Rico 1993; DMD, University of Puerto Rico School of Dentistry, 1997; Certificate in Pediatric Dentistry, University of Puerto Rico School of Dentistry, 2005. Diplomate, American Board Pediatric Dentistry.

González-Carbonell, Andrea

Assistant Professor, Ecological Sciences Department: BS University of Puerto Rico 2008; DMD, University of Puerto Rico School of Dentistry, 2012; Certificate in Pediatric Dentistry, University of Puerto Rico School of Dentistry, 2015. Diplomate, American Board Pediatric Dentistry.

Additional Faculty

RESEARCH

Elias-Boneta, Augusto
Toro, Milagros
Meléndez, Maritere
Sona Rivas Tumanyan
López, Lydia

Lugo, Ferdinand
Periodontics

Quintero, Elisa M.
Anesthesiology Operating Room

COMMUNITY ROTATION

Negrón, Ina

Quintero, María
Coordinator Pediatrics Course

García-Puebla, Ana
Pediatric Rotation
Coordinator, Physical Diagnosis Course

Picón, Francis
Coordinator, Orthodontic Interceptive Seminar Course

Pacheco, Mirna
Coordinator Dental Education Course

Arocho, Lis
Coordinator, Moderate Conscious Sedation for the Dental Patient Course

CLEFT AND PALATE ROTATION

Rivera-Luna, Antonio

Salcedo I., Maria

FACULTY ORAL BIOLOGY CORE COURSE

Bermudez, Francisco
Coordinator, Oral Biology Core Course

PHARMACOLOGY

Martins, Antonio H.
Herreño, Diógenes
Arocho, Lis
Guzmán, Julio
Echevarría, Edgar
Restituyo, Jannelly
Orsini, Elizabeth
Ramos, Héctor

MICROBIOLOGY

Morou, Evangelia
López, Lydia
Contreras, Violeta
Vivaldi, José
Bolaños, Benjamín
Martínez Martínez, Idalí
Ramos, William

EMBRIOLOGY

Díaz, Manuel
Barreto, Jennifer

GENETICS

Resto-Melendez, Ledith

ANATOMY
Pérez, Nivia L.

**ORAL PATHOLOGY**

Wiscovitch, José G.

Cadilla, Carmen L.
Molecular Biology Concepts

Salcedo, María Ilse
Normal post-natal growth and development of the craniofacial complex

Salazar, German
Conditions that affect the function of salivary glands. Clinical implications and management.