

# RCA

## Residency in Health Care Quality

(Edition 2013)

## First Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4140	Clinical Ethics	1.5	0	6	1.5	6	1.8
ME4142	Quality Health Care	1.5	0	6	1.5	6	1.8
ME4177	Management in Clinical Care I	3	0	12	3	12	3.5
ME4178	Hospital Practice I	0	60	12	3	60	3.5
		6	60	36	9	84	10.6

## Second Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4141	Health Sciences Education	1.5	0	6	1.5	6	1.8
ME4143	Research and Innovation Methods	1.5	0	6	1.5	6	1.8
ME4179	Management in Clinical Care II	3	0	12	3	12	3.5
ME4180	Hospital Practice II	0	60	12	3	60	3.5
		6	60	36	9	84	10.6

## Third Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4144	Thesis Project I	3	0	12	3	12	0
ME4181	Management in Clinical Care III	3	0	12	3	12	3.5
ME4182	Hospital Practice III	0	60	12	3	60	3.5
		6	60	36	9	84	7

## Fourth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5190	Thesis Project II	3	0	12	3	12	
ME5225	Management in Clinical Care IV	3	0	12	3	12	3.5
ME5226	Hospital Practice IV	0	60	12	3	60	
		6	60	36	9	84	3.5

## Fifth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5191	Elective Specialty I	0	30	6	1.5	30	
ME5227	Management in Clinical Care V	3	0	12	3	12	3.5
ME5228	Hospital Practice V	0	30	6	1.5	30	
		3	60	24	6	72	3.5

## Sixth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5192	Elective Specialty II	0	30	6	1.5	30	
ME5229	Management in Clinical Care VI	3	0	12	3	12	3.5
ME5230	Hospital Practice VI	0	30	6	1.5	30	
ME5266	Thesis Defense	0	0	1	.3	0	
		3	60	25	6.3	72	3.5

### Academic credits

- CL** The letter "CL" indicates the number of class-hours per week.
- L** The letter "L" indicates the number of laboratory-hours per week.
- U** The letter "U" represents the equivalent time in courses lasting 15 weeks (semester) and 12 weeks (trimester), of weekly work that the student dedicates to the course to meet its objectives. They include the "class hours", as well as the time dedicated to the student's independent work.
- CA** The letters "CA" represents the number of semester credit hour of the course.
- HT** Total hours
- UDC** Load Units

## **Program and Learning Outcomes**

### **General Program Objectives**

The aim of the Residency in Health Care Quality of Tecnológico de Monterrey is to train exceptional specialist practitioners who apply their knowledge and innovative practices at the macro and micro healthcare levels, according to the highest quality and safety standards. It also seeks to prepare individuals with integrity and a humanistic outlook in their clinical, teaching and research practice, while strictly adhering to ethical principles and the standards of professional practice. Health Care Quality Residents who graduate from this institution are outstanding leaders in local and international settings who design, implement and evaluate effective operating strategies in organizations belonging to the healthcare sector, based on investigation processes and innovation, bringing about organizational change in this sector.

### **Learning Outcomes**

On completing the program, students will be able to:

- Drive and direct organizational change and innovation through resource and health service infrastructure management, in order to construct, transform and operate clinical and administrative healthcare processes that are centered on the patient and his/her family, constantly seeking quality, safety and self-sustainability in healthcare services.
- Develop and transform their community through the collaborative construction of knowledge; the lifelong development of their abilities and skills; professional development founded on ethical values; relevant scientific research in the clinical-systemic interface; and the ongoing consolidation of their capacity to perform in national and international settings

### **Target Audience**

This program is aimed at physicians who have passed the national Medical Residency Applicant Examination and who have an interest and vocation in this specialty; the skills and attitudes for evaluating the quality and safety of healthcare processes and for leading improvement efforts within the framework of health organizations and services; a sense of commitment to patient safety and the provision of quality first-contact healthcare services; the capacity to read and comprehend medical literature in English. They must also be available full time to cover academic and healthcare activities in compliance with the regulations in effect.

In order to be admitted to the Residency in Healthcare Quality of Tecnológico de Monterrey, applicants must satisfactorily meet the graduate admission requirements stipulated by ITESM and the Mexican Ministry of Health.

## **Program Outcomes**

### **Justification**

There is a growing interest in all health-provider institutions to research and solve quality and safety issues in patient care. However, they are facing an absence of specialist medical practitioners in this field and are, therefore, forced to introduce specialists from the industrial sector who strive to solve infrastructure and comfort problems or who train empirically through their daily practice, unable to have an impact on the physician-patient relationship in clinical and surgical processes, and, thus, failing to make the fundamental aspect of patient safety the focus of attention of the quality programs currently being developed in public and private healthcare institutions.

The Residency in Health Care Quality responds to the need for professionals who can form part of a dynamic, developmental, reforming process tied to the hospital and ambulatory experience and reality, linked inextricably to the hospital and healthcare clinics, with in-depth, consolidated knowledge in several areas of medicine to enhance medical practice within a multidisciplinary team.

The program facilitates the integration of knowledge, skills, abilities and attitudes concerning Health Care Quality with a level of proficiency that provides the resident and future specialist with the leadership to direct and assist in the analysis, restructuring and improvement of processes of change in medical and surgical attention in any of the three levels of attention ? ambulatory, hospital and emergency ? that affect the physical, mental and social health of individuals. Knowledge related to the quality, safety, self-sustainability and standardization of clinical processes is integrated within a framework of evidence-based medicine that guarantees its application from the initial patient contact to the patient's recovery in any public or private healthcare system.

### **Program Objectives**

The aim of the Residency in Health Care Quality of Tecnológico de Monterrey is to train exceptional specialist practitioners who apply their knowledge and innovative practices at the macro and micro healthcare levels, according to the highest quality and safety standards. It also seeks to prepare individuals with integrity and a humanistic outlook in their clinical, teaching and research practice, while strictly adhering to ethical principles and the standards of professional practice. Health Care Quality Residents who graduate from this institution are outstanding leaders in local and international settings who design, implement and evaluate effective operating strategies in organizations belonging to the healthcare sector, based on investigation processes and innovation, bringing about organizational change in this sector.

### **Learning Outcomes**

Graduates from the Health Care Quality program will be able to: Drive and direct organizational change and innovation through resource and health service infrastructure management, in order to construct, transform and operate clinical and administrative healthcare processes that are centered on the patient and his/her family, constantly seeking quality, safety and self-sustainability in healthcare services.

Develop and transform their community through the collaborative construction of knowledge; the lifelong development of their abilities and skills; professional development founded on ethical values; relevant scientific research in the clinical-systemic interface; and the ongoing consolidation of their capacity to perform in national and international settings

### **Target Audience**

Physicians who have passed the National Medical Residency Applicant Exam and who have an interest in and vocation for this specialty; with the skills and attitudes to evaluate the quality and safety of the clinical care processes and to drive improvement efforts within a framework of health-service organizations; with a sense of commitment to patient safety and quality in the provision of first-contact health services; and the capacity to read and comprehend the medical literature in English; and availability to study full-time in order to cover the academic and healthcare activities consistent with the current regulations.

For admission to the Residency in Health Care Quality, applicants must satisfactorily meet all the graduate admissions requirements of Tecnológico de Monterrey and of the Ministry of Health.

### **Research Areas**

- Assessment of Quality in the 6 Dimensions of Medical Care: Safe Care, Patient-Centered Care, Timely Care, Efficient Care, Effective Care, Equitable Care.
- Diagnostic processes and organizational change for the optimization and management of resources.
- Education in quality and patient safety

Campus that offer this program

<b>Campus</b>	<b>Number of periods offered</b>	<b>From</b>	<b>Closed for new students</b>
<b>Monterrey</b>	Complete	Resid Espec Mar-Aug 2013	

**Last update:** 05/December/2012

## Graduate Requirements

To obtain a specialty degree, a master's degree or Ph. D. degree at Tecnológico de Monterrey, students are required to:

1. Have completely finished the undergraduate cycle prior to passing the first course in the curriculum of the specialty, master program, medical residency, or doctoral program.
2. Have fulfilled, in compliance with existing standards, the academic prerequisites of the corresponding program, through proficiency tests or the corresponding remedial courses.
3. Have obtained a bachelor degree—with the antecedent of high school or its equivalent—that is equivalent to those offered by Tecnológico de Monterrey.
4. Have covered all the courses in the given curriculum, either by passing the courses at Tecnológico de Monterrey or by obtaining revalidation or equivalence agreements—in compliance with the standards—corresponding to part of the courses taken at other institutions, and passed the remaining courses at Tecnológico de Monterrey. Courses taken at foreign universities with which there are agreements are considered, for the effects of this article, as courses taken at Tecnológico de Monterrey, as long as they do not exceed a set percentage of the curriculum established by each graduate program.
5. In those curricula that so specify, to have prepared a research project or thesis that, having been defended before an academic committee, has been approved by said committee.
6. Have taken at least the equivalent of the second half of the corresponding curriculum at Tecnológico de Monterrey, in the case of students with revalidation or equivalence agreements at this level. Flexibility may be exercised in this standard in graduate programs that, under agreement, may be established jointly with other universities.