



**2017**

# **Kermanshah University of Medical Sciences**

**is the home of innovation and entrepreneurship**

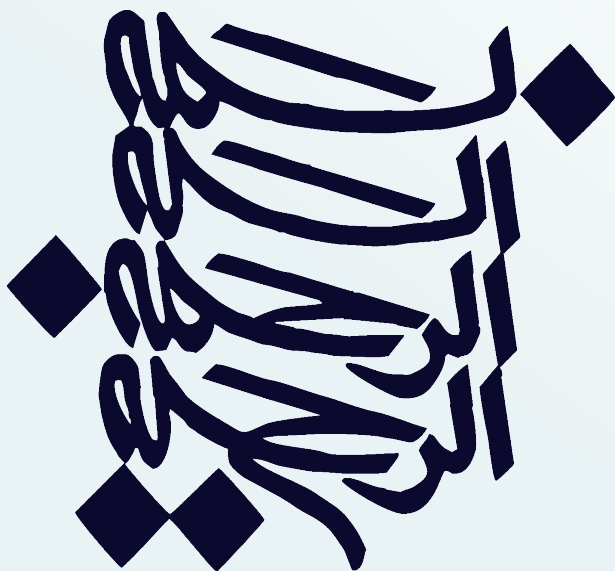




Photo by: Ali Doosti

IN THE NAME  
OF ALLAH  
THE ALL MERCIFUL  
THE MOST COMPASSIONATE

به نام  
خداوند  
بخشنده  
مهربان



به ناوی  
خوای  
گه و مره و  
میهره بان

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“KUMS  
Inspires  
You to  
Achieve  
More”

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# Message from the Chancellor

Welcome to Kermanshah University of Medical Sciences (KUMS). KUMS is one of the leading medical universities in the western Iran, and in the Middle East, and it is one of the largest centers for medical training and research in Iran with one of the highest densities of clinical facilities for patient care, basic science, and translational research. We are committed to ensuring excellence in academic achievements and innovative research as well as the promotion of health status of people in the society.

KUMS actively collaborates with other countries around the world. You will soon discover that KUMS provides a fascinating study and work environment by which offers you beneficial effects on both research and social life.

Being a member of the national health system and in line with the national health policies, KUMS aims to develop and maintain appropriate structural and managerial models and procedures within the national health system, to participate in publication of renowned scientific resources and contribute to the promotion of science at national and international levels.

*Hosein Karim, MD  
Chancellor of KUMS*



# KUMS 2017

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## WELCOME

This book provides basic information about Kermanshah University of Medical Sciences (KUMS) including its history, programs, faculties, students, staff, facilities and accommodation. The information was updated from reliable sources in 2017.

You'll find general and detailed information about the university and its departments and related activities in the following website. This comprehends information about the university, research, and education. For more information please contact the office of International Affairs.

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KERMANSHAH UNIVERSITY OF  
MEDICAL SCIENCES  
(KUMS)

## About Kermanshah

The city of Kermanshah is the capital of Kermanshah Province, located in the western part of Iran. Kermanshah is the largest and central city in the west with a population about one million people. Kermanshah developed in the 4<sup>th</sup> century AD under the patronage of the Sassanid. The city is situated on the foothills of the Zagros mountain range, 525 km south-west of Tehran. It has many natural and historical sightseeing in the city and the towns around. The city enjoys a temperate climate and regular seasons. The people of Kermanshah are warm and friendly. The languages spoken by the people are Kurdish and Farsi. The beautiful nature, together with its people's dialects and their spiritual and religious characters make the province substantially unique in the region. Kermanshah has a rich history of culture and civilization, possessing monuments illustrating its people's values for life and humanity throughout historic and prehistoric periods.







**Taq Bostan, located in the city of Kermanshah, is a series of large rock reliefs from the era of Sassanid Empire of Iran (226 to 650 AD)**

## About KUMS

**K**ermanshah University of Medical Sciences was inaugurated as the Nursing High School in 1968, and became the medical college in 1975. After the Islamic Revolution, it was further developed into the Medical University in 1985. The University has 391 faculty members and 4657 students studying at all levels of medical fields at KUMS's faculties, and doing their practical training and placement in Teaching Hospitals.

The university regulates and coordinates the activities of medical education, training and research in healthcare profession throughout Kermanshah Province. In addition to teaching and treatment, it has also been dealing with such areas as research and innovations in order to develop allied medical sciences. Among the countless research activities, the university mainly focuses on higher research programs in Basic Medical Sciences, Allied Medical Sciences and Nursing. The university also serves the recent scientific and technological leap in the country and promotes the public health by means of scientific strategies and measures.

This university has eight Vice-Chancellors, six faculties (**Table 1**), and seventeen Hospitals. Seven of these Hospitals are in Kermanshah city, and the others are located in its towns as follows: Islam Abad, Paveh, Javanroud, Sarpole' Zohab, Sonqor, Sahneh, Qasre-Shirin, Kangavar, Gilan Gharb and Harsin.

Based on the vote of 222<sup>th</sup> meeting of the Development Council of Universities of Medical Sciences on March 18, 2013, Kermanshah University of Medical Sciences was promoted to type I university. It was also recognized as the national pole of community-oriented medicine at the same year. Moreover, the educational management of KUMS ranked first in the latest educational ranking of universities (RAD plan). Furthermore, in the overall educational ranking of universities in 2011, KUMS ranked first among the universities in the west of Iran. Accordingly, it ranked sixth in the domain of qualitative development of education among universities in Iran.

<b>Faculties</b>	<b>Date of Establishment</b>	<b>Number of Faculty Members</b>	<b>Number of Programs</b>	<b>Number of Students (2017)</b>
Medicine	1976	233	26	1553
Pharmacy	2002	21	2	412
Dentistry	2008	42	1	428
Nursing & Midwifery	1987	31	6	667
Allied Medical Sciences	2008	26	8	872
Public Health	1997	34	11	630
Nursing (Songhor)	2013	3	1	88



# The Organizational Mission Statement

**K**UMS aims at encouraging research and training scholars who excel in their field of study, and promote the sciences they pursue and communities they interact with. It is also committed to bringing a qualitative and quantitative revolution in medical education by providing an environment geared towards promoting research and academic culture in order to improve the existing healthcare system.

We are committed to providing transformational experiences for students and faculty members in an inclusive and collaborative environment where creative scholars generate bold ideas, innovate in the face of complex challenges, and distinguish themselves as active citizens of the world. It combines the academic excellence of a major research university with the practical experiences of an institution whose history, location, and diversity make it a microcosm of the world where students will enter when they graduate.

## Our Goals:

KUMS strategic vision has been generated from five specific goals, articulating its aspirations and providing a framework for pursuing excellence in scholarship, research, and community enrichment.

KUMS has pledged to:

- Anticipate, understand, and prepare for the future of higher education.
- Promote students' success.
- Strengthen the research enterprises.
- Develop a sustainable revenue model to allow a constant growth and improvement.
- Improve community's involvement.

## Vision:

Our vision is to represent a model public research university and train creative scholars across a broad range of disciplines that have a profound impact on one another, and subsequently the world. To fulfil this aim, KUMS is to accomplish the following goals to benefit the students, society, country and ultimately the world:

- Acquiring the required capabilities in rendering higher educational services to promote academic status regionally as well as internationally.
- Having an active role in documenting our achievements and production of science, research, and publishing scientific articles in the international journals.
- Improving the health status of individuals in the society by meeting their health needs and obtaining the required technology for producing strategic medical supplies, and enhancing the quality and the diversity of the sub-specialized health care services.

# Main Aims and Duties

## Aims:

- Developing talents through scientific teaching and research and prevailing medical and allied sciences in order to help equip and supply specialist workforce needed for the country.
- Establishing research facilities in order to recognize unknown potential factors and to increase scientific strength to deal with health problems.
- Developing health facilities in the society through treatment centers and organizations and their related health care centers.

## Duties:

- Training students in different areas of allied medical sciences and developing community-based medical education.
- Establishing relationships with other universities and exchanging instructors and students with universities inside the country and overseas.
- Holding scientific and educational seminars and conferences.
- Writing and translating books and publishing journals in different areas of medical sciences.
- Attempting to perform general policies of the Health Ministry and supervising those attempts to provide public health and improving it through the application of health programs, especially in the following domains of environmental health and fighting against diseases, family and school health, teaching public health and occupational health while emphasizing public healthcare measures especially with regard to “mothers and children”.
- Guiding and briefing authorities involved in planning when preparing plans and programs for subunits, integrating and coordinating programs with regard to priorities.
- Supervising demographical studies and analyzing the resulting statistics related to health programs in order to be aware of the quality and quantity of health activities.

# Core Values

## Collaboration:

Kermanshah University of Medical Sciences contributes to the advancement of society by building a partnership with students, business and industry, government bodies, accrediting agencies, and the communities which the university serves.

## Diversity:

By providing a campus which is supportive, safe, and welcoming, KUMS embraces a diversity of ideas, beliefs, and cultures.

## Ethical Community:

KUMS recognizes the inherent dignity of each member of the university and treats everyone with respect. Our actions are guided by fairness, honesty, integrity, race, religion, and gender.

## Excellence:

Committed to innovation and creativity, KUMS strives to produce high quality outcome in all its endeavors.

## Learning:

KUMS values education that is career-oriented, balances theory and practice, develops critical thinking, emphasizes active learning, and fosters responsibility and the desire for the lifelong pursuit of knowledge.

## Opportunity:

Focusing on developing career skills and knowledge, KUMS provides opportunities for community involvement, leadership development, advancement, and success.

# KUMS Capabilities

**K**UMS has prominent capabilities and characteristics including:

- The presence of all branches of medical specialty training in the university.
- The activities of Imam Reza (AS) Hospital as the top hospital in western Iran with the highest evaluation rank in Iran.
- The activities of the cardiology and cardiovascular surgery center in Imam Ali (AS) Hospital.
- The activities of Kidney Transplant Center.
- Conducting an educational program for nurses to provide coverage for the western Iran.
- A major trauma center located in Taleghani Hospital equipped and staffed to provide care for patients suffering from major traumatic injuries such as falls, motor vehicle collisions, or gunshot wounds.
- Our departments and centers are equipped with “state-of-the art” technology.

## **KUMS International Strategies**

**A**s one of the largest medical sciences universities in Iran, KUMS undoubtedly has identified and realized the significance of moving toward the international realm of higher education. Our achievements and capabilities enable us to be evaluated by international criteria in higher education. Accordingly, the office of Global Strategies and International Affairs (GSIA) has tailored various frameworks and strategies to effectively enhance the international activities of KUMS.

KUMS has embarked upon an adventurous journey towards becoming a renowned international university. Meanwhile, we approach, take up, and tackle any challenges with care and accuracy. We have witnessed significant improvement and advances with regard to international development so far, and we are sincerely keen to carry on this trend in the future. Internationalization has been an indispensable part of future development of KUMS. Despite being new in the international affairs, the university has developed collaboration with several international institutes and universities.

To fulfill this aim, KUMS is engaged internationally in numerous activities regarding international and cross-border interactions such as student/scholar/staff mobility (both from and to KUMS), joint educational services with other universities and institutes of higher education, and the last but not least, a cooperation with research joint ventures. Such interactions support KUMS to boost its international identity.





## **KUMS Vice Chancellors**

- **Vice Chancellor for Education**
- **Vice Chancellor for Research and Technology**
- **Vice Chancellor for Student Affairs**
- **Vice Chancellor for Public Health**
- **Vice Chancellor for Food and Drug Administration**
- **Vice Chancellor for Resource Management Affairs**
- **Vice Chancellor for Clinical Affairs**
- **Vice Chancellor for Social Affairs**



## Vice Chancellor for Education

Vice Chancellor for Education in KUMS is responsible for policymaking, planning, controlling and directing academic affairs, monitoring the implementation of academic and educational regulations, deciding about educational affairs, enhancing the quality of education and conducting training courses and evaluating them.

### Main Responsibilities:

- Preparing and offering different academic regulations in cooperation with the relevant authorities, offering principles for educational programs and monitoring their implementation after being approved.
- Evaluating students' progress and educational performances.
- Examining and deciding on academic affairs and planning curriculum and exams.
- Monitoring the implementation of educational and academic affairs through the office of Monitoring and Evaluation.

## Vice Chancellor for Research and Technology

Vice Chancellery for Research and Technology provides for intensive and extensive research, health information and technology through three management units of research development and evaluation, health information development, and medical information and resources in order to promote scientific productivity and generate wealth and knowledge. It supervises and supports research activities of academic members and also manages the research and studies in its research centers. It is responsible for providing opportunities for research, supplying scientific resources, publishing scientific productions and expanding scientific ties with other academic institutions. Macro Policies making in research and technology based on the existing documents.

### Main Responsibilities:

- Establishing and developing research centres.
- Approving of research projects and monitoring their implementations.

- Empowering faculty members and researchers.
- Sending faculty members on sabbatical periods and to congresses abroad.
- Authoring books and establishing, developing, and enriching the university's scientific and academic journals.
- Encouraging researchers and technologists.
- Creating and developing small and medium IT companies.
- Commercializing academic research results.

Interacting with industries and providing career opportunities for experts and creative individuals.

- Providing equipment, expert consultations, and suitable space for technologists and faculty members to organize scientific and technological activities.
- Absorbing necessary technical knowledge and investments.
- Approving IT projects.
- Selecting and providing electronic and printed specialized information resources.
- Training user (faculty members, students and staff) to access information resources more easily.
- Selective Dissemination of Information services (SDI) for faculty members via emails.
- Preparing reports related to the university's scientometrics and scientific productivity in valid databases such as ISI and Scopus.

## **Vice Chancellor for Student Affairs**

**V**ice Chancellor for Student Affairs provides the welfare and needed facilities for the students of Kermanshah University of Medical Sciences. It is also responsible for giving cultural, sports, and counseling services to students. The ultimate goal of the Vice Chancellor for Student Affairs is to pave the way for the students to perfectly progress in their educational, cultural, and social lives.

In addition, The Office of Student Counseling, Student Disciplinary Committee, Public Relations, IT, and Financial Affairs help the Vice Chancellor for Student Affairs to fulfill the tasks and reach the defined objectives.

### **Main Responsibilities:**

- Careful supervision on the implementation of the activities of subordinate offices.
- Implementing of the policies set by the Student Affairs.
- Observing the articles of the Student Disciplinary Committee.
- Providing utilities and motivating students to participate actively in utilizing the facilities.
- Harmonizing welfare programs and student services to make them more useful.
- Attending in seminars and conferences related to the Student Affairs.
- Giving corrective feedback to improve the quality of the coming programs.
- Providing and monitoring the students' food according to the existing statistics.
- Devising a plan for monitoring and controlling the quality and quantity of the food served to the students.
- Efforts to improve students' accommodation.
- Providing facilities for the students living in dormitories.

## **Vice Chancellor for Public Health**

**V**ice Chancellor for Public Health provides healthcare and medical services for all people living in different parts of Kermanshah Province: including rural and urban areas. It also makes an effort to provide the health care services for the community as a whole. The main objective of the Vice Chancellor of public Health is to provide, maintain, and promote the health status in the society. The whole community benefits from qualitative, safe, effective and efficient health care services and evidence-based health management.

### **Main Responsibilities:**

- Providing and sustaining finance for health care and services.
- Minimizing out-of-pocket medical expenditure for people.
- Promoting accountability and increasing the satisfaction level of services for caregivers and providers.
- Improving the quality of planning, coordinating and monitoring the health care services.

- Improving the ability of directors, managers and employees with the optimum use of resources.
- Developing a comprehensive system of data management, information and communication.
- Increasing the capacity and creating a framework for conducting applied research.

## Vice Chancellor for Food and Drug Administration

Vice Chancellor for Food and Drug Administration has a major role in protecting and promoting public health by assuring the safety and quality of food, beverages, cosmetics and hygienic products, drugs, medical devices, herbal medicines and dietary supplements.

### Main Responsibilities:

- Announcing and supervising the rules and regulations for companies which launch, distribute and preserve food, pharmaceutical and cosmetic products.
- Regulating and examining documents for launching, distributing and preserving food, pharmaceutical and cosmetic companies and related units in headquarters to address these issues in legal commissions.
- Monitoring the process of packaging, labelling and advertising food, beverages, and cosmetic products.
- Evaluating processes of preserving, supplying and selling pharmaceutical, food, beverages and cosmetic products.
- Collecting, preserving, and examining the information, statistics and documents regarding pharmaceutical, food, beverages and cosmetic products.
- Monitoring producers' implementation of the rules and regulations about supplementary additives and colors, and a constant control of products qualitatively and quantitatively.
- Monitoring laboratories' implementation of the rules and regulations about controlling pharmaceutical, food and cosmetic products.
- Monitoring manufactures' procedures for producing and distributing pharmaceutical, food, beverages and cosmetic products.
- Monitoring pharmaceutical affairs.

- Monitoring and assessing the activities of food and pharmaceutical laboratories.
- Monitoring drug inventory based on the requirements of treatment units.
- Monitoring requests for drug inventory and technical supervision of non-expired drugs.
- Monitoring the preservation of certain drugs and narcotics.
- Monitoring data collection regarding the annual consumption of different drugs for examining local and general disorders to report to research groups to investigate the onset of disorders etiologically and to take required preventive measures.

## Vice Chancellor for Resource Management Affairs

Vice Chancellor for Resource Management Affairs (Logistics) employs the most efficient administrative sciences and management procedures, and it is responsible for the provision and development of human, physical and financial resources of the university. It also creates an environment of flexibility, efficiency, innovation, creativity, responsibility and commitment to support educational, research, health and treatment units in line with the goals of the university.

### Main Responsibilities:

- Managing and supervising the performance of all administrative, financial and developmental affairs in accordance with the related rules and regulations.
- Handling executive objectives and monitoring the workflows and procedures applied in different units in order to harmonize the activities of different units and achieve the executive objectives.
- Monitoring the use of funds based on the detailed budget approved by the Board of Trustees and other financial rules and regulations, and reporting to the Board of Trustees.
- Assessing the current status of the institution through identification of problems, strengths, opportunities and threats in order to evaluate the proposed strategies for progressing.
- Providing the needed justification reports regarding the duties of subunits to the head of the university.
- Collecting the necessary information based on the master plan of the university and planning and proposing annual budget, and performing all the necessary activities to implement the



developmental projects (including contracts, etc).

- Performing basic repairs for resorting and maintaining existing buildings and facilities.
- Establishing a committee for developing executive methods to optimize the system of administrative cooperation among the units with the cooperation of other vice chancellors of the university.
- Establishing revenue recognition process and proper control of the financial cycle in order to prepare the financial management report for the creation of financial discipline in various parts of the university.
- Developing appropriate executive methods for maintaining the buildings and equipment in order to preserve the national assets.

## Vice Chancellor for Clinical Affairs

Vice Chancellor for Clinical Affairs (Hospitals & Clinics) is responsible for improving the quality of healthcare services and to reduce the burden of diseases, injuries, and accidents in the community under the coverage of the university in Kermanshah. It is responsible for planning, monitoring, and supervising health-related activities in secondary and tertiary health services for public and private sectors.

The office works to ensure that healthcare services are safe, accessible, equitable, affordable and patient-centered, evidence-based and of high quality according to the standards of health care set by the Ministry of Health.

### Main Responsibilities:

- Accrediting and supervising clinical services offered by hospitals and outpatients centers in the province.
- Accrediting clinical services offered by medical professional offices through assessment and granting license.
- Providing pre-hospital Emergency Medical Services [(EMS), (Call: 115)].
- Carrying out the principles of emergency and disaster preparedness and management via Emergency Operations Center (EOC).

- Need assessment for resource allocation and participating in clinical services.
- Providing education and advisory services for quality improvement in clinical settings.
- Coordinating with other stakeholders to promote healthcare services.
- Coordinating and supervising applied clinical research.
- Conducting and implementing the Ministry of Health policies in the province.

## Vice Chancellor for Social Affairs

Vice Chancellor for Social Affairs has envisioned the highest health care services coverage by means of social possibilities such as national and public institutions. It is organized in a way that it can enhance the public health by empowering and utilizing the potential capabilities properly.

National health management system in the university of medical sciences consists of public and private health care centers which account for 15 to 25 percent of the health management system. The Vice Chancellor for Social Affairs is aimed at structuring the activities in implementing the potential capabilities in order to empower the current systems and to render new efficient health-driven systems, so that it can provide measures for enhancing the public health through enabling the society to utilize effective procedures within and across units.

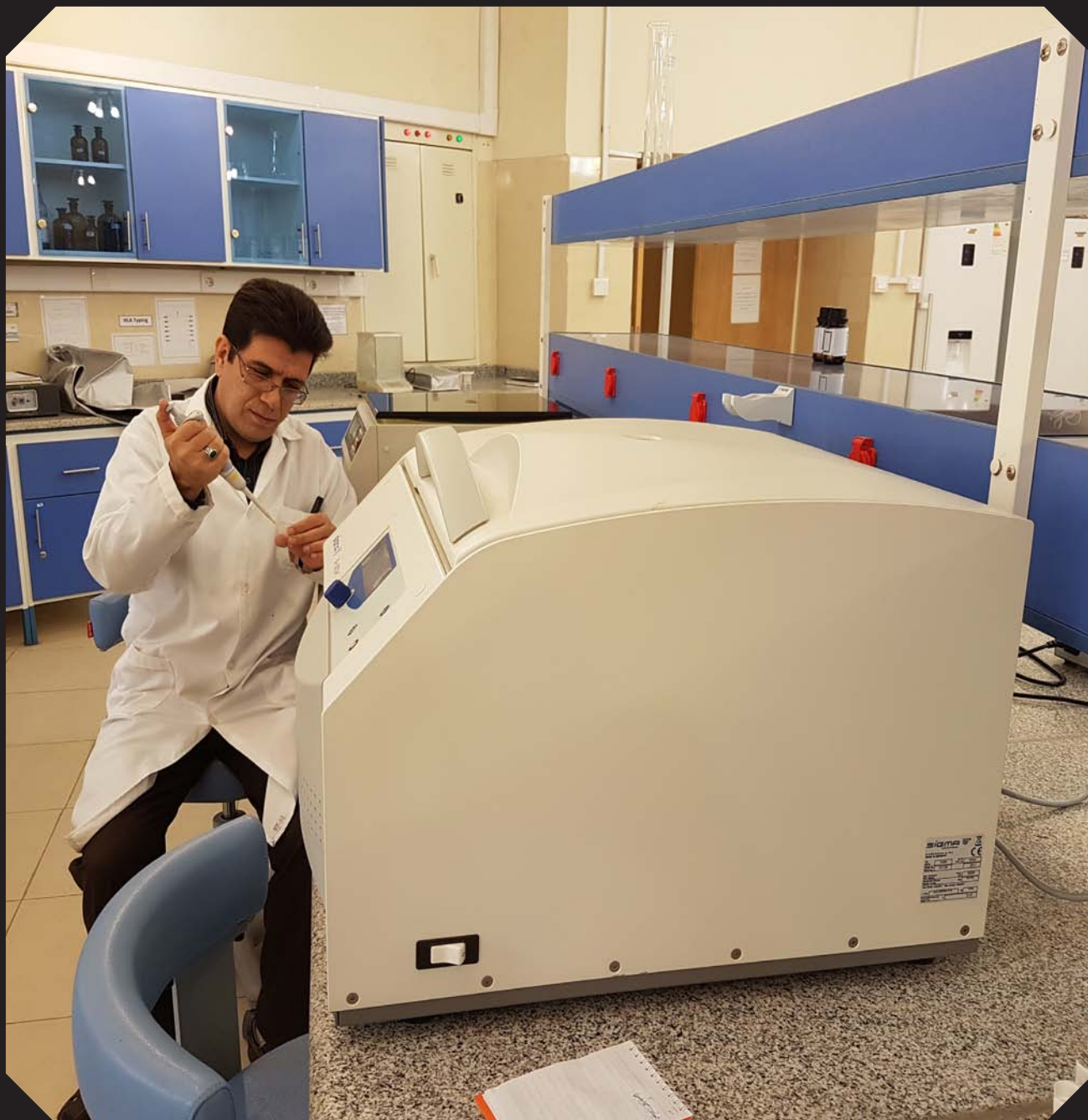
### Main Responsibilities:

- The secretariat of Health and Food Security council.
- Controlling and preventing social harms.
- Enhancing public health participation (NGOs and donors).
- Promoting positive health culture/education.
- Managing of infrastructural health participation with other organization including parliament, government, authority, etc.
- Inspecting social factors affecting the public health.



## **Faculties in KUMS**

- **Faculties of Medicine**
- **Faculties of Dentistry**
- **Faculties of Pharmacy**
- **Faculties of Public Health**
- **Faculties of Nursing and Midwifery**
- **Faculties of Allied Medical Sciences**





## Faculty of Medicine

**F**aculty of Medicine was founded in 1976. Currently, 1032 medical students are studying at this faculty, and over 2661 medical students have graduated so far. The first specialist residency recruitment was started by admitting residents of Anesthesiology in 1991. Nowadays, KUMS is pledged to admit a total number of 114 medical specialties in all medical specialty fields per year. The university is well known for its ability to develop clinical skills in medical students through one of the nation's most robust standardized patient programs and partnerships with leading hospital systems.

## Educational Status:

Currently, there are eleven basic sciences departments at the faculty of medicine, seven departments in master programs, and two departments in PhD programs, and twenty two clinical departments. A total number of 233 faculty members work in the faculty, [Table 2](#).

The Faculty of Medicine has a mission to educate science-based, skilled, and compassionate clinicians prepared to meet the challenges of practicing medicine in 21st century and conduct cutting-edge biomedical research that enhances people's life and advances the fundamental understanding of medical sciences.

Faculty members	Number
Basic sciences	50
Clinical	183
Board of Specialists	9
Professor	11
Associate professor	63
Assistant professor	153
Mentor	6
Total	233

## Major capabilities:

Major capabilities of faculty can be classified as follow:

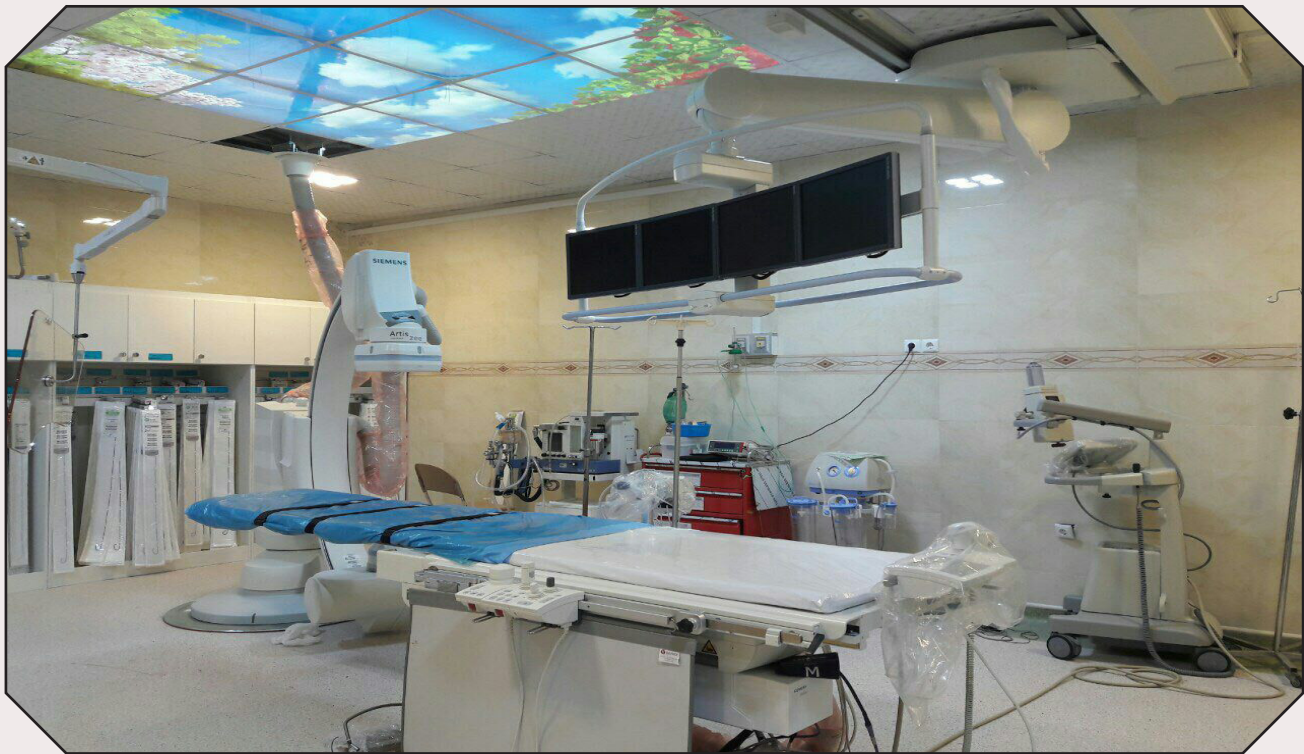
### 1. Basic Sciences Departments:

- Cell culture laboratory.
- Administration of comprehensive basic sciences and internship exams.
- Center of PhD exam administration in the west of the country.

- Language laboratories.
- Genetic laboratory of the west of Iran on diagnosis of prenatal diseases (PND) referred from the four neighboring provinces in the west of the country.
- Three standard and highly equipped anatomy halls.

## 2. Clinical Departments:

- The largest university hospital in west of Iran (Imam Reza (AS) Hospital).
- Community-oriented medicine pole and administrator of one-month ambulatory care education, medical internship program.
- Active pediatric urology and endourology wards.
- Sub-specialized equipment like laser, laparoscope, adults and children endourology, Nacturnal Penile Tumescence (NPT) and Shock Wave Lithotripsy (SWL).





- Advanced laparoscopic and endoscopic surgeries such as repair of incisional/inguinal hernia, achalasia, VATS and sympathectomy.
- Advanced endovascular, cancer, and arthroscopic knee surgeries.
- Using online PMP education in clinical departments.
- Administrating residency promotion exams since 2006 and issuing specialized certificates since 2013.
- Creating the registry of various diseases such as IBD, MS, MI, etc.
- Clinical skills centers, presenting all relevant workshops for all students and residents.
- Administrating clinical skills exams at the end of GP program.

### **Treatment Advantages:**

- Center of bone marrow transplant in the west.
- Performing different diagnostic and therapeutic interventions of radiology and peripheral angiography.
- MDR-TB services.
- Healthcare center for HIV-positive patients with diagnostic facilities.
- Separate Emergency Departments at Imam Reza (AS) Hospital based on the specialized courses.
- Taking action to launch the heart transplantation center for the first time in the west of Iran.
- Active center of IVF.
- Regional genetic reference laboratory.
- Seven specialized clinics of university (Mahdieh, Madar, Helal Ahmar and Taleghani, Imam Ali, Imam Khomeini, Farabi and Dr. Mohammad Kerrmanshahi) in different parts of the city.
- Specialized rehabilitation and cardiac rehabilitation centers.
- Cardiovascular and urinary tract interventions.
- Launching primary PCI.
- Neuroradiology and cardiac interventions.
- Training specialists from Kurdistan, Iraq in various fields.

## Electronic Services:

- Mechanization of the education system of the faculty (online enrollment, etc).
- Mechanization of the management of examinations (residency promotion comprehensive, basic sciences and pre-internship exams, etc).
- Mechanization of the faculty administrative communication system (administrative automation, etc).
- Electronic library.
- Virtual central laboratory.

## Departments:

There are different departments in clinical and basic sciences in the Faculty of Medicine, which are presented in [Table 3](#).

<b>Clinical sciences</b>	<b>Basic sciences</b>
Pathology	
Psychiatry	
Anesthesiology	
Neurosurgery	
Neurology	Health and social medicine
Dermatology	Anatomy
Pediatrics	Parasitology and Mycology
Infectious diseases	Immunology
General surgery	Bacteriology and Virology
Urology	Biochemistry
Orthopedics	Medical physics
Ophthalmology	Physiology-Pharmacology
Internal medicine	Islamic education
Radiology	English Department
E.N.T (Ear, Nose, Throat)	
Obstetrics and Gynecology	
Cardiology	



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## Faculty of Dentistry

**F**aculty of Dentistry as a professional educational institution offers a full range of academic courses, including comprehensive undergraduate and postgraduate programs in collaboration with highly experienced faculty members along with proper facilities and the most advanced methods.

**Background:**

Established in 2008, the faculty started admitting students in general dentistry in 2009. Also, students in oral health have been admitted since 2015. In terms of infrastructure, the newly-established Faculty of Dentistry in KUMS's campus, with an area of 11500 square meters, is the largest faculty in western Iran which will be opened at the end of 2018.

### Educational status:

The faculty of dentistry has forty six academic staff, working in three departments in which they have trained 414 students in the faculty Table 4 summarizes the academic staff of faculty based on their specialty.

<b>Specialty</b>	<b>Number</b>
Endodontics	4
Orthodontics	5
Oral and maxillofacial medicine	4
Periodontics	7
Dental prostheses	4
Restorative dentistry	4
Oral and maxillofacial surgery	4
Oral and maxillofacial radiology	4
Pediatric dentistry	5
Total	42

## Major Capabilities:

- From 2011 to 2015, 81 students have graduated from the faculty, which is the highest record in the west.
- In most of the above mentioned specialty, a minimum of two students in this faculty have been ranked among the first top 10 students in the entrance exam.
- They achieved the first rank in basic sciences exams in all those exams administered in the west of Iran.

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## Faculty of Pharmacy

**F**aculty of Pharmacy was established in 2001 and it began to admit pharmacy students in 2003. The faculty has arranged course of six years to offer a PharmD. There are seven distinct departments including Pharmacology and Toxicology, Pharmaceutics, Pharmacognosy and Pharmaceutical Biotechnology, Traditional Pharmacy, Biopharmaceuticals and Nanomedicine. Each department has an important role in the faculties' educational and research programs. All of the departments are equipped with specialized laboratories and instrumental facilities. There are twenty two faculty members including twelve assistant professors, eight associate professors and two professors. Moreover, the Faculty of Pharmacy has two educational pharmacies where students



learn practical aspects of the profession. Students also participate in some clinical programs of the university's educational hospitals to get familiar with some pharmacotherapeutic management that is necessary for a pharmacist. The faculty also collaborates with other educational and research centers within the university such as teaching hospitals and research centers as well as pharmaceutical companies and community pharmacies outside the university. The faculty has a potential to cover a wide range of pharmaceutical related research experiments, such as drug discovery, drug design and synthesis, in vitro and in vivo pharmacology and toxicology tests. It also designs different drug delivery formulations, pharmacokinetic studies and performs clinical trials on drugs. It is equipped with 8 specialized laboratories, one herbarium, and a special warehouse for the storage of chemical solvents.

### **Major Capabilities:**

This faculty has a research center for pharmaceutical sciences and two educational pharmacies. The educational pharmacies are the most important centers for supplying special drugs in the west. In addition to providing provincial services, they provide services to people from neighboring Provinces, including Hamadan, Kurdistan, Ilam, and Lorestan. The faculty of pharmacy enjoys a high level of educational and internship services for students thanks to these two pharmacies.

### **Equipment and Facilities:**

- Tissue engineering laboratory, the first research laboratory of pharmaceutic department in all pharmacy faculties equipped with cell culture and measurement of physical and mechanical properties of tissues.
- The first microfluidic laboratory among the pharmacy faculties in Iran, equipped with photolithography and eyeliner and capable of producing polymer and metal microchips.
- Laboratory of solids and semi-solids and industrial pill production machine
- Faculty provides access to state-of-the art technology, equipment and expertise to the researchers.

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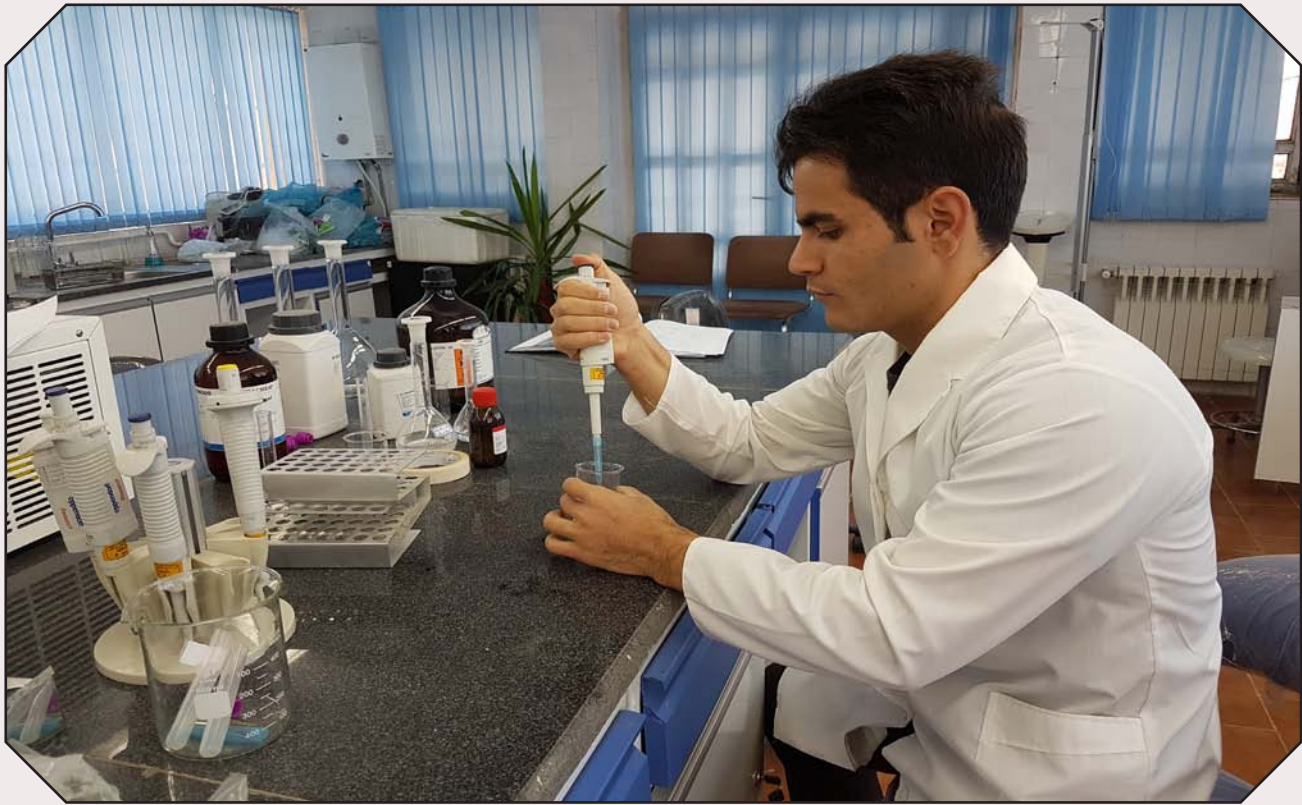
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## Faculty of Public Health

**F**aculty of Public Health was founded in 1997. It started to work independently in 2007, with four departments including family health and health services in associate program and environment health and occupational health in associate and discontinuous bachelor programs. It currently has 768 students and 34 faculty members (Table 5), and offers education opportunities via the departments of environmental health engineering, public health, occupational health engineering, statistics and epidemiology, nutritional sciences and food industries. It is also equipped with different laboratories listed below:

- Chemistry
- Microbiology
- Environmental health research
- Occupational health
- Chemical pesticides
- Nutrition
- Leftovers
- Hydraulic
- Designing workshop
- Practice unit

**Table 5. Academic staff of the Faculty of Public Health according to their title**

Academic titles	Number of faculty members
Professor	3
Associate professor	6
Assistant professor	21
Mentor	4
Total	34

Below is the list of all undergraduate and postgraduate courses and majors which are offered by the faculty of Public Health.

**Table 6. Academic staff of the Faculty of Public Health according to their title**

No	Program	Level	Establishment year
1	Occupational health	B.Sc.	1997
2	Environmental health	B.Sc.	1997
3	Public health	B.Sc.	2009
4	Nutritional sciences and food industries	B.Sc.	2012
5	Environmental health	M.Sc.	2008
6	Biostatistics	M.Sc.	2011
7	Nutrition	M.Sc.	2014
8	Health education	M.Sc.	2015
9	Food industries and sciences	M.Sc.	2015
10	Epidemiology	M.Sc.	2015

### **Major Capabilities:**

- Integrating laboratories into a research and reference laboratory.
- Reconstructing, promoting and optimizing the Wastewater Treatment Plant of the faculty of health and Farabi hospital to reuse irrigation and restoration of green space.
- Establishing the first open access library at the faculty of health.
- Establishing the research center for environmental determinants of health.
- Launching IJHLS at the faculty of health.
- Establishing Media Lab Special Internet Site for postgraduate students.

### **Other Capabilities and Accomplishments:**

- Fellowship training center for empowering health managers with the cooperation of the faculty of health (fellowship training center in west).
- Healthcare surveillance center for death of 1-59-month children with the cooperation of the faculties of medicine and the department of pediatrics (Kurdistan, Hamadan, Ilam and Lorestan Provinces).
- KUMS was selected as the head of the region four of neonates (Kermanshah, Kurdistan, Ilam and Hamadan Provinces) in prenatal healthcare programs with the cooperation of the faculty of medicine, departments of pediatrics and gynecology.
- KUMS as the head of Kurdistan, Ilam, Ahvaz, Dezfool, Abadan and Lorestan universities in the elderly programs in collaboration with the faculty of medicine and public health, and departments of Internal Medicine and Epidemiology.
- KUMS and Razi University were selected as a regional center of Training of Trainer (TOT) program for students.

### **Achievements and top rankings:**

- The 1st rank in the implementation of healthcare monitoring system of the death of 1-69-month children in the region (Ilam, Kurdistan, Lorestan, Hamadan, Kermanshah Provinces).
- Top university in the prevention and registration management of water- and food-borne diseases.
- The 3rd rank in the inspection coverage of facilities on the road and destruction of spoiled food.
- Top rank in health inspection coverage of healthy nutrition base of faculties.

- Earning appreciation from the healthcare center of environment and work for quantification of the burden of diseases associated with air pollution.
- Reference laboratory in the west.
- Electronic health files in the form of an agreement with Barakat Tel in all cities (since 2013 for three years).
- Electronic health file project and healthcare services call center (Paveh project).
- Constructed, equipped and administered the regional reference inpatient department of drug-resistance tuberculosis in west.
- Launching tuberculosis antibiogram department in the west in 2012 with the cooperation of the microbiology department.
- Taking the license of conducting tuberculosis antibiogram tests from Sweden transnational laboratory, professor Hafner for regional reference laboratory of tuberculosis in collaboration with microbiology department in 2014.
- Launching influenza subnational laboratory in collaboration with the microbiology department in 2011.
- Launching the department of GeneXpert tuberculosis diagnosis in cooperation with microbiology department.
- Launching HIV molecular diagnosis center in collaboration with microbiology, pathology and infectious departments.
- Launching STI molecular diagnosis department for suspicious cases of sexually transmitted diseases in the province and universities under coverage in cooperation with microbiology and infectious departments in the current year.
- Launching the department of tuberculosis molecular diagnosis (PCR) at regional reference laboratory of tuberculosis in cooperation with microbiology department in the current year.
- Settlement of health village project in Kermanshah province, administered simultaneously in fourteen cities.
- Launching hospital clinics of counseling and smoking cessation at teaching hospitals.
- The deputy of health in KUMS was selected as region 6 in the national program of harmonization of training and health promotion courses (HODA).
- Administration of joint research projects with the United Nations Children's Fund (UNICEF) on children's growth and nutrition in 2011.
- Administration of safe society plan according to the WHO standards since 2005 in Songhor.
- Operating and equipping negative pressure respiratory isolation room at Imam Reza (AS)

hospital, Kermanshah and Shohada hospital, Sarpol-e-Zahab for intensive healthcare control of communicable diseases, with an excellent rating (according to the evaluation and monitoring of the WHO expert team in July 2014. Negative pressure respiratory isolation room was approved with an excellent rating.

- Administrating the prevention of mother-to-child transmission (PMTCT) of HIV program in thirteen centers in Kermanshah province in cooperation with the department of infectious diseases since 2013.

### **Goals:**

The faculty intends to offer its services in regional and national levels in cooperation with competent and experienced professors in the fields of research and education and enhance qualitative and quantitative development of educational department, specialized laboratories, research centers, and development of new methods in two dimensions of research and education. Likewise, it aims to train competent students in order to provide forces in health areas, and to take effective steps in achieving fundamental solutions to solve the problems of the province. In next five years, the faculty is going to represent itself as the most prestigious research and educational center in west and to stand out among research and educational centers inside and outside the country.

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## Faculty of Nursing and Midwifery

**F**aculty of Nursing and Midwifery is one of the oldest faculties in Iran that started its activity in 1965 as the Academy of Nursing. This faculty has been known as the faculty of Nursing, Midwifery, and Para medicine since 1985. In 2007, paramedical departments started to work independently under the name of the Faculty of Allied Medical Sciences. Now, Nursing and Midwifery Faculty trains undergraduate and postgraduate students in the fields of nursing and midwifery and offers bachelor and master degrees. It currently has thirty one faculty members, one associate professors, seven



assistant professors and twenty three mentors, working in three departments (Table 7) to educate 744 students..

Faculty is committed to providing an exceptional nursing education and conducting innovative research which help build a scientific foundation for clinical practices, advance preventive care, manage symptoms of illness, enhance end-of-life and palliative care, and influence the development of health care policy at all levels. It is particularly concerned with reducing health disparities and improving health outcomes among the population.

Students in the faculty of Nursing and Midwifery are passionate to make a positive difference in people's lives. They choose KUMS because they want to access outstanding research centers and clinical training, the latest high-tech simulation equipment, and a curriculum that prepares them for leadership in their profession.

No	Departments	Number of faculty members
1	Nursing	16
2	Midwifery	12
3	Psychiatric Nursing	3

Annually, more than 500 students are accepted at the faculty in the following Programs and levels (Table 8).

No	Program	Level	Establishment year
1	Nursing	B.Sc.	1965
2	Midwifery	B.Sc.	1986
3	Intensive Care Nursing	M.Sc.	2008
4	Psychiatric Nursing	M.Sc.	2014
5	Internal Surgery Nursing	M.Sc.	2015
6	Counseling Midwifery	M.Sc.	2013

### **Major capabilities:**

- Skill lab (center of clinical skills), with an area of 150 square meters for nursing and midwifery departments separately.
- The faculty's library in an area of 500 square meters, containing 51031 Persian books, 3896 Latin books, and 700 educational CDs
- Holding two educational programs for the interns coming from Sulaimani, Kurdistan Region, Iraq.

### **Physical Environment and Facilities:**

Nursing-Midwifery Faculty is located in an area of 50000 square meters with substructure of 12000 square meters, green space of 8000 square meters, and logistic environment of 8000 square meters.

### **Facilities:**

- Microbiology and Parasitology Laboratory to offer practical courses in bacteriology and Parasitology for different Programs in the Faculty.
- Immunology and Hematology Laboratory to offer hematology, immunology, physiology, biochemistry and midwifery's applied tests, and applied physics courses.
- Chemistry and Biochemistry Research Laboratory is equipped to facilitate laboratory study affairs, Chemistry and Biochemistry courses.
- Centers of fertility research and life quality promotion.
- Clinical skills Center is equipped with three separated rooms for nursing skills, emergencies and anesthesia, and gynecology in an approximate area of 420 meters.

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## Faculty of Allied Medical Sciences

**F**aculty of Allied Medical Sciences was founded in 1963, entitled the faculty of laboratory sciences. It admits students to associate, bachelor and master programs. It was merged with the faculty of nursing and midwifery in 1970 and started to work independently as the Faculty of Allied Medical Sciences in 2007. Now, it is located in the shared area of 55000 square meters with Faculty of Nursing and Midwifery.

The faculty has twenty six academic staff who work in six departments including; operating room, radiology and nuclear medicine, laboratory sciences, health information technology, medical emergencies and anesthesiology (Table 9); and 946 students are studying in various levels and Programs (Table 10).

Academic title	Number
Associate professor	1
Assistant professor	8
Mentor	17
Total	26

No	Program	Level	Establishment year
1	Laboratory sciences	B.Sc.	1985
2	Radiology	B.Sc.	1992
3	Operation room	B.Sc.	1986
4	Anesthesiology	B.Sc.	1995
5	Health information technology (IT)	B.Sc.	2014
6	Nuclear medicine	B.Sc.	2010
7	Medical emergencies	B.Sc.	2011
8	Medical emergencies	A.Sc.	2006

The faculty offers a full range of academic courses in undergraduate and postgraduate levels. It should be noted that the program of operation room at master level has been visited and positively endorsed by the board members, and it will start to function soon. The Faculty of Allied Medical Sciences is also known as one of the best in research and development. It has six laboratories including biochemistry, microbiology, hematology, physics, dosimetry, and repair and maintenance. It also publishes scientific research journals, develops postgraduate courses, has clinical and information skills centers, and has a scientific cooperation with many other research centers in country.

## Major capabilities:

- The only undergraduate nuclear medicine program within country.
- The only undergraduate program in health IT in west of Iran.
- Center of health-related civil defense in west.
- Journal of Clinical Research in Paramedical Sciences.
- Membership of two faculty members in the board of development council of university in the Ministry of Health (operation room and medical emergencies).

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# The University Campus

**K**UMS was first established as the Faculty of Medicine in 1986. It was expanded and moved to the central campus in the most northern part of Kermanshah next to Imam Reza (AS) Teaching and Treatment Hospital. Today, the complex of Faculties of Medicine and Pharmacy is located at the Central Campus. Other faculties such as the Faculty of Dentistry, Public Health, Allied Medical Sciences, and Nursing and Midwifery have been moved to different places in the city. The dormitory and the gym are located near the central complex.

## Accommodation Options

**T**here are many opportunities to live close to University with a wide range of accommodation options within walking distance or a short bus ride. The accommodation options are fully or partly-furnished with quality furniture and fitting.

### 1. Housing and Residence Life

Living on campus has proven to foster students' engagement and to improve overall student success. KUMS on-campus housing provides a clean, comfortable, safe, and conducive environment to support the academic mission of the university with a focus on fostering a strong sense of student community. More specifically, living in the residence halls enhances and completes the learning that occurs at the university.

A variety of housing and accommodation options allow students the opportunity to create the environment in which they feel comfortable. University offers independent living in a supervised environment. Amenities include wired and wireless internet connections in each residence hall, a choice of double or private rooms, health, wellness and substance-free living, the first year experience and many other themed housing options. The residence hall is particularly useful to first year undergraduate students and new arrivals to Kermanshah.

It is notable to mention that the University provides students with subsidized three main meals.

### 2. Housing:

KUMS undertakes the responsibility of providing the students with proper accommodation

through the Office of Vice-Chancellor for Culture and Student Affairs. Most student dormitories are located at the university dormitory, which is a residential complex to accommodate the students of different fields and levels of study. There are recreational and welfare facilities such as reading chambers, libraries, a mosque, an auditorium, a gym, a movie hall, etc. Student dormitories occupy an area of 41000 square meters. Currently, 11 dormitories for boys, 6 dormitories for girls, and one dormitory for married couples house all applicants who represent 50% of the student population. Two of the dormitories accommodate single top students and residents. In general, the dormitories can accommodate 1450 female students and 1860males. In addition, the married couples' dormitory houses 130 families.

## **Physical and Mental Health**

**T**he Student Health Care Center provides the students with a healthy environment which is quite essential for proper education. It uses services of experienced university instructors at general, specialized, dental, and vaccination clinics. In case of any need for more medical care and treatment, students will be sent to the affiliated hospitals. Upon admission to the university, a medical record file indicating health status and problems is made for every student. Using the same files and health cards, students can refer to the university's associated Health Care Centers. Emergency Clinic at the dormitories provides the students residing at dormitories with emergency medical care.

Licensed psychologists and social workers provide various services at The Student Counseling Center. Other areas of assistance include emotional attitude, behavioral problems, social skills, proper decision making, marriage counseling, family problems, financial issues, workshops, and training courses on learning skills, concentration, memory, study skills, educational problems, and correspondence counseling with students' families, and giving educational and psychological speeches.

## **Physical Education**

**M**easures are taken by the Physical Education Department of the Office of Vice-Chancellor for Culture and Student Affairs to improve the quality of physical health of the staff, students, and their families.

Some of the university's sport facilities are as follows:

- Water Sports Complex: swimming pool, sauna, Jacuzzi, and fitness center,
- Sports-Cultural Complex: an arena for indoor games such as volleyball, basketball, futsal, badminton, martial arts, table tennis, body building, an artificial wall for rock climbing, and Imam Khomeini Culture Home with audio-visual equipment
- Farabi Soccer Field
- Sports Complex including tennis courts
- Gyms at the student dormitories

Among other activities of physical education are organizing the students' tournaments at the university and national levels, running training courses, and helping the concerned department with the students' physical education credits. Winning many competitions by the university's athletes at the national level indicates how active the authorities, staff and students have been.

The Research and Education Center for Sports Medicine was established to do research on various aspects of sports medicine with the collaboration of the students and faculty of medicine. Currently, the curriculum for an MSc program in medical sports is being prepared with the help of the Department of Orthopedics at the Faculty of Medicine to be offered to qualified general practitioners.

## Financial Aid

Most students might need a kind of financial assistance. The Student Welfare-Fund provides the followings: student loans, housing deposit loans, emergency loans, student jobs, education grants and grants for books and supplies.

## Cultural Activities

The Directorate for Cultural Affairs and Extra-Curricular Activities aims to discover and help foster hidden talents of the students in order to develop their culture and thoughts. These extra-curricular activities aim at helping the students to be self-directed, efficient, and responsible citizens in the society.

## **Hospitals in KUMS**

- **Imam Reza (AS) Hospital**
- **Motazedi Hospital**
- **Taleghani Hospital**
- **Imam Khomeini Hospital**
- **Farabi Hospital**
- **Dr Mohammad Kermanshahi Hospital**
- **Imam Ali (AS) Hospital**





# Imam Reza (AS) Hospital

**I**mam Reza (AS) Hospital, a public teaching and treatment center, is the largest, the most modern and equipped center for education, treatment and research in western and northwestern Iran.

It provides the most recent and scientific methods of education, treatment, research and diagnosis based on clients' needs to promote the health of people in the society.

We serve all ultra-specialized treatment needs so that patients don't have to travel to other cities to be treated. This hospital is also proud of respecting the human values.

## Different parts of the hospital:

- Deputy of Research
- Deputy of Education
- Deputy of Treatment
- Deputy of Development and Planning
- Directorate of Nursing
- Quality Improvement
- EDU

## The hospital units and wards:

- Angiography department
- CCU department
- CT Scan department
- Dialysis department
- ICU department

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# Motazedi Hospital

**F**ounded in 1956, Motazedi Hospital is a medical center for obstetric and gynecologic services. It has 86 usable active beds and the wards of surgery, delivery, post-delivery, emergency, operating room and NICU. Motazedi Hospital, with trust in God and great effort of its staff, tries to improve the quality of services for safe childbirths and patients' satisfaction.

## Mission:

- Participating in the communities of health providers and women in the west of Iran by providing services and following activities to understand and comply with the latest standards of the Ministry of Health and Medical Education.
- Health services, diagnosis and treatment of diseases pertaining to Obstetrics and Gynecology and Infertility.
- Conducting research activities in the field of Obstetrics and Gynecology and Infertility.
- Providing educational opportunities for students of nursing, midwifery, paramedical, medical sciences and residents.

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**Website:** <http://motazedi.kums.ac.ir>







# Taleghani Hospital

**T**aleghani Hospital was designed and constructed by Italian engineers in 1969. The hospital was inaugurated as a public hospital with 200 active beds in 1973, and now with 220 active beds is one of the oldest hospitals in the west of Iran. Its qualified medical staff and experienced personnel provide efficient health care to patients. Injured patients in accidents in the region are admitted to Taleghani Hospital.

One of the most important achievements of the hospital is emergency services and providing health care for veterans and warriors of the eight years of sacred defense as the valuable assets of the country.

## Main units:

- Emergency
- Operating rooms in two levels
- Intensive care units in two levels

## Hospital wards:

- Oncology
- Neurosurgery
- Three orthopedic units
- Two general surgery units
- Clinic

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## Imam Khomeini Hospital

**I**mam Khomeini Hospital has been established to treat diseases and improve the public health. The hospital is capable of providing specialty and subspecialty services in eye, ear and throat (ENT), poisoning, burns, internal and related diseases. Now, it has 181 usable active beds and the wards of ICU, emergency, infectious diseases, operating rooms, ENT, surgery, internal diseases, ophthalmology, dialysis and burns.

It aims at improving the quality of medical services, educating and training physicians and other medical professionals to ensure continuity of comprehensive health care for patients in the future. It also supports findings of research and applied research and development to supply the treatment needed for people.

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# Farabi Hospital

Founded in 1981 as a medical center of neurological services, it has 210 usable active beds and four wards of psychiatry for men and women, emergency, neurology as well as an addiction treatment clinic and also specialized clinic of neurology and psychiatry.

The specialized ophthalmology hospital was founded in 1930. Named Farabi as a Teaching Hospital in 1971, it was once the nation's only ophthalmology hospital and it is still one of the biggest and highly equipped centers for treating eye diseases in the Middle East. It currently includes four psychiatric wards, neurology, two ICUs, and an emergency department.

**Address:** Dowlat Abad Blv., Isar Sq., Farabi Hospita, Kermanshah, Iran.

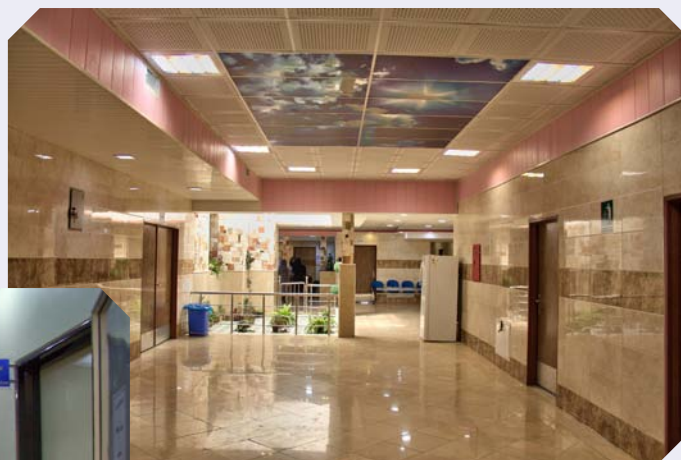
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# Dr Mohammad Kermanshahi Hospital

**F**ounded in 2011, Dr. Mohammad Kermanshahi Hospital, is the only specialized pediatrics center in Kermanshah. It has predicted and provided for all requirements for treating children's diseases. It has 135 beds in different wards such as infection, pediatric surgery, pediatric ICU, neonatal ICU, emergency, dialysis, and operating rooms.

It provides diagnostic and therapeutic services such as CT-scan, flow cytometry, fluoroscopy, echocardiography, EMG, NCV, EEG, and clinical and clinical and paracinal units. It also includes pediatric nephrology, oncology, neurology, cardiology, psychiatry, dentistry, internal and infectious diseases, urology and pediatric surgery and other medical services.

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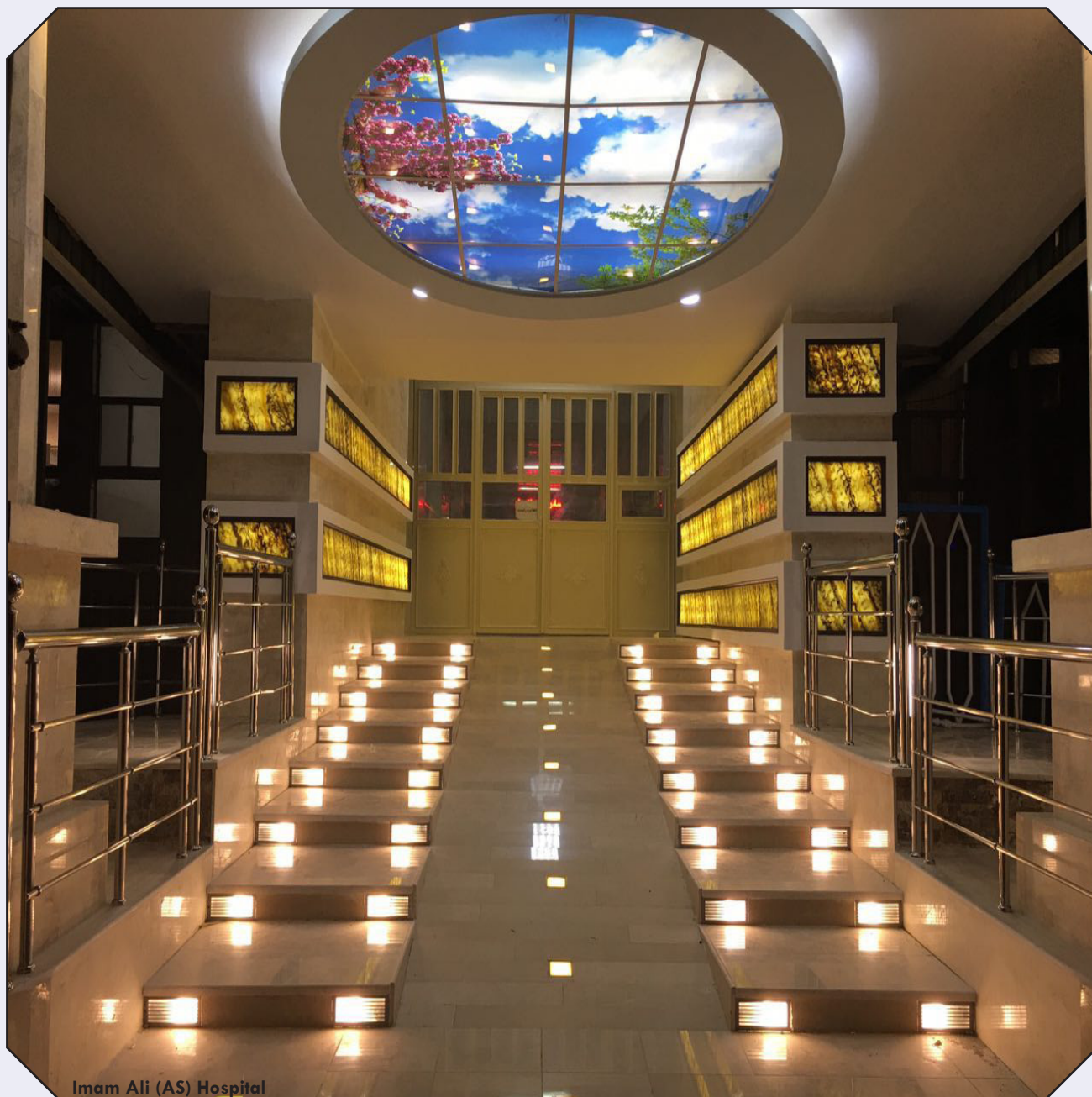
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Imam Ali (AS) Hospital

# Imam Ali (AS) Hospital

## History and Traits of the Center

As the first center of Cardiovascular Surgery and Angiography, it was inaugurated in 1999. It has promoted the quality and quantity of diagnostic and therapeutic services in recent years which made it the largest cardiovascular center in the west of Iran. The provided services not only cover the health care services required for the province but also enable the hospital to admit patients from different provinces like Kordestan, Ilam, Lorestan and even Iraq. Patients are admitted to this hospital to benefit from services such as open heart surgery, angiography and angioplasty, PACE/ EPS, primary PCI, cardiac rehabilitation, echocardiography-stress echo, etc. Imam Ali Hospital is exclusively in possession of 59 CCU beds, and 22 ICU open-heart beds. It has 3 open-heart operating rooms.



This center attempts to inform and educate the public in the processes of prevention, treatment, and rehabilitation and to render appropriate services based on the clients' satisfaction. It also tries to develop interaction with other teaching and treatment centers, public organizations and global scientific center to promote and update the quality of the services provided. It has different wards like ICU, CCU, 24/7 cardiology emergency, internal wards, post cath, etc. It also includes specialized polyclinics such as cardiology( sport test, echocardiography, holter), 24/7 lab/blood bank unit, 24/7 radiology, cardiac rehabilitation, and nutrition.

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Average month	2015	Activity
220	220	Number of beds
911	10928	Inpatients
6788	81460	Outpatient
131	1571	Heart surgery
489	5873	Catheterization
69	824	angioplasty
25.6	307	P.PCI
15	181	EPS
31	368	Pace

## **Research Centers in KUMS**

- **Medical Biology Research Center (MBRC)**
- **Fertility and Infertility Research Center (FIRC)**
- **Drug Abuse Prevention Research Center**
- **Sleep Disorders Research Center (SDRC)**
- **Social Development and Health Promotion Research Center**
- **Liver Diseases Research Center**
- **Nosocomial Infection Research Center**
- **Pharmaceutical Sciences Research Center**
- **Research Center for Oils and Fats**



## Research Centers

**K**UMS manages different research centers in various scientific fields such as medical biology, fertility and infertility, drug abuse, liver diseases, sleep disorders, nosocomial infections, infectious diseases, drug delivery, environmental health, etc. The aims and activities of these research centers are briefly explained below:

- **Medical Biology Research Center:** Its equipped laboratories are used to investigate the extraction and purification of proteins, electrophoresis, immunochemistry, bioelectronics, structural biology, molecular biology, molecular genetics, medical toxicology, pharmacology, cardiac physiology and cell culture.
- **Fertility and Infertility Research Center (FIRC):** It is equipped with several specialized laboratories and participates in numerous theses and research projects especially in the field of reproductive activities.
- **Drug Abuse Prevention Research Center:** It supports all steps of are search process such as writing, approval and implementation of proposals, statistical counseling, preparing and publishing articles.



- **Social Development and Health Promotion Research Center:** It aims at planning activities, developing and applying existing knowledge, encouraging researchers, collecting related articles and proposals, collaborating with other national and international research centers, doing epidemiologic and practical research, training researchers and engaging people to promote the health status of the community.
- **Liver Diseases Research Center:** It tries to expand the knowledge in relation to preventing and treating liver diseases and to enhance teaching and research in various fields of liver diseases and hepatitis.
- **Nosocomial Infection Research Center:** It aims at enhancing the knowledge in relation to the epidemiology, prevention and treatment of nosocomial infections and doing research to promote in-hospital services, encouraging researchers and holding conferences, workshops and seminars.
- **Pharmaceutical Sciences Research Center:** It intends to find and solve problems in different fields of pharmaceutical sciences and to promote the knowledge through scientific research activities. It also interacts with national and international teaching and research centers to help meet the research needs in pharmaceutical sciences and practical research.
- **Research Center for Oils and Fats:** It moves toward maintaining and enhancing the health



of the community and the quality of food and pharmaceutical products. It examines the quality of oils, bacterial infections and antimicrobial agents in compounds, synthesis of liposomal nanoparticles, the antioxidant properties of compounds in edible oils, biotechnology manufacturing process, and tissues in meat products.

- **Sleep Disorders Research Center (SDRC):** SDRC was established in 2007 for both clinical and basic research purposes, in the field of sleep medicine, in order to combat a serious public health concern. The SDRC consists of two main research laboratories, located in Farabi Hospital, Kermanshah University of Medical Sciences. We collaborate actively with well-known sleep centers around the world and have published several papers in the high-quality peer-reviewed journals.



## Educational Centers

Educational centers in Kermanshah are Medical Educational Development Center (EDC), Regular Trainings of Medical Community Center and Clinical Skills Center which are explained in the following sections.

### Medical Education Development Center:

Founded in 1995 in an area of 1500 square meters, it is placed beside Taleghani Hospital, and it has six research and teaching units and twelve committees.

The medical education development (EDC) center is one of the main units of the Vice-Chancellor of education, established in 1998 to plan and organize the major objectives for promoting the quality of education in the university. The active committees of the center proceed in line with education development and strive to identify the weaknesses and set appropriate programs for the development of education, academic promotion, and adaptation of the educational programs to the real requirements of the society.

Major achievements and innovations of Medical Education Development Center include:



- Creating an electronic academic report card for the faculty members.
- Holding a six-month educational and research empowerment program for the faculty members with under 5 years of experience (about 250 hours).
- Taking action to virtualize 50% of the workshops for the faculty members in the current year.
- Students' evaluation of the teacher's lesson plan in the classroom for the first time in the country .
- Implementing the budgeting of teaching hospitals.
- Establishing a committee for coordinating and supervising the Educational Development Offices (EDO).
- Introducing and registering 120 talented students in the Ministry of Health.
- Preparing an electronic report card for the analysis and calculation of the performance-based reward of the clinical faculty members.
- Presenting three top national processes in Shahid Motahari Festival during the past three years.
- Obtaining the first rank in education management in educational ranking of universities (RAD plan) last year.
- Gaining the second place in national ranking in Shahid Motahari Festival for holding medical education exhibition.
- Cooperating with the Ministry of Health and Medical Education in evaluating six rounds of Shahid Motahari Festival.

### **Continuing Medical Education Organization:**

Retraining is defined as all the activities after graduation for the maintenance of the acquired skills and qualitative and quantitative promotion and learning new academic materials and skills, which can result in the qualitative and quantitative promotion of healthcare and treatment services in the society.

The Continuing Medical Education Organization (CME) in Kermanshah was founded in 1998 as one of the units of Medical Education Development Center and cooperated with this center until 2008, after which it started to function independently under the control of the Vice Chancellor of Education, termed as Continuing Medical Education Organization of Kermanshah. This center joined the nationwide network of online education in 2011. Moreover, CME and CE are provided to offer educational activities that address the real world requirements of physicians and nurses/midwives, respectively.

Different educational programs presented in regular training are:

- Conferences
- Workshops
- Regular programs
- Conference and congress
- Seminars
- Short-term professional programs
- Self-learning
- Educational and research activities
- Periodical academic conferences

## Clinical Skill Lab

The Clinical Skills Center of KUMS, founded in 2007, is one of the most successful centers in promoting the practical skills of students. It has a codified educational calendar for all academic levels and Programs and holds over 300 workshops annually (documents of RAD plan). It also enjoys a novel educational design in implementing most of its workshops, which has achieved the top educational ranking. This center initiated administering Objective Structured Clinical Examination (OSCE) as a mixed, three-part, 600-score test, which was pioneered by this center in the west of Iran. Kermanshah University of Medical Sciences has started to fully equip this clinical skills center, which has an area of 600 m<sup>2</sup> and standard space for administrating OSCE. By opening this center, KUMS possesses one of the largest clinical skill centers.





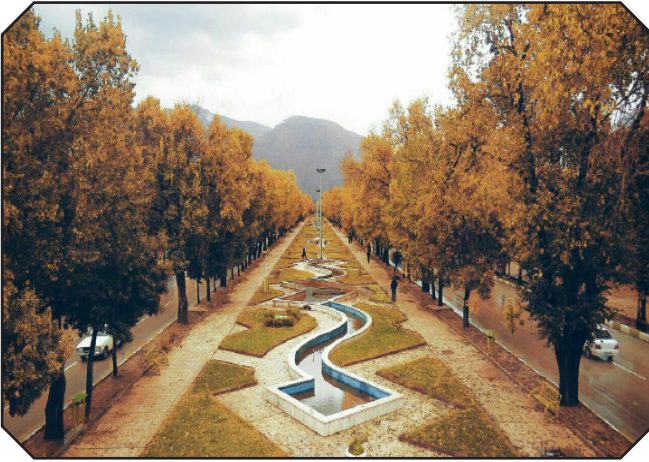




Photo by: Ali Doosti



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