

NEW YORK STATE EDUCATION DEPARTMENT

Report of a visit to the

Universidad Autonoma de Guadalajara

October 11-14, 1999

and

Maimonides Medical Center and Lutheran Hospital

January 6, 2000

INTRODUCTION

The objective of the site visit team was to evaluate the preclinical basic science component of the program of medical education of the Universidad Autonoma de Guadalajara that takes place in Mexico and the clinical component of the University's program of medical education that takes place in New York State. The major purpose of the visit to the campus in Guadalajara was to assess whether that part of the University's program of medical education, primarily the basic medical sciences, adequately prepares students for clinical training in hospitals in New York State. The purpose of the visit to Maimonides Medical Center and Lutheran Medical Center was to assess the clinical training of Universidad Autonoma de Guadalajara's students, to review faculty and student records, to meet with academic and administrative officers of the University regarding the respective roles of the University and the affiliated hospitals in student selection, supervision, course work, and academic evaluation, primarily the basic medical sciences, which prepares students for clinical training, and the respective roles of the University and the affiliated hospitals in student selection, supervision, course work, and academic evaluation.

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Activities of the Team During the Evaluation

The team members reviewed individually all of the materials provided by the University prior to the visit. These included the Data Base Document, the appendices to it, the catalog, course outlines, and examinations. Student and faculty records and curricular materials were examined in Guadalajara, Maimonides Hospital, and Lutheran Medical Center. The team inspected academic and hospital facilities in Guadalajara and hospital facilities in New York State. The team members interviewed administrative officers and faculty members in Guadalajara and New York State. On the basis of these activities, the following observations, related to appropriate sections of the Guidelines for the Evaluation of Medical Programs, are presented with the respect to the program for International Students as offered by the University.

FOREWORD

The Universidad Autonoma de Guadalajara was approved with conditions in 1983. A revisit took place in 1987. Based on the findings of the site visit team, approval was continued on May 26, 1988, effective through June 30, 1992. Approval beyond June 30, 1992 would have been dependent upon the results of the Department's subsequent formal review, which was scheduled to occur prior to June 30, 1992. In December 1991, however, the University informed the Department that approval would not be sought beyond June 30, 1992. On that date the Department's approval expired. In 1995, the University requested that an evaluation of its program leading to approval be undertaken. In November 1995, representatives of the New York State Education Department again visited the University. In March 1996, the University administration was informed that the University's medical program was approved through June 30, 1999 and that continuation of the approval beyond that date would require a site visit in late 1999. In addition, the University was required to furnish the Department with an interim report within 24 months. The content of the report would determine if a site visit would be undertaken at that time. When the report was submitted it was determined that an interim site visit was not necessary.

ADMINISTRATION

The University was founded in 1935 and an act of permanent incorporation was granted to the Universidad Autonoma de Guadalajara (UAG) by the National Autonomous University of Mexico on August 3, 1937. On July 16, 1991, by presidential decree number 158, published in the Diario Oficial de la Federación, educational autonomy was granted to UAG, which permits the University to award academic degrees, the legitimacy of this was testified to by the national Secretaria de Educacion Publica (SEP), Department of Education. Ownership is vested in Ia Universidad Autonoma de Guadalajara, Asociacion Civil (A.C.), a non profit organization with standing under Mexican law similar to that of a non-profit corporation in the United States.

The University comprises over 20 schools, including the schools of Accounting, Agriculture, Architecture, Biological Sciences, Business Administration, Chemical Science, Computer Science, Dentistry, Economics, Education, Engineering, Fine Arts, Industrial Design, Interior Design, International Careers, Law, Linguistics, Mass Communications, Mathematics, Medicine, Natural Sciences, Nursing, Psychology, and the Tourist and Hotel Industries and offers numerous semiprofessional and specialization courses, and grants 51 undergraduate, 12 master's, 26 specialty and 2 doctoral degrees. The Mexican Federal Department Secretary of Public Education (SEP) accredits the Universidad Autonoma de Guadalajara.

In addition, the UAG maintains educational exchanges and affiliations with universities in the United States, Brazil, Japan, and many other countries worldwide. Making maximum use of its resources, the University operates an elementary school, two middle schools, and three high schools, as well as postgraduate and continuing education divisions, and a community college (UNICO), the first in Mexico. Facilities include two teaching

hospitals, a dental clinic, three convention centers, four libraries, a newspaper printing plant, a large publishing shop, a television studio, a planning and building department, and a legal department. The University offers numerous additional services and facilities as well. In conjunction with its library services, the UAG provides a map room, a periodicals section, a film library, and a data bank, the Center of Applied Psychology, the International Languages Center, the Center for Asian and Latin American Studies, sports installations, computer laboratories, specialized laboratories in different areas of education, a travel agency, a bank, automatic tellers, a copy center, postal service, a sports shop, a gasoline station, a bookshop and school-supplies store, and a clinic specializing in sports medicine.

According to the catalog, 'The UAG School of Medicine strives to produce physicians who are compassionate as well as capable of treating illness. The faculty recognizes that performance, as a physician requires not only intellectual skills but also certain personal characteristics and behavior that reflect sensitivity to human needs. The curriculum and instructional methods are designed to develop and enhance these qualities in each student.'

The members of the Board of Trustees are:

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Doctor of Medicine

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Doctor in Dental Science, Master in Education

Director of the Odontology School

Palma Fernandez del Valle, Licentiate

Licentiate in Literature, Licentiate in Library Science

Director of Health Sciences Library

FACILITIES

The University maintains two primary facilities for the program of medical education. The first two years are spent at the Institute of Biological Sciences (ICB) which is approximately one

mile east of the central university campus. The final two years are spent at the Dr. Angel Leano University Hospital (HAL) and at 104 other affiliated clinical sites for specific clinical training.

The ICB has 11 buildings containing approximately 11,093 net usable square meters in 15 classrooms and auditoriums as distributed below:

Building	Year Completed	Net Usable Meters²	Function
Building A	1980	2,089	Offices and libraries
Building B	1979	674	Conferences, seminars, meetings
Building C	1979	306	Teaching
Building D	1979	295	Teaching
Building E	1979	558	Teaching
Building F	1970	1,465	Teaching and cafeteria
Building G	1964	1,958	Teaching
Building H	1964	44	Library and Copy Center
Building J	1964	1,105	Engineering/Micro Labs
Building K	1964	1,803	Amphitheaters
Building L	1964	796	Teaching/ Administration
TOTAL		11,093	

The number of seats in the classrooms range between 78 and 600. There is an anatomy dissecting room (3 amphitheaters) for 30 students with 18 cadaver tables; an anatomy microscope laboratory (two laboratories for histology-embryology) with 40 student seats and 40 microscopes

per laboratory; three biochemistry laboratories with a total of 100 student bench spaces; three microbiology laboratories with a total of 146 student bench spaces; a physiology laboratory with 155 student work seats and a pathology laboratory with microscopes for 40 students. Other laboratories are:

- ◆ A laboratory for the development of clinical skills;
- ◆ A laboratory for surgical techniques using laboratory animals for preclinical surgical practice;
- ◆ A cardiac auscultation laboratory;
- ◆ A radiology laboratory; and
- ◆ A laboratory for practice with anatomical models.

The Institute of Biological Sciences also houses special resources that include facilities for:

- ◆ Medical photography and illustration;
- ◆ Electronic maintenance and repair;
- ◆ Computers and data processing;
- ◆ Printing and duplicating;;
- ◆ A machine shop; and
- ◆ Audiovisual-multi-media viewing.

The Dr. Angel Leano University Hospital (1-LAL) and Medical Center contains a large teaching hospital, clinical laboratories, a pathology laboratory, eight lecture halls that seat between 150 and 450 students. Each classroom is equipped with appropriate audio-visual teaching aids. There are eighty-eight small rooms for personalized clinical work with patients and

several small classrooms for tutoring. The table below describes the physical plant at Dr. Angel Leano No. 500, Zapopan, Jal., four miles north of the main university campus:

Building	Year Completed	Net Usable Meters²	Function
Pathology Laboratory	1973	325	Teaching
Type II Classrooms	1973	1,680	Teaching
Auditorium	1983	550	Conferences
Administrative	1973	967.41	Academic, Admin. & Counseling
Ambulatory Care	1977	1,628	Teaching and Care Areas
Info. Resources	1979	2,728	Library Computer Info.
Administrative	1979	4,500	Conference Rooms
Child Day Care	1975	636.30	Care for Children of Students/Staff
Nutrition Lab.	1983	100	Teaching Area
Type III Classrooms	1975	1,230	Teaching Area
Type I Classrooms	1974	2,534	Teaching Area
Administrative Office	1975	2,086	Students Services
Dr. Angel Leano Hosp	1983	26,562	Delivery of Health Care
TOTAL		41,026.71	

Students in the medical program have access to two main libraries at the medical school available to them, the Clinical Science and the Basic Science Libraries. The Clinical Science Library

houses 17,624 volumes with about 2,000 added each year. The Basic Science Library houses 12,089 volumes with about 1,100 added each year. In addition, the libraries contain reading areas, study carrels, audiovisual rooms, and offices for the use of staff and students. The Audiovisual Education Center at the Basic Science campus has 10 audio viewers, 25 TV sets with integrated VCRs, 6 monitors, and 4 VCRs, 62 anatomical models, 290 videotapes, and 665 audiovisual programs. The Audiovisual Education Center at the Clinical Science campus has 60 audio viewers, 6 monitors, 6 VCRs, 220 anatomical models, 2 slide viewers, 1 video disc recorder, 14,485 original video programs, and 1,442 copies, 308 videos, 11 video laser discs, 38 computers and several medical CDs. The Head Librarian is Lic. Ma Palma Fernandez del Valle who has an undergraduate degree in library science from UAG and graduate studies from Baylor University.

An innovative Patients-in-Study Program (UPE) gives added clinical depth to the HAL Medical Center. Patients in need of medical treatment are brought into this program and are provided with free medical attention in exchange for the added clinical exposure it affords to students. The patients in this program stay for periods long enough to assure adequate follow-up on the clinical course of their illnesses.

Among HAL's facilities are a new neonatal Intensive Care Unit; a large outpatient service with various specialty clinics; emergency room; and the most advanced surgical and radiological services, sophisticated patient-monitoring systems, and extensive audiovisual instructional facilities.

In addition to its key position in the School of Medicine's undergraduate clinical instruction program, Dr. Angel Leano University Hospital and Medical Center offers postgraduate training in fourteen specialties: anesthesiology, dermatology, endocrinology, general surgery, internal medicine, neurology,

neurosurgery, obstetrics and gynecology, ophthalmology, pediatrics, otolaryngology, radiology, traumatology and orthopedics, and urology.

FACULTY

There were 285 full-time basic science faculty distributed as follows:

Department	Prof.	Assoc. Prof.	Assist. Prof.	Instructor	Total	P.T. (Paid)
Anatomy/Embryology	20			1	20	2
Biochem./Nutrition	11			5	11	2
Microbiology	14			3	14	1
Physiology	11			5	11	4
Pharmacology	9			2	9	1
Clinical Skills	36				36	
Surgical Techniques	12				12	
Public Health	7			4	7	
Histology/Genetics	10			1	10	1
Psychology	8			2	8	
Pathophysiology	34			4	34	16
Pathologic Anatomy	8				8	1
Neuroscience	2				2	
Computer Science	7				7	
Bioethics						13
Integral Unity	5				5	
Pedagogical Support	6				6	
Community Medicine	58				58	4
TOTAL	258			27	258	45