



**REPUBLIC OF CUBA
MINISTRY OF PUBLIC HEALTH
NATIONAL DIRECTORATE OF MEDICAL TEACHING
NATIONAL DIRECTORATE OF DENTISTRY
UNIVERSITY OF MEDICAL SCIENCES OF HAVANA
FACULTY OF DENTISTRY**

SUMMARY

**ACADEMIC PROGRAM
GENERAL COMPREHENSIVE DENTISTRY SPECIALTY**

EQUIVALENT TO FAMILY DENTISTRY SPECIALTY

May, 2006

GENERAL INFORMATION

- **Specialty Name:** General Comprehensive Dentistry
- **International Equivalences:** Family Dentistry / Family Odontology
- **Academic degree:** First-Degree Specialist in General Comprehensive Dentistry
- **Body and Institutions responsible for the Program:**
 - National Directorate of Medical Teaching of the Ministry of Public Health.
 - National Directorate of Dentistry of the Ministry of Public Health.
 - University of Medical Sciences of Havana. Faculty of Dentistry.
- **Educational Level:** Postgraduate.
- **Type of Specialty:** Clinical
- **Program Duration:** 2 years.
- **Total of Hours:** 4224 H
- **Type of Program:** modular, full time, learning by doing.
- **Total academic credits:** 125
- **Place of training:** stomatology services in clinics, university polyclinics, general and pediatric hospitals and other institutions that meet the requirements established in the MINSAP Teaching Accreditation System for postgraduate teaching activities.
- **Entry requirement:** To be a graduate of the Dentist career and to be in the full exercise of the profession.

SCOPE OF THE PROGRAM

It is a unique program, national in scope and applicable to the following medical universities:

- University of Medical Sciences of Pinar del Río.
- **University of Medical Sciences of Havana.** With 14 Faculties, including:
 - Faculty of Dentistry
- Latin American School of Medicine.
- Faculty of Medical Sciences of Artemisa.
- Faculty of Medical Sciences of Mayabeque.
- University of Medical Sciences of Matanzas.
- University of Medical Sciences of Villa Clara.
- University of Medical Sciences of Cienfuegos.
- University of Medical Sciences of Sancti Spiritus.
- University of Medical Sciences of Ciego de Ávila.
- University of Medical Sciences of Camagüey.
- University of Medical Sciences of Las Tunas.
- University of Medical Sciences of Holguín.
- University of Medical Sciences of Granma.
- University of Medical Sciences of Santiago de Cuba.
- University of Medical Sciences of Guantanamo.

INTRODUCTION

The specialty of **General Comprehensive Dentistry** arises as a need of the National Health System of Cuba focused on the Primary Care Model, to achieve the solution of the problems of the community, the family and the individual with a biological and social approach.

The General Comprehensive Dentistry (GCD) specialist is a new Cuban conception and is equivalent as Family Dentistry abroad; GCD is a professional with a broad profile prepared to guarantee comprehensive dental care with restorative and rehabilitative treatment actions combined with actions to promote health, disease prevention and rehabilitation in a continuous and systematic way, together with the rest of the health team, of which is a crucial part, and whose purpose is to increase the level of a defined population's health. .

MODEL OF THE SPECIALIST

Professional characterization

The specialist of first degree in comprehensive general dentistry is responsible for the oral cavity health of individuals, family and community, with a social approach, which should be characterized by his responsibility, simplicity, modesty, integrity and human condition, that all health professional must possess.

The specialist should be prepared scientific and technically to approach the problems of the oral cavity component, maintaining a responsible attitude towards a permanent betterment.

The comprehensive general dentistry specialist constitutes the fundamental link of the dental attention since he develops his professional practice in the primary level of health, connected in a direct way to the family doctor and the rest of the dental specialties and sectors of the community.

PROFESSIONAL PROFILE

COMPREHENSIVE DENTAL CARE FUNCTION

–To carry out the analysis of the health situation with oral cavity component on the assigned population.

–To carry out actions of health on the population he assists in order to: promote, prevent, diagnose, dispense, treat, rehabilitate, remit and share views from a clinical and social perspective.

–To establish an intra and inter sectorial nexus in the community with the purpose of the analysis of the health situation.

–To carry out urgency attention before different problems of health and scenarios.

TEACHING FUNCTION

—To identify learning necessities, in his population or among professionals and technicians, or other workers that form the health team with the objective of elaborating teaching processes.

—To plan, direct and control teaching processes related with topics of his specialty.

—To participate in educational processes of pre and postgraduate degree, in technical and professional careers related with his profile.

RESEARCH FUNCTIONS

—To carry out investigation activities related with his professional acting in the Primary Attention of Health, such as: to develop investigation projects, collaborate on investigation lines. To advise and lead investigation works. To evaluate projects and publish scientific results.

MANAGEMENT FUNCTION

—To execute managerial actions related with the performance of his functions in services and facilities of the National Health System.

MAIN HEALTH PROBLEMS TO FACE AND SOLVES BY THE SPECIALIST.

- Occlusion disorders
- Traumatisms
- Pain
- Periodontal and gingiva diseases
- Habits
- Pulpar and periapical pathologies
- Malignant neoplasia
- Soft tissue diseases
- Dyschromia, hipoplasia, and opacity
- Edentulism
- Systemic illnesses in oral cavity manifestations
- Urgencies and medical emergencies
- Other social, educational, and environmental problems. Issues related with gender and characteristics of the population according to age groups.

STRUCTURE OF CONTENTS

This plan of studies has a 4224 total hours, distributed in 2112 per year, from which:

- 1 440 are devoted to the laboring component.
- 480 to the academic component and independent study,
- 192 to the investigative component.

THEMATIC PLAN ACCORDING TO THE FUNCTIONS

COMPREHENSIVE DENTAL CARE FUNCTION

1. Health and Epidemiology
2. Promotion, Health education and prevention
3. Analysis of the health situation
4. Growth and development.
5. Comprehensive Dental Attention I
6. Comprehensive Dental Attention II.
7. Attention to the under 19 years old I
8. Attention to the under 19 years old II
9. Attention to the disabled patient
10. Periodontics Primary Attention
11. Surgery Primary Attention
12. Prosthetics Primary Attention

TEACHING FUNCTION

13. Teaching

RESEARCH

- Several Courses: –Computing and –Research methodology and Biostatistics
- 14–Research methodology

MANAGEMENT FUNCTION

15. The Management in Dentistry

CURRICULUM (SUMMARY)

TOPICS

Areas of expertise 1:

- Module 1: Teaching and Learning Process.
- Module 2: Computing. Methodology for Scientific Research and Biostatistics.
- Module 3: Administration in the Health National System.

Areas of expertise 2: Comprehensive Dentistry Care

- Module 4: Health and Epidemiology.
- Module 5: Promotion, Education for Health and Prevention.
- Module 6: Health Situation Analysis.

Areas of expertise 3: Clinical Specialties in Dentistry.

- Module 7: Growing and Development.
- Module 8: Comprehensive Dentistry Care I.
- Module 9: Comprehensive Dentistry Care II
- Module 10: Dentistry Care to Minor under 19 years old I.
- Module 11: Dentistry Care to Minor Under 19 years old II
- Module 12: Dentistry Care to Handicapped Patients.
- Module 13: Periodontics Primary Health Care.
- Module 14: Surgery Primary Health Care.
- Module 15: Prosthodontics Primary Health Care.

GENERAL SCHEDULE OF TEACHING PLAN

First year	Second Year
<i>Modules 1 to 5 and 7</i>	<i>Modules 6, 8 and 9</i>
<u><i>Special courses:</i></u> <ul style="list-style-type: none">• <i>Computer and informatics</i>• <i>Research Methodology</i>	<i>Modules 13 and 15</i>
<i>Modules 10, 11, 12 y 14</i>	

DISTRIBUTION OF HOURS AND ACADEMIC CREDITS

Modules	Teaching activity hours	Self-work hours	Total hours	Credits
Module 1	128	64	192	4
Module 2	796	242	1038	28
Module 3	128	54	182	4
Module 4	36	20	56	2
Module 5	58	34	92	1
Module 6	40	20	60	1
Module 7	34	26	60	6
Module 8	64	32	96	5
First Year Subtotal	1284	492	1776	51
Module 9	228	112	340	12
Module 10	354	124	478	12
Module 11	354	124	478	12
Module 12	128	84	212	14
Module 13	124	74	198	6
Module 14	152	90	242	6
Module 15	128	84	212	6
Second Year Subtotal	1468	692	2160	68
Final Exam	72	216	288	6
TOTAL	2824	1400	4224	125

MAJOR SKILLS AND COMPETENCES:

- To prepare activities for health promotion, prevention, opportune diagnosis and effective treatment of dental diseases in the Primary Health Care.
- To establish the positive and differential diagnosis of dental diseases, taking into account the data obtained in the interview, the physical examination and the diagnosis of complications.
- To guide team work among different specialties.
- To treat periodontal diseases in the Primary Dentistry Care.
- To diagnose and to treat dental diseases that mainly affect children.
- To diagnose and to treat dental trauma.
- To diagnose and to treat malocclusions in the Primary Dentistry Care.
- To diagnose and to treat toothless masticatory dysfunction in the Primary Dentistry Care.
- Carry out endodontic treatment of monoradicular and multi radicular teeth in adults and children.Surgical treatments in the Primary Dentistry Care.
- Ordering and interpreting extra and intraoral x-rays.
- Treating buccal diseases with Traditional and Natural Medicine (acupuncture, phytotherapy and apitherapy).
- Treating buccal diseases in patients suffering from systemic diseases.
- Treatment to conventional and non-conventional handicapped patients (under general anesthesia, adults and children)
- To give psychological support to patients in the self-care process to preserve a healthy lifestyle.
- Elaborating and applying techniques and procedures for scientific research.

EVALUATION SYSTEM

- **FORMATIVE EVALUATION:** It is a monthly evaluation, registered on the resident's evaluation card, in accordance with the requirements of the program. It includes the results of teaching activities, attendance, and participation in courses, case discussions and rotations planned in the Program.
- **PROMOTION EVALUATION:** at the end of each academic period of residency. There are two components evaluated by the Academic Board appointed by the Rector of the University:
 - A practical examination.
 - A theoretical examination.Requirements: To qualify for this examination, the resident must have complied with the schedule of the research protocol called the Research Work of Completion of the Specialty, as endorsed by the tutors.

Score distribution for the year promotion evaluation:

- Course evaluation: 30 points (minimum 21 points)
- Theoretical exam: 30 points (minimum 21 points)
- Practical exam: 30 points (minimum 21 points)
- Research Work of Completion of the Specialty: 10 points (minimum 7 points)

To be considered approved, it is needed to obtain the 70% of points each year.

- **GRADUATION EVALUATION:** It is done at the end of the second year of residence. It has three components evaluated by the Academic Board appointed by the Rector of the University on behalf of the State:
 - Research Work of Completion of the Specialty presentation and discussion.
 - Practical examination.
 - Theoretical examination.