

RGE

Residency in Geriatrics

(Edition 2013)

First Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4140	Clinical Ethics	1.5	0	6	1.5	6	1.8
ME4170	Internal Medicine I	3	0	12	3	12	3.5
ME4201	Medical Care in Geriatrics and Gerontology I	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Second Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4142	Quality Health Care	1.5	0	6	1.5	6	1.8
ME4172	Internal Medicine II	3	0	12	3	12	3.5
ME4202	Medical Care in Geriatrics and Gerontology II	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Third Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4141	Health Sciences Education	1.5	0	6	1.5	6	1.8
ME4174	Internal Medicine III	3	0	12	3	12	3.5
ME4203	Medical Care in Geriatrics and Gerontology III	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Fourth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4143	Research and Innovation Methods	1.5	0	6	1.5	6	1.8
ME4176	Internal Medicine IV	3	0	12	3	12	3.5
ME4204	Medical Care in Geriatrics and Gerontology IV	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Fifth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4144	Thesis Project I	3	0	12	3	12	0
ME5249	Geriatrics and Gerontology I	3	0	12	3	12	3.5
ME5250	Medical Care in Geriatrics and Gerontology V	0	60	12	3	60	
		6	60	36	9	84	3.5

Sixth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5191	Elective Specialty I	0	30	6	1.5	30	
ME5251	Geriatrics and Gerontology II	3	0	12	3	12	3.5
ME5252	Medical Care in Geriatrics and Gerontology VI	0	30	6	1.5	30	
		3	60	24	6	72	3.5

Seventh Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5190	Thesis Project II	3	0	12	3	12	
ME5253	Geriatrics and Gerontology III	3	0	12	3	12	3.5
ME5254	Medical Care in Geriatrics and Gerontology VII	0	60	12	3	60	
		6	60	36	9	84	3.5

Eighth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5192	Elective Specialty II	0	30	6	1.5	30	
ME5255	Geriatrics and Gerontology IV	3	0	12	3	12	3.5
ME5257	Medical Care in Geriatrics and Gerontology VIII	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 principal aim of the Residency in Geriatrics of Tecnológico de Monterrey is to train exceptional Geriatricians who meet the healthcare needs of the elderly, according to the highest quality and safety standards, in inpatient, outpatient and pro- longed-care settings. 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. Geriatricians who graduate from this institution are outstanding leaders in both local and international settings, and contribute to designing strategies and generating innovations to solve problems related to the health of the elderly.

Learning Outcomes

On completing the program, students will be able to:

- Develop geriatric care models for institutional and private environments, based on the human being and the social and family environment, within the framework of medical ethics;
- Coordinate the actions of interdisciplinary healthcare teams for the medical and gerontological care of their patients, constantly seeking to improve their quality of life;
- Conduct clinical research projects in geriatrics;
- Provide the highest quality healthcare based on state-of-the-art geriatrics within a framework of ethics and professionalism;
- Educate healthcare personnel and the community on the attention and care of elderly patients.

Target Audience

This program is aimed at general doctors who have a deep social commitment and an interest in providing quality care for senior citizens from a holistic perspective, identifying the patient as the protagonist of this care.

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

Program Outcomes

Justification

Today, in Mexico, there are 420 geriatricians who comply with the requirements demanded by educational and health authorities and a population of almost nine million senior citizens. International recommendations suggest the existence of one geriatrician for every 2,500 senior citizens. The aforementioned figure for Mexico implies the existence of one geriatrician for every 22,000 senior citizens. Additionally, the group of the elderly is expected to grow faster than all other age groups over the next 40 years. Senior citizens show physiological changes and sicknesses with a high demand for human, social and economic resources. Tecnológico de Monterrey assumes the commitment to train Specialists in Geriatrics who have a humanistic vision and highly ethical principles, who are committed to the social, educational and economic development of their communities, who are competent on a world level and who are committed to the sustainable use of natural resources.

Program objectives

The principal aim of the Residency in Geriatrics of Tecnológico de Monterrey is to train exceptional Geriatricians who meet the healthcare needs of the elderly, according to the highest quality and safety standards, in inpatient, outpatient and prolonged-care settings. 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. Geriatricians who graduate from this institution are outstanding leaders in both local and international settings, and contribute to designing strategies and generating innovations to solve problems related to the health of the elderly.

Learning outcomes

Graduates from the Residency in Geriatrics of Tecnológico de Monterrey will be able to:

- Develop geriatric care models for institutional and private environments, based on the human being and the social and family environment, within the framework of medical ethics;
- Coordinate the actions of interdisciplinary healthcare teams for the medical and gerontological care of their patients, constantly seeking to improve their quality of life;
- Conduct clinical research projects in geriatrics;
- Provide the highest quality healthcare based on state-of-the-art geriatrics within a framework of ethics and professionalism;
- Educate healthcare personnel and the community on the attention and care of elderly patients.

Target audience

This program is directed to general doctors with a high level of social commitment and with an interest in offering comprehensive, quality attention to the elderly, identifying the patient as the protagonist in this attention.

For admission to the Residency in Geriatrics of the School of Medicine and Health Sciences of Tecnológico de Monterrey, candidates must satisfactorily meet all the graduate admissions requirements of Tecnológico de Monterrey and of the Ministry of Health.

Research areas

Fragility, transitional states and their determinants. Validation of diagnostic methodologies for fragility and the study of the intermediate states between strength and fragility, in order to determine who will tend to become more fragile, as well as the study of the determinants of fragility: nutrition, physical activity, physical condition, sarcolemma, comorbidity, allostatic load, mental problems and support networks. The final objective is to identify a series of actions that would prevent and/or revert the process of fragilization.

Altered cognitive state, determinants and consequences. Validation of screening and diagnostic tests for cognitive problems in our population across the different educational strata (from those who are unable to read to those with maximum levels of education), identification of modifiable risk factors in our population and the observation of the response to the modification of the said risk factors, as well as the determination of the individual, family and social consequences of cognitive disorders. The final objective is to identify a series of actions that would prevent and minimize the consequences of different cognitive disorders.

Campus that offer this program

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

Last update: 06/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.