



**REPUBLIC OF CUBA
MINISTRY OF PUBLIC HEALTH**

**NATIONAL DIRECTORATE OF MEDICAL TEACHING
UNIVERSITY OF MEDICAL SCIENCES OF HAVANA**

SUMMARY

**ACADEMIC PROGRAM
SPECIALTY OF MAXILLO FACIAL SURGERY**

2007

GENERAL INFORMATION

- **Specialty Name:** Maxillo Facial Surgery
- **Academic degree:** First Degree Specialist
- **Institutions responsible for the program:**
 - National Directorate of Medical Teaching of the Ministry of Public Health.
 - University of Medical Sciences of Havana.
- **Educational Level:** Postgraduate.
- **Type of Specialty:** Stomatological
- **Programme Duration:** 3 years.
- **Type of Program:** modular, full time, training in-services.
- **Total academic hours:** 5363
- **Place of training:** services of clinical, pediatric, university polyclinics and other institutions that meet the requirements established in the Teaching Accreditation System of the MINSAP for postgraduate teaching activities.
- **Entry requirement:** To be a graduate of the Dentist career and to be in the full exercise of the profession.

CURRICULUM (SUMMARY)

TOPICS

MEDICAL CARE FUNCTION

Area I: Basic Medicine

- Module 1. Conditions of the Respiratory System
- Module 2. Conditions of the Cardiovascular System
- Module 3. Digestive System Conditions
- Module 4. Conditions of the Haemolymphopoietic System
- Module 5. Diseases of the Endocrine and metabolic System
- Module 6. Diseases of the Urogenital System
- Module 7. Nervous System Conditions
- Module 8. Infectious Diseases
- Module 9. Shock
- Module 10. Legal Medicine

Area II: Generalities in Maxillofacial Surgery

- Module 11. Basic Principles in Oral Surgery
- Module 12. Local and General Anesthesia
- Module 13. Surgical Risk
- Module 14. Pre and Postoperative
- Module 15. Surgical Anatomy of the Head and Neck
- Module 16. Odontogenic and Non-Odontogenic Septic Processes

Area III: Maxillofacial Traumatology

- Module 17. Comprehensive Care for the Polytraumatized
- Module 18. Basic Attention in Maxillofacial Trauma
- Module 19. Fractures of the Middle and Upper Third of the Face
- Module 20. Lower Third Face Fractures
- Module 21. Complex Fractures
- Module 22. Residual Deformities
- Module 23. Firearm Injuries

Area IV: Oral Surgery

- Module 24. Complications of Tooth Extraction
- Module 25. Retained Teeth
- Module 26. Preprosthetic Surgery
- Module 27. Periapical Surgery

Area V: Maxillofacial Pathology

- Module 28. Benign Cervico Facial Pathology
- Module 29. Benign Pathology of the Salivary Glands
- Module 30. Neurological Disorders of the Jaws
- Module 31. TMJ Disorders
- Module 32. Oral Manifestations of Systemic Diseases

Area VI: Oncological Maxillofacial Surgery

- Module 33. Premalignant Lesions of the Oral Cavity
- Module 34. Malignant Pathology of the Salivary Glands
- Module 35. Oral Cancer
- Module 36. Malignant Cervico Facial Pathology

Area VII: Orthognathic Surgery

- Module 37. Orthognathic Surgery

Area VIII: Vascular Microsurgery

- Module 38. Basic Fundamentals in Vascular Microsurgery

Area IX: Pediatric Maxillofacial Surgery

- Module 39. Comprehensive Management of the Pediatric Patient
- Module 40. Traumatology in the Pediatric Patient
- Module 41. Congenital Malformations of Attention in Maxillofacial Surgery

INVESTIGATIVE FUNCTION

- Module 42. Research

MANAGEMENT FUNCTION

- Module 43. Management in hospitals

TEACHING FUNCTION

- Module 44. Teaching-Learning Process.

GENERAL SCHEDULE BY YEARS

First Year	Second Year	Third Year
<p>Area I: Basic Medicine Module 1 - 10</p> <p>Area II: Generalities in Maxillofacial Surgery Module 11 - 16</p> <p>Area III: Maxillofacial Traumatology Module 17 - 18</p> <p>Area IV: Oral Surgery Module 24 - 27</p>	<p>Area III: Maxillofacial Traumatology Module 19 - 23</p> <p>Area V: Maxillofacial Pathology Module 28, 30, 31</p>	<p>Area V: Maxillofacial Pathology Module 29 and 32</p> <p>Area VI: Oncological Maxillofacial Surgery Module 33 - 36</p> <p>Area VII: Orthognathic Surgery Module 37</p> <p>Area VIII: Vascular Microsurgery Module 38</p> <p>Area IX: Pediatric Maxillofacial Surgery Module 39 - 41</p>
Module 42. Research		
Module 43. Management		
Module 44. Teaching-Learning Process		

DISTRIBUTION OF HOURS BY MODULES

Module	No	Theoretical activities hours	Self-work or practical hours	Total hours
Module	1	60	20	80
Module	2	60	20	80
Module	3	60	20	80
Module	4	60	20	80
Module	5	40	13	53
Module	6	40	13	53
Module	7	40	13	53
Module	8	40	13	53
Module	9	60	20	80
Module	10	60	20	80
Module	11	120	40	160
Module	12	40	13	53
Module	13	60	20	80
Module	14	40	13	53
Module	15	120	40	160
Module	16	120	40	160
Module	17	120	40	160
Module	18	40	13	53
Module	24	40	13	53
Module	25	40	13	53
Module	26	40	13	53
Module	27	40	13	53
I YEAR	Total	1340	447	1787
Module	19	120	40	160
Module	20	120	40	160
Module	21	120	40	160
Module	22	120	40	160
Module	23	120	40	160
Module	28	240	80	320
Module	30	240	80	320
Module	31	240	80	320
II YEAR	Total	1320	440	1760
Module	29	60	20	80
Module	32	120	40	160
Module	33	120	40	160
Module	34	120	40	160
Module	35	120	40	160
Module	36	120	40	160
Module	37	120	40	160
Module	38	120	40	160
Module	39	120	40	160

Module	40	120	40	160
Module	41	120	40	160
III YEAR		1260	420	1680
Module	42	40	13	53
Module	43	22	7	29
Module	44	40	13	53
	GRAND TOTAL	4022	1341	5363

MAJOR SKILLS AND COMPETENCES:

- Provide care to the patient who is a candidate for this specialty and establish behaviors in relation to oral-maxillofacial diseases.
- Apply the clinical method with full mastery of its methodological, theoretical, scientific foundations and the interaction of the elements that compose them.
- Issue total diagnostic judgments, considering the patient as an indivisible unit and in interaction with the environment and integral to it, taking into account the biological and psychological aspects.
- Indicate and interpret diagnostic investigations in relation to the level of development of the health unit where they practice their profession.
- Indicate, guide or carry out both preventive and curative measures and rehabilitation and evaluate their results.
- Make prognostic and evolutionary judgments and provide psychological support to the patient and her family.
- Establish criteria for admission, consultation, discharge, referral or follow-up when necessary.
- Manage diagnostic and therapeutic teams and interpret their results.
- Apply methods of Maxillofacial Surgery.
- Carry out the pre and post operative care of the patient demanding maxillofacial surgery.
- Participate in collective institutional work with multidisciplinary health teams.
- Carry out on duty and on call of the specialty.
- Maintain a close relationship with primary health care through the basic work group and the family stomatologist.

EVALUATION SYSTEM

- **FORMATIVE EVALUATION:** monthly evaluation, registered on the resident's evaluation card, in accordance with the provisions of the program. It includes the results of teaching activities, assistance, and participation in courses, case discussions and rotations planned in the Program.
- **PROMOTION EVALUATION:** at the end of each academic period of residence (1 year). It has two components evaluated by Academic Panel appointed by the Rector of the University:
 - Practical exercise.
 - Theoretical exercise.

Requirements: To qualify for this exam, the resident must have complied with the schedule of the investigative protocol called the Research Work of Completion of the Specialty (TTE), 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)
- TTE: 10 points (minimum 7 points)

To be considered approved, with 70% of the points of each year.

- **EVALUATION OF GRADUATION:** It is done at the end of the 3 years of residence. It has three components evaluated by Academic Panel appointed by the Rector of the University on behalf of the State:
 - Research Work of Completion of the Specialty (TTE) presentation and defense.
 - Practical examination.
 - Theoretical Examination

CERTIFY

The undersigned, Suiberto Hechavarría Toledo, MD, MSc, Head of the Cuban Medical Mission in the Kingdom of Saudi Arabia, attached to the Embassy of the Republic of Cuba in Riyadh, in the name and representation of of the Ministry Of Health of The Reupblic of Cuba I certify that the document MAXILLOFACIAL SURGERY SPECIALTY ACADEMIC PROGRAM, is authentic and officially approved by the Ministry of Public Health of Cuba.

If you require any additional information, please feel free to contact me at phone (+966) 55558773534, e-mail suiberto.h@gmail.com and stoledo@moh.gov.sa

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