OUTLINE OF ACTIVITIES

Educational Activities

Undergraduate Education

Setting goals for national examination pass rates for medical and nursing students

Shiga University of Medical Science is aiming for its students to achieve a pass rate of 95% or more on the National Examination for medical practitioners, 98% or more on the National Examination for nursing practitioners, and 95% or more on the National Examination for public health nursing practitioners.

Implementing hands-on training in comprehensive medicine for all students

Based on the success of education projects such as training for patient visits, the university has established hands-on training in comprehensive medicine for all students and is working to develop the abilities of students to communicate and think logically.

Medical student support program through local "foster parents"

With the goal of training doctors and nurses who will be in charge of future local medical services, Shiga University of Medical Science has established an advising system for students in which people including graduates are assigned as "foster parents" and local residents as "semi-foster parents" to students from when they first enter the university.

Program to foster basic medicine professionals

With the aid of the Japanese Ministry of Education, Culture, Sports, Science and Technology, Shiga University of Medical Science supports academically and financially students who want to be basic medicine teachers/researchers during their studies in undergraduate and graduate school.

Graduate Education

Basic plan to train cancer professionals

Shiga University of Medical Science trains cancer specialists in the fields of drug therapy, radiation therapy, palliative therapy and breast cancer therapy.

Advanced specialization training

The university has created an Advanced Specialist Training Program for all study courses and aims for the students to obtain doctorates, becoming specialist doctors.

Research Activities

Promotion of Priority Research Projects

Establishment of Disease Models and Medical Research using Macaques

- Establishment of Alzheimer's disease model
- Production of iPS cells and transplantation study using MHC-homo macaques
- Research on pathogenesis of new influenza and testing of efficacy of several vaccines and anti-viral drugs
- Study on cornea transplantation

Research on Intractable Neurological Diseases

- Development of novel diagnostic and therapeutic methods for Alzheimer's disease
- Development of novel immunotherapy targeting pathogenic proteins of ALS

Promotion of Cancer Treatment

- Development of new cancer diagnostics using biomarkers, and to carry out the peptide vaccine treatment
- Gastroenterological cancer treatments based on the anti-cancer drug sensitivity test

Research on Lifestyle-related Diseases

- International cooperative studies and population-based studies on atherosclerosis, hypertension, diabetes and obesity, etc., and to establish the epidemiology research center
- Identification of gene locus susceptible to Type 2 diabetes and its complications
- Search for biomarkers of diabetic nephropathy and visceral obesity

MR Medicine and Molecular Imaging

- Development of molecular imaging probes
- Production of MR-compatible surgical manipulators