

SEMEY STATE MEDICAL UNIVERSITY



**SEMEY STATE MEDICAL UNIVERSITY,
REPUBLIC OF KAZAKHSTAN**

Year of establishment - 1952

Activity

- ✓ rendering of educational services,
- ✓ services in the field of research-scientific activity;
- ✓ services in the field of continuous education of physicians;
- ✓ medical services for rendering of medical and diagnostic assistance on the basis of own clinical base – Medical center.

MISSION

Training of highly professional, competitive medical personnel of the rising generation who are ready to understand the problems of global health, solve strategic development objectives of the country in terms of formation of special branch of mutual cooperation of lecturers, students and employers; introduction of innovative technologies in all frames of university references; striving to assure competent approach in education and continuing professional education during the life-time; performance of society's need in health protection of East-Kazakhstan Region and population of the Republic of Kazakhstan.

VISION – We aim to be among «600 Top Universities in the World» and «Top 200 Asian Universities» by 2020



General information

There about 4700 students including 250 foreign students from 8 countries. The studying is conducted in Kazakh, Russian and English.

Training of specialist is conducted by the following specialties:

«General medicine»

- *Bachelor's programme:*
5 years +2 years of internship (contingent - 3842)
- *Residency*
Student studies in residency (2,3 years) by 15 specialties when choosing clinical direction (contingent - 243)
- *Master's programme:*
Student studies in Master's programme (2 years) when choosing scientific-pedagogic direction (contingent - 36)
- *Doctorate:*
Student has the opportunity to continue his study in doctorate's programme after finishing residency or Master's programme (3 years, contingent - 45).

«Public health»

- *Bachelor's programme: 5 years*
- *Master's programme: 2 years*
- *Doctorate: 3 years*
- **«Stomatology»**
- *Bachelor's programme: 5 years +1 year of internship*
- **«Medical-preventive care»**
- *Bachelor's programme: 5 years*
- *Master's programme: 2 years*
- **«Nursing care»**
- *Bachelor's programme: 5 years*
- *Master's programme: 2 years*
- **«Pharmacy»**
- *Bachelor's programme: 5 years*



Rector - Professor, corresponding member of NAS RK Rakhypbekov Tolebay Kosiyabekovich. Rakhypbekov T.K. has worked as the rector of the University since 2007.

Center for medical education develops innovative methods of teaching and evaluation, problem- based learning (PBL), team-based learning (TBL), case-based learning (CBL), project-based learning, objectively structured practical examination (OSPE), objectively structured clinical examination (OSCE), simulations, technology of mini-clinical examination, technology of standardized patients, etc.



Different types of integration of disciplines are introduced:

1. Horizontal integration;
2. Integration between basic sciences and allied clinical disciplines;
3. Vertical integration;

Simulation technologies using mannequins and simulators are widely used in educational clinical center of the university (about 350 names).

Teaching staff consists of about 450 teachers.

Public health school, nursing school, management school, and school of young teacher, center for future resident and center for future Master's degree were established on the base of our university. There are about 9 scientific schools.

There is electronic catalogue in the library. There is WEB gateway on the site of the university.

There is computer class with access to Internet and Cochrane library in the library of the university.

Reference, scientific and educational information is kept on electronic and magnetic media in the hall of electronic resources of the library. The number of electronic and digital publications is about 8400 copies. The fund of the library is increased regularly with electronic scientific, educational and methodical materials developed by teachers of the university.



The university has entered to "Republican interuniversity electronic library" <http://lib.kazreina.kz>. The contract of creation of single electronic library with full-text database "SpringerLink" and Web of Knowledge (Thomson Reuters) has been concluded with National center for scientific and technical information.

Information resources of the library:

1. DB «Cochrane library» [WWW.cochrane.org](http://www.cochrane.org).
2. DB Paragraph «Medicine» www.prg.kz
3. DB«SpringerLink» www.SpringerLink.com
4. DB Web of Knowledge www.Thomsonreuters.com (Thomson Reuters)
5. Republican interuniversity electronic library (RIEL)
6. MEDLINE Complete
7. ELIBRARY.RU

There is united educational-scientific laboratory in the university, which includes 6 departments: physiological, morphological, biochemical, hygienic, microbiological and immunological.

Clinical skills training of students is carried out on the basis of educational clinical center and own clinical base (medical center of SSMU with 530 beds). Medical center is a clinic which consists of 16 in-patient departments including 7 children's, 9 adult's, diagnostic polyclinic and functional diagnostics department. In addition, about 60 medical treatment facilities (including in Pavlodar and Ust-Kamenogorsk) are clinical bases of the university.



Center for evidence-based medicine develops. Resource center with access to Cochrane library has been established.

Priority direction for the university is post-nuclear tests study.

The university has 5 grants for 2015-2017 financed by Ministry of Education and Science of the Republic of Kazakhstan for an overall amount of 87 000 000 tenge.

Fundamental research “Unprecedented multi-central experimental investigation of ionizing radiation influence on living organism using nuclear reactor” is conducted in collaboration with partners from Russia and Japan. Also, we have joint experimental research with Pharmacy school of University of Reading “Investigation of eye medicated films which are originally-prepared and bioavailability of fluoresceine”. There is project between Russia, Switzerland and Kazakhstan “Improving local clinical excellence, research methodology and promoting dissemination of specialist Knowledge in Hepato-Pancreato-Biliary and oncologic surgery between Switzerland, Russia and Kazakhstan”.

One of the priority orientation for further development of research-scientific and innovative activity of scientists and teaching staff of the university is publication activity in high-rating scientific editions of the world according to Thomson Reuters and Scopus databases. 12 articles and 19 themes were published in the international editions in 2015.

The project “Advance of the journal Science and Healthcare to the rating world citation bases including Scopus” is realized. The journal “Science and Healthcare” has entered to the Russian Science Citation Index and E-library, Ulrich's Periodicals Directory, international database Global Health and CAB Abstracts.

The main achieves for the last 3 years:

- Institutional national accreditation in Independent agency for accreditation and rating (IAAR), 2014
- Certificates of European Foundation for Quality Management EFQM – February 2012 – “Committed to Excellence”, November 2013 – 4 stars of the level “Recognized for Excellence”
- Quality management system was certificated on ISO 9001:2009 in 2005, 2009 and 2013
- Award of Asian Network for Quality (ANQ), 2012
- Award from association Asian Education leadership wards in nomination «The best healthcare educational institution», Dubai, Turkey, 2012
- 3rd place in National business rating “Leader of Kazakhstan 2013” in 3 categories: “Indicators of assets and obligations”, “Profitability indexes” and “Liquidity indexes”
- Entered to AMEE in 2013
- Entered to Association of Indian Universities in 2015



- Specialized national accreditation of 5 educational programs of Bachelor's programme, 7 of residency, 4 of Master's programme and 2 of doctorate in Independent Kazakh agency for quality assurance in education (IQAA), 2015
- International standard "CEN/TS 16551-1:2013 - System of innovative management" is introduced. Conception of innovative management of SSMU is designed. Register of innovations on direction of activities is established.
- The university took part for the first time in International contest "Qualitative innovation 2014" in Finland in 2014. The project headed by Professor Khaibullin T.N. "Awareness raising of Semey population of risk factors of progression and first clinical symptoms of cerebral stroke" was finalist of the international contest.
- In 2014, 3rd place among medical universities of Kazakhstan according to the European scientific-industrial chamber which published rating of higher education institutions Academic Ranking of World Universities-European Standard ARES-2014.
- Positions in Ratings of the Republic of Kazakhstan in 2015:
 General rating of IAAQ - 3 place,
 Rating of NAAR: Master's programme: Nursing care - 2 place, doctorate: Public health - 2 place
 Bachelor's programme: Nursing care - 2 place, Medical-preventive care - 2 place, Stomatology – 2 place.
 According to the results of 2014, Semey State Medical University took the 2nd place among medical higher education institutions by research-scientific activity.



Orphan and low-lived students receive social assistance through free dinners in the student's refectory and financial assistance from trade union committee.
 There are 23 sport clubs (volleyball, fencing, football, basketball, judo, etc.). SSMU took part in 27 World Summer Student Games in Kazan where sportsmen from SSMU won 2 silver and 2 bronze medals.



One of the most important indicators of success of educational programs of Semey State Medical University is percent of employed graduates - more than 98 % for the last 3 years. Annually, the university conducts questioning of employers to find out the level of their satisfaction with qualification of graduates. Questioning data for 2014 year shows high satisfaction level with qualification of our graduates: at the level of internship – 87,9 %, at the level of Master's programme – 93,3. Highest satisfaction level of employers with qualification of graduates is exactly at the level of residency. The data for 2014 year show 98,3 % of satisfaction. Results of questioning of employers are compared with results of questioning of graduates. It allows us to find out presence or lack of so-called "separation" of higher medical education from requirements of practical healthcare. Therefore, questioning data of residency graduates' employers (93% satisfaction with qualification of graduates) correlate with results of questioning of residents (90% satisfaction with their qualification).

Infrastructure: 5 educational buildings, 5 hostels.

Financial indicators of 2015: budget 5.957.876,0 tenge; income 5.673.910,0 tenge; expenses 5.522.670,0 tenge; profit 151.240, 0 tenge; profitability 3,37%

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