



Faculty of Medicine Khon Kaen University



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Faculty of Medicine

Khon Kaen University

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Photo: Wanchai Kranjanasurat, Supranee Sosawang and Saranpong Likhitamnuay

Welcome

to the Faculty of Medicine

Khon Kaen University



The vision of our faculty is to serve as a world class medical school that brings value to Thai society and all mankind. Four strategies are enabling our attainment of this vision:

- 1. Go Premium:** offering internationally standard healthcare services, teaching, and research;
- 2. Go Innovation:** striving for educational and technological innovation;
- 3. Go International:** achieving international recognition by promoting world class services and increasing international collaboration; and,
- 4. Go Professional:** providing excellent services by implementing good governance policy to bring our faculty as a learning organization.

As Dean of the Faculty, I pledge to implement the philosophy of a *Self-sufficient Economy*, as advised by His Majesty the King of Thailand.

Charnchai Pan.

Associate Professor Charnchai Panthongviriyakul, MD
Dean, Faculty of Medicine
Khon Kaen University



History of the Faculty



About the Faculty

The Faculty of Medicine at Khon Kaen University was established in 1972, the first medical school in Northeast Thailand. The Faculty has grown dramatically since its inception. Currently, one-third of the university's personnel work for the Faculty, including academic lecturers, doctors, nurses, medical technicians and support staff.

Vision:

- To serve as a world class medical school that brings value to Thai society and all mankind.

Mission:

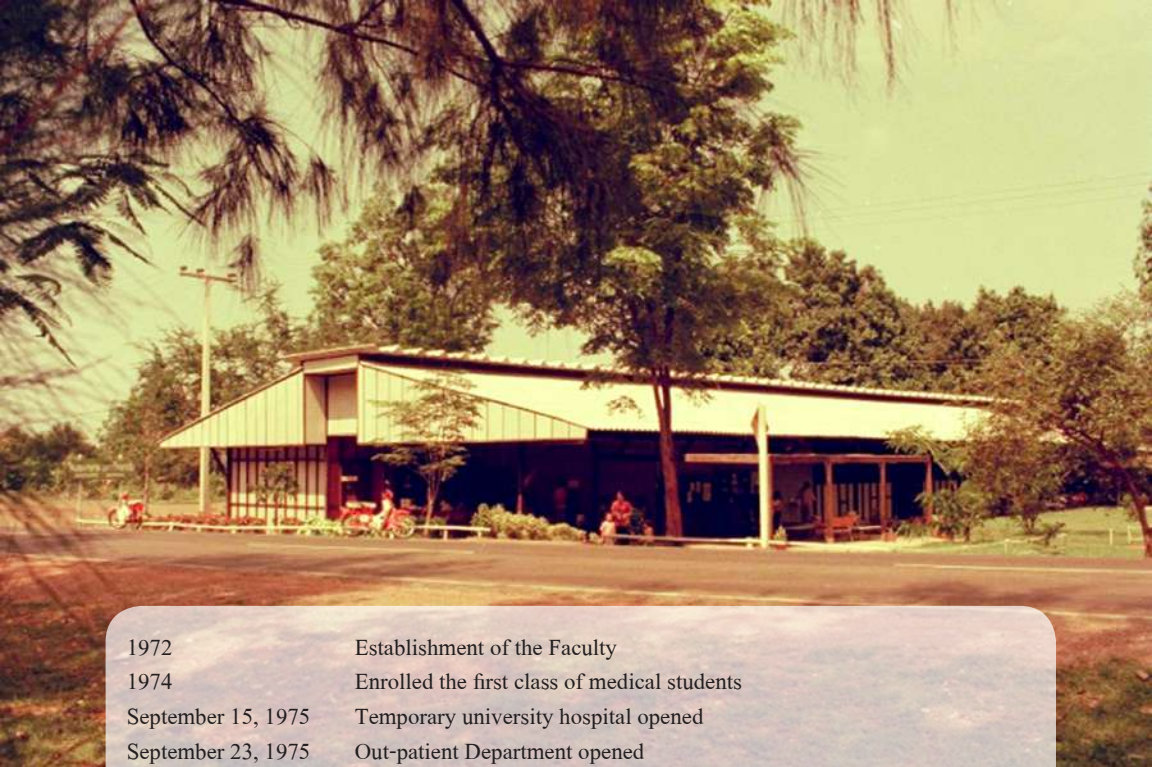
The Faculty aims to offer internationally standard healthcare services and medical teaching for the people of Thailand and neighboring countries. Our mission includes:

- Providing academic and medical services as well as health promotion/prevention measures to benefit Thai society and all mankind;
- Producing high quality research and creating new knowledge for balanced, long-term development at an international standard;
- Supporting balanced, sustainable development in northeastern Thailand and the Greater Mekong Subregion;
- Promoting local arts and culture; and,
- Performing as a good governance organization.

Organizational Culture

ACT-SMART

1. Accountability
2. Customer Target
3. Social responsibility
4. Management by fact
5. Agility
6. Research based
7. Teamwork



1972	Establishment of the Faculty
1974	Enrolled the first class of medical students
September 15, 1975	Temporary university hospital opened
September 23, 1975	Out-patient Department opened
June 12, 1976	In-patient Department opened
February 19, 1976	HM the King placed foundation stone for the new hospital
September 8, 1979	Hospital named “Srinagarind Hospital” in honor of HRH the Princess Mother Srinagarind Hospital completed
Mid 1982	Srinagarind Hospital completed
December 10, 1983	HM the King officially opened the hospital
December 21, 1989	HM the King placed foundation stone for the four-storey building in memory of the Princess Mother’s 89th Birthday
January 24, 1994	The Princess Mother’s 89th Birthday Building officially opened by HRH, the Crown Prince
July 10, 1997	HRH the Crown Prince placed foundation stone for 19-storey Princess Mother Memorial Tower
March 26, 1999	HRH the Crown Prince placed the foundation stone for “Golden Jubilee Convention Hall” for Orthopedics and Rehabilitation
2001	Golden Jubilee Convention Hall opened
December 18, 2007	Princess Mother Memorial Building completed and opened by HRH Princess Maha Chakri Sirindhorn
December 22, 2008	“Academic and Research Laboratory Building” (Wechwichakarn) opened by Her Royal Highness Princess Maha Chakri Sirindhorn.
April 4, 2013	HRH Princess Maha Chakri Sirindhorn placed foundation stone for “Galyani Vadana Memorial Building”

Academic Facilities



<http://home.kku.ac.th/acamed>

Curriculum:

The MD (Doctor of Medicine) program requires six years and a total of 261 credits to graduate. The program is divided into three years of pre-medical and pre-clinical study and three years of clinical study. Problem Stimulated Learning (P-S-L), a Modular System and an integrated curriculum are used in the pre-medical and pre-clinical years.

- The three-year pre-medical and pre-clinical course includes:

- Year 1: Life and Life Cycle; Life and Environment; Learning Process; Professional Development; Man, Society and Culture; Art, Design, Music and Creative Thinking and General Principles for Medical Sciences I and II.

- Year 2 and 3: General Principles for Medical Sciences III and IV; Skin and Related Connective Tissues; Hematopoietic and the Lymphoreticular System; the Musculoskeletal System; the Nervous System; the Gastrointestinal System and Nutrition; the Endocrine System; the Urinary System; the Reproductive System; the Cardiovascular System; Correlated Basic Medical Science and Clinical Science; Introduction to Clinical Science and Community Medicine and Family Medicine I and II.

- During the clinical years, students perform supervised rounds in the hospital, attend lectures and practice at many affiliated hospitals. The three-year clinical course includes: Medicine; Surgery; Obstetrics and Gynecology; Pediatrics; Orthopedics; Rehabilitation Medicine; Community Medicine and Family Medicine III and IV; Psychiatry; Ophthalmology; Otorhinolaryngology; Anesthesiology; Clinical Radiology and Forensic Medicine.

The Faculty offers numerous programs, including:

- **Bachelor degrees**

- Doctor of Medicine (MD)
- Medical Illustration and Audio Visual Technology
- Radiological Technology

- **Masters programs**

- Anatomy
- Parasitology
- Pharmacology
- Medical Biochemistry
- Medical Physiology
- Medical Microbiology
- Neuroscience
- Community Medicine

- **Master Degree (International Programs)**

- Tropical Medicine
- Medical Biochemistry
- Community Medicine

- **Graduate Diploma Programs in Clinical Medical Science**

- Anesthesiology
- Anatomical Pathology
- Medicine
- Obstetrics and Gynecology
- Ophthalmology
- Orthopedics
- Otorhinolaryngology
- Pediatrics
- Psychiatry
- Radiology
- Rehabilitation Medicine
- Surgery
- Family Medicine

- **Doctorate Degree**

- Anatomy
- Parasitology
- Pharmacology
- Medical Biochemistry
- Medical Physiology
- Medical Microbiology
- Pathobiology
- Clinical Sciences
- Neuroscience
- Community Health Development

- **Doctorate Degree (International Program)**

- Medical Biochemistry
- Tropical Medicine

- **Fellowship programs in sub-specialties**

- Gynecological Oncology
- Maternal and Fetal Medicine
- Reproductive Medicine
- Gastroenterology
- Nephrology
- Pulmonary Medicine and Pulmonary Critical Care
- Cardiology
- Rheumatology
- Infectious Diseases
- Developmental and Behavioral Pediatrics
- Neonatal and Perinatal Medicine
- Pediatric Cardiology
- Pediatric Infectious Diseases
- Pediatric Hematology and Oncology
- Surgical Oncology

- **Other international programs**

- Doctorate in Public Health (collaborates with other faculties)
- Diploma Course in Clinical Research Methodology (4-month program)

- **Residency training programs**

- Anesthesiology
- Anatomical Pathology
- Emergency Medicine
- Family Medicine
- Internal Medicine
- Neurology
- Ophthalmology
- Obstetrics and Gynecology
- Orthopedics
- Otolaryngology
- Pediatrics
- Psychiatry
- General Radiology
- Diagnostic Radiology
- Radiotherapy and Oncology
- Rehabilitation Medicine
- Surgery
- Thoracic Surgery
- Plastic Surgery
- Nuclear Medicine
- Hematology

Research Affairs

www.md.kku.ac.th/research

The Faculty of Medicine at Khon Kaen University has established itself as a center for world-class research and tertiary patient care. The mission of the Faculty is to engage in innovative research activities for well-balanced and long-lasting development of the people of Northeast Thailand. We are proud to work for the benefit of the Isaan people. At present, the Faculty has four Research Centers of Excellence and 20 Research Groups which are very active in undertaking research focusing on the diseases prevalent in Northeast Thailand. One of the Faculty's missions is to instigate research activities for important diseases in the region affecting local communities.

Research Support Units – Research Affairs

Laboratory Animal Unit

The Laboratory Animal Unit has the important task of supporting research activities by producing, caring for and servicing laboratory animals for teaching, research, testing and biomaterials production. This unit also organizes seminars and academic conferences regarding the ethics and usage of laboratory animals for experimentation.

Ethics Unit

The Ethics Unit oversees and assesses research involving human subjects in the Biomedical Sciences, Health Behavior, Medical and Health areas, Social Sciences and Behavioral research projects.

Epidemiology Unit

The Epidemiology Unit provides support and consultation for faculty in the research planning and analysis of research.

Research Centers in the Faculty of Medicine

1. Liver Fluke and Cholangiocarcinoma Research Center (LiverCare) www.livercare.kku.ac.th
2. Melioidosis Research Center (MRC) www.melioid.org
3. Research and Diagnostic Center for Emerging Infectious Disease (RCEID) <http://emerging.kku.ac.th>
4. Cleft Lip-Cleft Palate and Craniofacial Center in association with the “Tawanchai Project” <http://kkucleft.kku.ac.th>

Faculty Research Groups

1. Renal Stone Research Group
2. Occupational Health and Medicine Research Group
3. Clinical Nutrition Research Group
4. Herbal Medicine Research Group
5. Systematic Review Research Group
6. Thalassemia Research Group
7. Chronic Kidney Disease Research Group
8. Multidisciplinary Management of Pain Research Group
9. Molecular Biology and Bioinformatics Research Group
10. Osteoporosis Research Group
11. Osteoarthritis Research Group
12. Epilepsy Research Group
13. Tuberculosis Research Group
14. Medical Device Research Group
15. Lung Cancer Research Group
16. Sport Medicine Research Group
17. Development of Nutraceutical Compound & Brain Plasticity Research Group
18. Thyroid Cancer Research Group
19. Cardio Vascular Research Group
20. Human Papillomavirus Infection and Carcinogenesis Research Group
21. Noninvasive Brain Stimulation Research Group (NIBS)
22. Diabetic Retinopathy Research Group
23. Music for Health Research Group
24. Exercise Sciences and Health Promotion Research Group
25. Infertility and Fertility Sciences Research Group
26. Eye Research Group





Research Funding and Financial Support

Faculty Grants

Khon Kaen University's goal is to be an excellent research university. The Faculty encourages and supports the development of technologies and research by its staff. The Faculty provides research funding in the form of grants for staff researchers, including:

1. Invitational research scholarships

Invitational research scholarships support manuscript publication by interns, residents, fellows, graduate students and academic staffs.

2. Commissioned research scholarships

Commissioned research scholarships are provided to Academic Affairs and Srinagarind Hospital for doing research on policy development.

3. Research group scholarships

Research Affairs provides Research Group Scholarships for the support of multidisciplinary research which cannot get financial support through regular funding mechanisms; such as for small group meetings to do preliminary studies and literature reviews for proposal.

4. Routine to research (R2R) scholarship and clinical outcome research

Research Affairs provides financial support for research to improve the efficiency of patient treatment. The purpose of this scholarship is to decrease patient and hospital expenses and to get the results published.

5. Research leadership fund

The Research Leadership Fund supports and promotes health and sanitation research in Northeast Thailand. A primary goal is for researchers to publish their manuscripts in an international journal.

6. Systematic review

Support is given to researchers publishing systematic reviews in international journals.

7. Research assistantship

The Research Assistantship provides support for research assistants to increase finalization of research manuscripts for publication in international journals.



Student Affairs

HRH Prince Mahidol of Songkla, the father of modern Thai medicine, advised medical students: *“I don’t want you to be only a doctor, but I also want you to be a man”*— to be a whole compassionate person. In this respect, medical students at the Faculty are responsible for setting more than thirty of their own activities each year while the Faculty facilitates another six.

Student activities include health promotion, recreation, ethically oriented activities, community services, academics, cultural awareness, environmental preservation, welfare, career counseling and student-teacher exchanges.

The students, along with a designated teacher/advisor, organize more than 10 clubs; for example, the Computer Club, the Classical Thai Music Club, the Western Music Club, the Photography Club, the Football Club, the Aerobics and Ballroom Dancing Club, and the Environmental Conservation Club.

The Faculty holds an annual Student Council election. The committee for student affairs provides counseling, dormitory management and scholarships.



International Collaborations

<http://www.md.kku.ac.th/irs>






















The Faculty recognizes and appreciates the value and importance of academic and cultural exchanges between other universities at home and abroad and consequently has increased its participation in exchanges over the years. Such liaisons provide an opportunity to understand the differences in clinical and cultural approaches to medicine in different countries and cultures. Our staff and students participate in academic exchange activities at universities in Asia and Western countries.



Academic Collaborations

The Faculty aims to establish international collaborations with overseas institutions through reciprocal exchanges of students and staff and joint research. To this end, the Faculty has developed academic links with 48 universities, including:

No.	University	Country	
1	Imperial College of Science, Technology and Medicine		UK
2	Barts and The London School of Medicine and Dentistry, Queen Mary, University of London		UK
3	The University of Nottingham		UK
4	Swiss Tropical and Public Health Institute		Switzerland
5	Kursk State Medical University		Russia
6	Case Western Reserve University		USA
7	University of Wisconsin Madison School of Medicine		USA
8	George Washington University		USA
9	George Washington University School of Medicine and Health Sciences		USA
10	University of Alabama at Birmingham		USA
11	Louisiana State University and Agricultural & Mechanical College		USA
12	The United States Pacific Command's Joint POW/MIA Accounting Command		USA
13	University of Kentucky		USA
14	University of Dalhousie		Canada
15	Universidad Autónoma de Madrid		Spain
16	Instituto de Productos Lácteos de Asturias		Spain

No.	University	Country	
17	University of Sassari		Italy
18	University of Queensland		Australia
19	James Cook University		Australia
20	Mie University		Japan
21	University of Tsukuba (Tsukuba Research Center for Interdisciplinary Materials Sciences Graduate School of Pure and Applied Sciences)		Japan
22	Fujita Health Medical University School of Medicine		Japan
23	Fujita Health University School of Health Sciences		Japan
24	Wakayama Medical University		Japan
25	Kumamoto University		Japan
26	Gifu University School of Medicine		Japan
27	Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences		Japan
28	Aichi Medical University		Japan
29	Institute of Medical Science, The University of Tokyo		Japan
30	Zhongshan School of Medicine Sun Yat-sen University		PR China
31	Guangxi Traditional Chinese Medical University		PR China
32	Liuzhou Medical College		PR China
33	Guangxi Medical University		PR China
34	Chinese University of Hong Kong		Hong Kong
35	The University of Hong Kong		Hong Kong

No.	University	Country	
36	Tzu Chi University		Taiwan
37	China Medical University		Taiwan
38	Institute de la Francophonie pour la Medicine Tropicale (IFMT)		Lao PDR
39	The University of Health Sciences		Lao PDR
40	The University of Health Sciences Pfizer Thailand Foundation Health frontiers Fellowship Training Program for Lao Pediatrician		Lao PDR
41	The University of Health Sciences Pfizer Thailand Foundation Health frontiers Fellowship Training Program for Lao Doctor		Lao PDR
42	Hue College of Medicine and Pharmacy Hue University		Vietnam
43	Periyar University		India
44	Kathmandu University		Nepal
45	Patan Academy of Health Sciences		Nepal
46	Universiti Malaysia Sabah		Malaysia
47	Ateneo de Zamboanga University		Philippines
48	Yonsei University		South Korea









Srinagarind Hospital

In 1975, Srinagarind Hospital commenced providing medical services in a temporary site located on Srithan Road. In 1976, HM the King, Bhumibol Adulyadej, placed the foundation stone for the current hospital and named it “Srinagarind Hospital” in honor of his mother, HRH the Princess Mother.

Srinagarind Hospital is the only medical-school-associated hospital in Northeast Thailand. It offers all the specialties and sub-specialties available in Bangkok. For some specialties such as cholangiocarcinoma and renal stones, both endemic to the Northeast, Srinagarind Hospital is a world leader in treatment and research.

The hospital has a dedicated organ transplantation team. For example, 32 kidney transplantations are performed annually, second only to Ramathibodi Hospital in Bangkok.

The hospital is a center for research statistics including a regional Cancer Registry. At present, there are 1,200 beds with 21 operating theaters, 11 nursing care departments, a blood bank and daycare facilities. 690,000 out-patient cases and 40,500 in-patient cases are attended to each year.



The Blood Transfusion Center (Est. 1979) supports blood transfusion therapy at Srinagarind Hospital and the Queen Sirikit Heart Center. Activities include: donor recruitment, blood collection, blood donor testing, blood component preparation, compatibility testing, teaching, training and research. The center also serves as a regional reference laboratory for; proficiency testing, problem-solving, blood supply monitoring and academic support to the public and to other blood banks in Northeast Thailand.



The blood bank collects 32,000 units of blood annually; all of which is tested for anti-HIV, HIV antigen, HBsAg, Anti-HCV and syphilis antibodies, to ensure a safe blood supply. Blood components, including packed red cells, leukocyte-poor red cells, leukocyte-depleted red cells, platelet concentrate, fresh frozen plasma, frozen plasma and cryoprecipitate, are prepared and controlled to meet international standards; apheresis for platelets is conducted using an automatic cell separator.

Apart from the blood transfusion service, the Blood Bank also provides HLA-typing, kidney and bone marrow matching for transplantation, hematopoietic stem cell collection and investigations for transfusion reactions.



Academic activities include teaching Blood Banking and Transfusion Medicine for 3rd-year medical students, medical technology students and postgraduate training in biomedical sciences.

Research

Research projects include: appropriate use of blood components, development of techniques for red cell serology, molecular biology in major histo-compatibility complexes and transplantation.

Director of Blood Transfusion Center

Assistant Professor Chintana Puapairoj

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www.md.kku.ac.th/donate

Srinagarind Day Foundation

In December 1997, the Faculty of Medicine, Khon Kaen University received permission to set July 18th as “Srinagarind Day” in memory of HRH Princess Srinagarindra, the Princess Mother. The “Srinagarind Day Foundation” was established to receive donations to help patients with insufficient financial resources. In the inaugural year, the Faculty received a 2,110,000-baht royal grant. On November 10th, 2008, HRH Princess Maha Chakri Sirindhorn agreed to be the patron of the “Srinagarind Day Foundation”. Another foundation directly serving the underprivileged is “The Faculty of Medicine Foundation”. This foundation is administrated by the hospital’s social welfare department.

Vision

The Srinagarind Day Foundation is to help relieve the financial burden of the poor coming to Srinagarind Hospital and to support medical students needing financial assistance.

Mission

1. Administration of the Srinagarind Day Foundation to be under committee control;
2. Donations to be used to defray treatment expenses of the poor;
3. Some donations allocated for research by medical students or scholarships for medical students needing financial assistance; and,
4. Some donations may be used to assist other charitable organizations.





Queen Sirikit Heart Center of the Northeast

Background

The Heart Center of Northeast Thailand, a 200-bed facility, was built to commemorate the 60th birthday of HM the Queen. June 17th, 1991, the Heart Center received permission from HM Queen Sirikit to use her name for the Center. December 30th, 1992, a Royal Decree officially established the Center. January 24th, 1994, HRH Crown Prince Maha Vajiralongkorn placed the foundation stone for the Heart Center and March 9th, 2006, the Center was completed.

The Heart Center's responsibilities include: education, research and academic services for cardiovascular disease in the Northeast.

Vision

The Queen Sirikit Heart Center for Northeast Thailand is to be a center of excellence for cardiovascular treatment and research and for training specialists in this field for service in Thailand and neighboring countries.

Mission

Emphasize and improve cardiovascular treatment, academic services, research and support graduates studying cardiovascular science.

Khon Kaen University

The University

Khon Kaen University is one of the four regional universities established in 1964 as part of a plan to decentralize higher education in Thailand. KKU is the primary educational and learning center in Northeast Thailand and is recognized as the leader of new innovations in teaching, learning and research in Southeast Asia. The campus is situated just a few kilometers from the center of Khon Kaen City which is the trade and administrative hub of the Northeast and is on a main transport route between the capital and the Mekong Sub-region. Thus, KKU is ideally located to support the development of the Northeast and neighboring countries. From its humble beginnings, the university now has more than 34,000 students studying in 17 faculties, with one satellite campus (in Nong Khai), 1 demonstration school and 3 colleges. Currently, KKU offers 40 International and English programs covering almost every discipline.

Faculties

Agriculture
Architecture
Associates Medical Sciences
Dentistry
Education
Engineering
Fine and Applied Arts
Humanities and Social Sciences
Management Sciences
Medicine
Nursing
Pharmaceutical Sciences
Public Health
Sciences
Technology
Veterinary Medicine
Law

Facilities and Services

Post Office
Sport Facilities
The Academic Service Center
The Art and Culture Museum
The Research and Development Institute (RDI)
Confucius Institute
Institute of Learning and Teaching Innovation (ILTI)
Accommodation
Bank
Commercial Complex
Computer Services
The Golden Jubilee Convention Hall
Health Sciences
International Student Services
Library Services

Colleges

College of Graduate Study in Management
College of Local Administration
International College

School

Graduate School





Leadership in Medical Education
"We bring the world of medicine into the class."







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