PUBLIC HEALTH: THE PRESENT AND FUTURE
MEDICAL EDUCATION
The History of S.D.Asfendiyarov Kazakh National Medical University

S.D Asfendiyarov Kazakh National Medical University is the oldest medical university in Kazakhstan, which was founded 10 July, 1930, Decision of the CPC of the RSFSR as the first medical school in the Kazakhs Autonomous Soviet Socialist Republic. "

Was appointed director of the Institute S.D.Asfendiyarov, a graduate of the Military Medical Academy of St. Petersburg, whose name is now honored with the University.
ACHIEVEMENTS of S.D Asfendiyarov Kazakh National Medical University

- In April 1981 for contributions to the development of public health care Almaty Medical Institute, was awarded Order of the Red Banner of Labor.
- In January 1989, by the Council of Ministers of the Kazakh SSR to Almaty State Medical Institute was given S.D. Asfendiarov’s name.
- By the decree of the President of the Republic of Kazakhstan Nursultan Nazarbayev from 5th July 2001, "On granting special status to certain public institutions of higher education", our university has received the status of the S.D Asfendiyarov Kazakh National Medical University.
- In 14 May 2010, KazNMU joined to the Magna Charta of European Universities (Bologna, Italy)
- In 2011, the University entered to top ten of innovation-oriented universities.
S.D.Asfendiyarov KazNMU Today

The country's largest educational and scientific and clinical complex with modern material, teaching methods, scientific, clinical databases, the prevailing high-qualified teaching staff.
Visit of the Minister of Health
S.Z. Kairbekov, 2012

Visit of the Minister of Education and Science B.T.
Zhumagulova, 2011

LEADER OF MEDICAL EDUCATION AND
SCIENCE IN KAZAKHSTAN

MEDICAL EDUCATION
REQUIREMENTS OF REGULATORY COMPLIANCES

Certificate of institutional accreditation from IAAR

«SGS» Certificate

SGS Diploma

International Quality Certification on «International Quality Certificate» (Swiss Institute of Standardsquality)

Certificate League Consumers of Kazakhstan

MEDICAL EDUCATION
Mission

KazNMU – is a innovation Cluster, which prepares highly competitive health care professionals and pharmacies on the basis of the competence-based approach with extensive involvement of local and foreign scientists and the constant build-up of the scientific potential

Introduction

Recognized by the international community in a socially responsible leader in health education, producing competitive and sought-after professionals in the labor market, ensuring the unity of science, education and practice through the introduction of innovative technologies in all spheres of activities, developing national scientific medical school, to promote and propagate their own traditions
7 school buildings, 76 bases of practice, B. Atchabarov Research Institute of Basic and Applied Medicine, Institute of Postgraduate Studies, University Hospital with educational and clinical center, internal medicine, "Aksai" pediatric clinic, Institute of Dentistry, Graduate School of Medicine, Center of practical skills, communication skills Center, Center for Evidence-Based Medicine, School of Public Health, School of teaching skills, and a sports complex.
an automated information system AIS-KazNMU since 2011

Since 2011, in the high school and university dormitories have WI-FI, providing students access to electronic resources

In 2011, the University acquired 1000 netbooks and give them to free use to honors students

In 2012, the University acquired 1000 netbooks for teachers
EDUCATIONAL ACTIVITIES

The training is carried out on 104 specialties nomenclature of specialties on State Classifier.
Management of educational process

RECTOR

Vice-rector on educational work

The Academic Council

Methodical Council

Department on academic works

Scientific-research institute of fundamental medicine named after academician B. Atchabarov

Department for Clinical Affairs

Educational departments

CEP's

Chairs and Modules

Deans

Advisors

Higher Medical School

Department IT-technologies

Library

Department of Developing Socio-cultural competencies of students.

Institute for the Development of the University

Center of practical skills
<table>
<thead>
<tr>
<th>Schools</th>
<th>Centers</th>
<th>Institutes</th>
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<tbody>
<tr>
<td>School of Public health named after Kh.Dosmukhamedov</td>
<td>Since 2010, the Center for Communication Skills named Juliet Draper (University of Cambridge, UK)</td>
<td>Institute of Postgraduated Education;</td>
</tr>
<tr>
<td>The school of pedagogical of pedagogical skills named after H.S.Nassyulina</td>
<td>In 2010, were opened the Center of monitoring the quality of education and scientific support and reform of medical education</td>
<td>Institute of Stomatology</td>
</tr>
<tr>
<td>School of Vaccinology named after R. Aspetova</td>
<td>Center for Evidence-Based Medicine Prof. H.K.Satpaev center of Life science Center of morphological disciplines</td>
<td>Institute of Nursing</td>
</tr>
<tr>
<td>Faculty internship and residence converted into a Medical School</td>
<td>in 2011 opened the KasenaKozhahanov Center of practical skills Center for Independent assessment of knowledge and skills with application techniques OSKE</td>
<td>Institute of Clinical Pharmacology</td>
</tr>
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<td></td>
<td>Center of the Bologna process</td>
<td>The Institute of the University development</td>
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</tbody>
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On the 107 chairs and modules are working 1554 teachers among which

- 4 academician of the NAS RK
- 2 Academician of the RAMS
- 20 members of the Academy of Preventive Medicine and the Academy of Natural Sciences
- from National Academy of Sciences of Kazakhstan 1 member
- from international academies 15 members
- 167 doctors of medical sciences, 454 candidates of sciences, 2 PhD
- 15 Laureates of State Prizes
Medical scientists from around the world and KazNMU honorary professors are- including Marc Danzon, Director General of WHO Europe (France), Jo Eirik Asvall, former director of the WHO Regional Office for Europe (Norway), Michael Ellis DeBakey, a prominent heart surgeon, director of the Center heart (Houston, USA); M.Tseender, Head. Department of Interventional Cardiology, University Hospital Freiburg (Germany); Perelman M.I, Academy of Medical Sciences, director of the Institute of Phthisiopulmonology named after I.M Sechenov, Pokrovsky V.I, RAMS, Director of Central Research Institute of Epidemiology, Hans Carl, a former president of the World Federation for Medical Education; Chazov E.I, and RAMS academician, a cardiologist, general director of the Russian Research and Production complex Health Ministry; Cherkasky B.L, corresponding member of the Academy of Medical Sciences, Head. Department of the Central Research Institute of Epidemiology; Chuchalin A.G, Academy of Medical Sciences, director of the Russian Research Institute of Pulmonology, Leonid Roshal, Professor, Director of the Moscow Research Institute of Emergency Children's Surgery and Traumatology Health Ministry and others...
KazNMU invited in the period from 2011-2013. to read lectures and master classes more than 200 visiting professors from 43 foreign countries.
Each year, according to the Independent Agency accreditation and rating of Kazakhstan (IAAR) KazNMU takes leadership on educational programs.
EDUCATIONAL PROGRAMS

For the first time in the Republic of Kazakhstan KazNMU them. Asfendiyarov developed a competence-oriented model of medical education: based on 5 competencies of world class education and the needs of the labor market.
Часть 1 – «Компетенции»

Часть 2 – «Образовательные программы»

Часть 3 – «Методы и формы обучения»

Часть 4 – «Методы оценки компетенций»

Формирование когнитивной компетенции (знания)

Оценка преподавателем результатов работы студента

Компетенция

ПОДГОТОВКА ВЫСОКОКОМПЕТЕНТНОГО КОНКУРЕНТОСПОСОБНОГО СПЕЦИАЛИСТА

MEDICAL EDUCATION
MEDICAL EDUCATION

Центры:
1. Центр медицинской симуляции
2. Центр коммуникативных навыков
3. Центр фармацевтических навыков
4. Центр стоматологических навыков
5. Центр независимой оценки знаний и навыков
6. Центр медицины катастроф
7. Компьютерный класс

Клиническая база КазНМУ:
- Клиника внутренних болезней
- Образовательный клинический центр
- Институт стоматологии
- «Аффилированные» клинические базы
- МО города Алматы и РК

Центры ОСКЭ:
- Стандартизованные больные
- Независимые экзаменаторы
- Апробация методов оценки профессиональных навыков и умений студентов
МЕДИЦИНСКОЕ ОБРАЗОВАНИЕ

Practical skills center K.Kozhakhyanov:

1. Center of Medical stimulation
2. Center of Communicative skills
3. Center of Pharmaceutical skills
4. Center of Stomatology Dental skills
5. Center for independent assessment of knowledge and skills
6. Disaster Medical Center
7. Computer class room

Clinical base of KazNMU:

- Standardized Patients.
- Independent examiners
- Internal medicine
- Clinical educational center
- Institute of Stomatology
- "Affiliated" clinical bases
- MO of Almaty city and RK

University is clinic with 300 beds
PRACTICAL SKILLS CENTER

Students try hands-on skills with training mannequins and virtual simulators
DEVELOPMENT OF OPERATIONAL COMPETENCES

- Testing of manual skills on the simulators
- The revival of regional and rural manufacturing practices
- Testing of the ability to act in emergency situations
- The development of practical skills continuously in the progression from 1 to 7 years of standings
KazNMU is the only medical university in Kazakhstan, where since 2010 the practical training of interns includes 3-month trainings in clinics at 5 regional centers (Taldykorgan, Taraz, Kyzyl-Orda, Petropavlovsk, Uralsk).
Students, interns and residents are trained at the University Hospital, 33 Medical Institutions from 8 regions in Kazakhstan, Almaty, 76 health facilities.

The University has 56 clinical departments, including 22 therapeutic, 17 - Surgical, 7 - and 10 pediatric - dental profile.
Часть 1 – «Компетенции»
Часть 2 – «Образовательные программы»
Часть 3 – «Методы и формы обучения»
Часть 4 – «Методы оценки компетенций»

Центр коммуникативных навыков им. Джулиет Драпер

Формирование коммуникативных навыков

Клуб «Адвокат здоровья»
Модуль «Формирование правовой компетенции»
3. Formation of communicative skills

Center of communication skills named after Juliette Draper

4. Formation of legal competence

Club “Health lawyer”
Module “Medical law and basics of legislation in Health Care”

5. Developing self improvement competence

✓ IWS (Independent work of students), IWSUT (Independent work of students under the guidance of a teacher)
✓ Learning through Research
✓ SRWS (Scientific research work of the student)
✓ Trilingual education Program
✓ “Winter” and “Summer” schools
✓ Institute of continuous education
Competence 3
Formation of communicative skills

- center of communication skills named after Juliette

- Club
- “Health lawyer”
- Module
- “formation of legal competence”

- IWS (Independent work of students), IWSUT (Independent work of students under the guidance of a teacher)
- Learning through researching
- SRWS (Scientific research work of the student)
- Trilingual education Program
- “Winter” and “Summer” schools
- Institute of continuing education

Competence 5
Development of self competence
The developing of Communicative Competences

Center of communication skills after Juliette Draper, author of the first textbook on communication skills in medicine (University of Cambridge, UK)
1. СРС, СРСП
2. Обучение через исследования
3. НИРС
4. Программа «Трёхъязычное обучение»
5. «Зимняя» и «Летняя» школы
6. Институт непрерывного образования
IWS (Independent work of students), IWSUT (Independent work of students under the guidance of a teacher)

Learning through researching

SRWS (Scientific research work of the student)

Trilingual education Program

“Winter” and “Summer” schools

Institute of continuing education

Competence 5
Development of self competence
Service of advisors

Established and operational works

helping students
• identifying an individual educational trajectory of education
• development of educational programs
• orientation and adaptation to the educational process
• in shaping the future of professional orientation of students
Pursued within the framework of 15 joint disciplinary educational programs with partner universities from near and far abroad.

From 2012 with the Graduate School of Management (Barcelona, Spain) for graduate Masters from "Medicine" and "Public Health" faculties is carried out two-diploma training program
The implementation of "multilingual education« program

Trilingual educational programs were implemented in 2 disciplines (introduction into the clinic, communication skills)

2010 YEAR

Trilingual educational program is implemented in all disciplines. Students learn disciplines in Kazakh, Russian and in English languages.

2011 YEAR

Developed more than 35 electives in English language

2012 YEAR

Our 96 teachers intensively studied at the English courses London Standard and InterPress due to the expense of the University

Language Training Center
QUALITY ASSURANCE OF EDUCATIONAL PROCESS

- Применение инновационных образовательных технологий
- Компетентностный подход к образованию
- Модульная структура учебных планов
- Акцент на практическую подготовку
- Новое методическое обеспечение образовательного процесса
- Синтез науки и образования

Конечный результат – повышение качества подготовки выпускников

MEDICAL EDUCATION
Training at PhD-doctoral studies conducted in the field, "Medicine", "Public Health", "Pharmacy", "Technology of pharmaceutical production."

From 2012, Kazakhstan has opened its first Dissertation Council for the award of a PhD degree in "Public Health" faculty on the basis of KazNMU.
In 30th of September 2011, our President Nursultan Nazarbayev handed presidential scholarships and badges to 10 best undergraduates. The Bid Evaluation Committee considered seven thousand applicants, but only a few are honored.

FROM KAZNMU ALFIYA IGISENOVA WAS AMONG THE 10 TOP MASTERS FROM REPUBLIC
GRADUATES OF KazNMU

During 83 years at University life more than 65,000 graduate doctors works around the world. The names of the graduates are inscribed in the Book of graduates. In 2009, the Association of graduates was established in KazNMU. The main activities of the Association are organizing and conducting meetings with graduated students, career guidance and counseling of students for employment, promotion of the results of educational, clinical, research activities in KazNMU.
Kh.S. Nasybullin School on teaching skills conducts ongoing trainings and retraining of teaching staff on short-term training programs. At the stage of development and deployment are 17 corporate training programs.

First among the universities of Kazakhstan in KazNMU with 2011 sold 2-year program of formation of pedagogical provision for which currently enrolls 78 trainee teachers - graduates KazNMU.
In KazNMU developed and implemented KPI - Key Performance Indicators of teachers. Over the year, the rating is formed, which determines the level of financial incentives.

In order to identify and promote talented employees, providing competitive advantage and enhance the image of the University of the University at the international level, we launched a program "Talents in the service of the University" in 2012.
The cultural environment of University

The University has a museum of the history of medicine and KazNMU rare exhibits from the XIX and XX centuries, three anatomical museum
The cultural environment of University

In 2012 KazNMU opened Student Theatre Concordia. At the theater are the premiere of documentary and feature films, concerts, country music groups, drama and creative meetings with cultural RK.
The cultural environment of University

"WE - Kazakhs" the Day of national culture

MEDICAL EDUCATION
The cultural environment of University

Art exhibition - Dinara Saginova
(1 year student of stomatology faculty)
Student governing

Student Government

Student Ombudsman

Student Organizations

- IAMS - International Association of Medical Students
- The Youth Committee Fund financial support to students'
- Demeu " Debate Club
- Intellectual Club
- Info-Media Center Club
- Top 100 Student squad
- Building group "Erikti zhastar"
- CCR creative groups
75 students participated in the volunteer movement 7 - Winter Asian Games-2011 for the purpose of providing emergency medical care to Olympians.

Student volunteers participate in the annual International Winter School "Prevention of Tuberculosis".

Student volunteers deliver lectures to students of other universities on HIV, tuberculosis and other socially dangerous diseases.
INTERNATIONAL COOPERATION

KazNMU is a member of 8 International Associations

- International Pharmaceutical Federation
- European Association of Faculties of Pharmacy
- European University Association
- AMEE
- International Association of Universities
- Promoting Dental Education in Europe
- Association of Faculties of Medical Education
KazNMU International Cooperation
KazNMU is partner of 90 universities and medical organizations from 29 countries.

Geography of partners:
- Armenia
- Belarus
- Bulgaria
- Great Britain
- Hungary
- Israel
- Jordan
- Spain
- Italy
- Canada
- Kyrgyzstan
- China
- Korea
- Lithuania
- Malaysia
- Norway
- UAE
- Poland
- Russia
- USA
- Turkey
- Uzbekistan
- Ukraine
- France
- Croatia
- Czechia
- Estonia
- Japan

MEDICAL EDUCATION
International cooperation

On the basis of agreements and memoranda of cooperation, staff and students of the University are involved in international, congresses, symposia, educational programs, research internships, competitions and master classes with leading global health experts.
Traditions: THE DAYS OF THE UNIVERSITY

Annual International Conference, inviting partners and stakeholders
Traditions: dedication of students
Traditions: «D.O.C.» ANNUAL INTERNATIONAL STUDENTS FORUM
In 2012, to promote international cooperation among students with partner universities, national and international student organizations was organized by International Forum of Medical Students and student organizations «DOC Development Opportunities Cooperation».

(IAMS) By a results of the forum was created the International Association of Medical Students.
Improvement s of the material and technical base

Since 2012 the University has started construction of a new dormitory for 512 places at their own expense. The project is based on the ideas of the student project "Creative hostel"
University Medical Center in the Future