ASAHIKAWA MEDICAL UNIVERSITY

旭川医科大学
Asahikawa Medical University

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CONTENTS

Message from the President

A Person Becomes a True Person by Training – Aims of Asahikawa Medical University

Asahikawa Medical University was founded in November 1973 under the "One Prefecture, One Medical School" policy in Japan. Next year, we will celebrate our 50th anniversary. Since the foundation of our university, our educational philosophy has been to nurture prominent medical professionals and researchers, to contribute to the improvement of health and welfare in the local community, and to boost involvement and commitment for the international community. All of our faculty members have been working hard and made achievements in education, research, clinical activities, and have contributed to society. As of April 2022, Asahikawa Medical University has produced 4,621 graduates from the Medical Course and 1,498 graduates from the Nursing Course. They are indispensable in regional medicine in Hokkaido, working actively as medical professionals, researchers, and outstanding leaders both domestically and internationally. While we encountered some challenges originating from the outbreak of COVID-19, on April 1st, 2022, we launched the new university administration, which has been in steady, democratic operation, placing emphasis on education and research as it was at the time of the foundation of our university.

One of the most important missions we as a medical university must conduct is to offer quality medical and nursing education and to nurture excellent and conscientious medical professionals. In order to accomplish that mission, we assign first priority to our students, educating them with utmost care so that they will be acknowledged wherever they work. The study of medicine and nursing is complex, difficult, and the technology available is often insufficient. We must not only acquire the highest level of knowledge that medical and nursing studies have reached so far, but also contribute to develop it further by ourselves, which will be achieved through continuous research activities. Our university attempts to instill research-mindedness in our students. I believe that research activities conducted in our university and the spirit of scientific exploration are the key to raising the levels of our educational activities, medical activities conducted by graduates from our university, and our sense of ethics.

A university is an "egg incubator" for faculty members and students. While our university is small, consisting of only two courses, the Medical and Nursing Courses, we can take advantage of its size. I believe that, with all of our faculty members and students cooperating harmoniously, our university will be the best incubator ever. In *The Treasury of the True Dharma Eye: Record of Things Heard*, a collection of Dharma talks given by Dōgen, a Japanese Buddhist priest in the 13th century and founder of the Sōtō school, one of his ideas was introduced: "Although each individual inherently possesses the Way, the gaining of it depends on all the monks studying together." That shows that, in order to understand the truth, we must learn together with fellow students and teachers. We must keep in mind that "A jewel becomes an object of beauty by polishing; a person becomes a true person by training."

The northern and eastern parts of Hokkaido are experiencing profound social changes such as a decrease in the number of people and aging populations. Asahikawa Medical University will work hard to offer people in those areas the best and most advanced medicine at any time to help them feel safe and secure. Although the problems are incredibly difficult, we will pave the way for the solutions. That is extremely crucial for the future of Japan and all over the world. We will strive to meet the expectations of everyone in our local communities and the world. We appreciate your support and encouragement.

Eighth President
NISHIKAWA Yuji
Since April 1, 2022

Educational Philosophy and Objectives

Undergraduate

Educational Philosophy

To nurture medical care professionals and researchers who have a true sense of compassion and broad academic perspectives, who uphold the dignity of life and have high ethical standards, and who strive to acquire a high level of knowledge and techniques. To educate medical care professionals who contribute to the improvement of health and welfare in the local community. To train medical and nursing students to fulfill a constructive role in the international community through education, research, and health-care activities.

Educational Objectives

To put its educational philosophy in practice, Asahikawa Medical University sets forth the following objectives:

1. To produce health-care professionals with a well-rounded character through the cultivation of cultured minds and morals.
2. To develop students' understanding of the dignity of life and medical ethics, and establish compassion for the disabled and diseased.
3. To have students acquire highly specialized knowledge and balanced medical skills as well as the ability to learn and study throughout their life.
4. To enhance students' ability to communicate openly and effectively for medical collaboration and safety management.
5. To foster a better understanding of the health and welfare in the local community and remote rural areas to meet the needs of residents there.
6. To broaden horizons and boost involvement and commitment for the international community.

Graduate School

Philosophy

1. To contribute, as a medical graduate school, to the comprehensive development of medical science and nursing science through various basic and clinical studies.
2. To advance knowledge through sincere efforts in research, seeking deeply for the truth with a spirit of independence, autonomy, and responsibility.
3. To produce a diverse and balanced educational curriculum that fosters excellent researchers and highly specialized medical individuals with cultured minds, deep compassion and respect for human dignity and rights, and strict medical ethics.
4. The graduate school is open to everyone. Our ethos is to help local communities and cooperate with communities around the world. We will promote medical welfare and foster harmony among societies around the world.

Educational Objectives

Medical Ph.D. Course	To produce medical educators and researchers with creativity, deep compassion and respect for human dignity and rights, and strict medical ethics.
	To produce highly specialized professionals with leading roles in enhancing medical welfare in the local community.
	To produce doctors and nurses who can work in a global environment and share their universal values.
Master's in Nursing Course	To produce nursing educators and researchers with deep compassion and respect for human dignity and rights, research competence, and medical ethics.
	To produce nursing professionals with superior problem-solving abilities and leadership.
	To produce nursing professionals with the ability to contribute to local health care, medicine, and welfare through nursing activities.

Redefined Missions

We redefined our missions after discussion with the Ministry of Education, Culture, Sports, Science and Technology. We looked at our strengths, characteristics, and social roles and took into account objective data concerning levels of research, educational achievement, and university-industry collaboration. Based on the redefined missions, we aim to fulfill our social responsibilities by strengthening our unique characteristics, developing education, research, and medicine, and fostering motivated medical professionals.

Medical Science

- ✓ Based on our founding principles, we aim to actively nurture prospective doctors and researchers capable of contributing to medical and welfare improvement rooted in community medicine, and to promote the admission of students who are strong-willed and determined to devote themselves to community medicine, collaborating with high schools and medical organizations in Hokkaido.
- ✓ We aim to promote unique and distinctive research, develop new medical technology, enhance medical standards, nurture individuals for future generations, making the utmost of research rooted in regional medicine, including telemedicine-related research—an area of research which is of particular importance in Hokkaido, as well as cerebral functional medical engineering research for aging societies.
- ✓ We intend to create innovations from Japan and put theory into practice by strongly promoting the transfer of basic research achievements into clinical practice.
- ✓ We endeavor to contribute to the solution of the problem of the uneven distribution of doctors across Hokkaido by cooperating with the prefecture and seamlessly fostering career formation and producing doctors who will work in Hokkaido.
- ✓ We aim to fulfill a central role in regional medicine serving as a regional cancer care coordination core hospital, a critical care center, a regional perinatal medical center, and a disaster base hospital.

Nursing Science

- ✓ Based on our founding principles, we aspire to nurture prospective nursing professionals that have deep compassion and respect for human dignity and rights and the ability to think and who will contribute to medical and welfare improvements rooted in community medicine. We plan to introduce the Objective Structured Clinical Examination (OSCE) to evaluate their learning performance before they commence nursing practice, and to enhance their academic experience by improving the curriculum and learning environment to meet their desire to learn.
- ✓ We aim to produce highly advanced professionals, including nurses specialized in cancer, capable of dealing with the elderly. We want to foster individuals with strong leadership skills, and to contribute to health care in local areas including the northern and eastern parts of Hokkaido, solving the problem of the lack of nurses by providing support to nurses who have temporarily left their jobs to help them return to work.
- ✓ We want to contribute to the general health of local residents, including the northern and eastern parts of Hokkaido, with its vast geography and severe climate, making the utmost of telenursing-related research, and to contribute to our global society, fostering global-minded medical professionals with experience in training medical personnel in health administration who have knowledge of maternal and child health in developing countries.

Asahikawa Medical University's Fundamental Objectives (Fourth Medium Term)

Based on our founding principles to produce individuals to be involved in regional medicine, Asahikawa Medical University, aiming to further develop education, research, and medicine, to nurture devoted medical professionals, and to contribute to society, has the following basic objectives.

1. To provide education to enhance deep compassion and respect for human dignity and foster basic abilities to help students become medical professionals with global perspectives who have practical abilities as well as having abilities to do research.
2. To cultivate research-mindedness and encourage unique and quality research.
3. To activate local communities through co-creation with stakeholders.
4. To enrich regional medicine, promote advanced medicine, and provide safe and high-level medical care by cooperating with multiple professions.
5. To check and review university governance and establish a stable financial underpinning.

Diploma Policy

School of Medicine (Doctor of Medicine Degree)

The School of Medicine at Asahikawa Medical University grants a Doctor of Medicine degree to those who have completed the academic requirements in the curriculum in accordance with the educational objectives and obtained the following:

Attitudes—A Sense of Ethics and Professionalism

1. A respect for the dignity of life, understanding of medical ethics, and a positive attitude toward medical practices based on a team approach to medicine

Knowledge—Adequate Knowledge about Medical Science and Related Fields and the Ability for Lifelong Learning

1. A broad knowledge of liberal arts and fundamental knowledge of basic, clinical, and social medicine and to be able to explain the necessity of lifelong learning and its methodology for its application to medical practices

Skills—Holistic Medical Skills, Basic Consultation Skills, and Practical Clinical Skills

1. The ability to communicate with patients and their families with deep compassion and respect
2. The ability to help patients maintain and enhance their health appropriately through a thorough understanding of them, and to have the ability to offer clinical care
3. The ability to plan medical treatments for acute / chronic medical problems on the basis of the principles of safe consultations and treatments

Thinking and Judgement—Problem-Solving Abilities, Developmental Consultation Abilities, and Research Abilities

1. An understanding of the significance of research on basic, clinical, and social medicine, and to be able to apply it to actual medical settings, objectively collecting and evaluating scientific information
2. The ability to draw up logically and ethically valid research plans in order to create and spread innovative information

Willingness—Ability to Contribute to Communities in Japan and Throughout the World

1. The ability to understand the necessity and methodology of our contribution to domestic and international communities through medical practices and research, and to understand social needs related to medical treatments

School of Nursing (Bachelor's Degree)

The School of Nursing at Asahikawa Medical University grants a Bachelor of Nursing degree to those who have completed the academic requirements in the curriculum in accordance with the educational objectives and have obtained the following characteristics:

Attitudes—Fulfillment of Social Roles in Nursing Based on Ethics

1. An attitude toward sincere and sensible nursing practices rooted in high ethical standards
2. An attitude toward nursing practices with the awareness of nurses' mission in society

Willingness—Ability to Contribute to Domestic Communities and Communities Around the World

1. The willingness to solve problems through nursing practices and research based on social needs related to medical treatments, health care, and welfare in domestic communities and those around the world
2. The devotion to train themselves continually as nursing professionals

Knowledge—Adequate Knowledge about Nursing Science and Related Fields and the Ability for Lifelong Learning

1. A broad knowledge of liberal arts and specialist knowledge of nursing

Thinking and Judgment—Problem-Solving Ability, Developmental Thinking Ability, and Research Ability

1. The ability to recognize nursing problems from a research perspective and the thinking ability to solve the problems

Nursing and Communication Skills—Evidence-based, Practical, Basic Nursing Skills

1. The skills to conduct evidence-based basic nursing practices and communication skills according to each patient's life stage and health assessment

The Graduate School of Medical Science
(Ph.D. Courses: Clinical Research Course and Research Course)

The Graduate School of Medical Science at Asahikawa Medical University grants a Ph.D. degree to those who have completed the academic requirements in the curriculum in accordance with the educational objectives, passed the thesis examinations, and attained the following:

Attitudes—A Sense of Ethics and Professionalism

Clinical Research Course
1. A respect for the dignity of life, understanding of medical and research ethics, and the ability to conduct highly advanced medical practices based on a team approach to medicine
2. A willingness to find and explore problems responsibly

Research Course
1. A respect for the dignity of life, understanding of medical and research ethics, the ability to implement basic research with a respectful and ethical spirit, and an attitude toward recognizing and solving problems by themselves and conducting world-class, high quality research, inspiring specialists in related fields

Knowledge—Adequate Knowledge about Medical Science and Related Fields and the Ability for Lifelong Learning

Clinical Research Course
1. A specialized knowledge of clinical and social medicine grounded in basic medicine so as to conduct actual medical treatments and research
2. An understanding of the necessity of lifelong learning and its methodology

Research Course
1. A deep and broad knowledge of basic medical research, basic medical knowledge about the relationship between one's own basic medical research and its related fields so as to conduct actual cutting-edge research
2. An understanding of the necessity of lifelong learning and its methodology

Skills—Holistic Medical Skills, Basic Consultation Skills, Practical Clinical Skills, and Research Conducting Skills

Clinical Research Course
1. Compassion, Respect, and Understanding for Patients and their Families and the ability to communicate with them to help them maintain and enhance their health in an appropriate manner, and practical abilities to offer clinical care
2. The ability to conduct clinical research, highly specialized diagnoses and treatments

Research Course
1. An intellectual curiosity originating in a profound compassion and respect for human dignity and rights, and the ability to implement professional and distinctive basic research

Thinking and Judgement—Problem-Solving Ability, Developmental Consultation Ability, and Research Ability

Clinical Research Course
1. An understanding of the significance of research on basic, clinical, and social medicine by collecting and objectively evaluating scientific information and applying such information to actual medical settings
2. The ability to explore unsolved questions in a logical and scientific manner

Research Course
1. An understanding of the significance of the research on basic medicine, collecting and objectively evaluating scientific information, and applying such information to one's own research
2. The ability to pursue unsolved problems with a logical, scientific, and exploratory mind

Willingness—Ability to Contribute to Domestic Communities and Communities Around the world

Clinical Research Course
1. An understanding of social needs for medical treatments and to be able to contribute to domestic and international communities through clinical research and professional medical practices

Research Course
1. The ability to contribute to the medical and clinical development of domestic communities and those overseas by undertaking basic medical research activities

The Graduate School of Nursing Science at Asahikawa Medical University Medical Related Research Diploma Policy

We aim to foster graduates with:

1. A deep knowledge of nursing and interdisciplinary fields, high ethical standards, a willingness to solve problems, and problem-solving abilities based on expertise knowledge and skills and scientific evidence.
2. Profound compassion and respect for human dignity and rights, and the professional practical ability to support those in need from their perspectives.
3. Logical thinking and the ability to conduct research on nursing phenomena and practical skills in health and medical care and welfare settings.
4. The ability to cooperate and collaborate with interdisciplinary teams contributing to the improvement of health and medical care and welfare by conducting advanced nursing practice and research both domestically and internationally.
5. The willingness to work in a medical team and to improve the quality of nursing care and the highly advanced professional ability to practice evidence-based, analytic and scientific nursing practice.

Curriculum Policy

Medical Course of the School of Medicine (Doctor of Medicine Degree)

The Medical Course of the School of Medicine at Asahikawa Medical University offers a curriculum with four types of programs and encourages their systematic completion: the Basic Liberal Arts Program for a broad understanding of various value systems found in medical fields, the ICM (Introduction to Clinical Medicine) Program for the cultivation of professionalism and acquisition of introductory knowledge and skills across related fields of clinical medicine and the Basic and Clinical Medicine Programs for more advanced practical knowledge and skills. The Medical Course reorganized the Compulsory Elective Courses I and II in the ICM Program, adjusting its curriculum to reflect rapid progress in basic and clinical medicine.

The Medical Course designs the curriculum and makes explicit the above policy. In addition, students are expected to attain the following:

Attitudes—A Sense of Ethics and Professionalism

✓ A respect for the dignity of life, understanding of medical ethics, and a positive attitude toward medical practices based on team-approach medicine.

1. To help understand ethical principles as medical professionals, Introduction to Medical Science I – IV are included in the ICM Program for the first year for students to enhance their systematic learning.

Knowledge—Adequate Knowledge about Medical Science and Related Fields and the Ability for Lifelong Learning

✓ A broad knowledge of liberal arts and basic knowledge of basic, clinical, and social medicine and understanding of the necessity of lifelong learning and its realization in order to apply this knowledge.

2. The classes in the Basic Liberal Arts Program, aiming to help acquire a broad knowledge on culture, society, nature, and various value systems, are optional.
3. For cultivation of professionalism and acquisition of introductory knowledge and skills across related fields of clinical medicine, the classes in the ICM Program are compulsory.
4. In order to be able to develop a self-motivated learning style and enhance active learning and a solid understanding of one's specialized field, in addition to the lecture-style and practice-style Basic Liberal Arts Program and Basic and Clinical Medicine Programs, the seminar-styled Tutorial System in Medicine I –V in the ICM Program is taken systematically beginning in the freshman year.

Skills—Holistic Medical Skills, Basic Consultation Skills, and Practical Clinical Skills

✓ A deep compassion and respect for patients and their families and the ability to communicate with them.
✓ An understanding of patients that helps them maintain and enhance their health in an appropriate manner, and basic abilities to offer.clinical care
✓ The ability to plan medical treatments for acute/chronic medical problems on the basis of the principles of consultations and safe treatments.

5. Practice in Psychology and Communication, a subject in the Basic Medicine Program to facilitate medical communication based on psychological understanding, is offered in the freshman year.
6. In order to help understand medical principles of diagnoses and treatments based on major symptoms, Symptomatology is offered in the first year, and Tutorial System in Medicine III - IV in the ICM Program and Clinical Symptoms and Problems in the Clinical Medicine Program are linked and offered in the senior year.
7. In order to help acquire basic diagnostic abilities and clinical reasoning abilities necessary for bedside learning, Introduction to Clinical Clerkship in the Clinical Medicine Program and Tutorial System in Medicine V in the ICM Program that is taught in a team-based learning style are linked and offered in the senior year.
8. Bedside learning is offered in the fourth and fifth years by rotating all the clinical subjects, and, in the fifth and sixth years, it is offered in the form of a clinical clerkship as a required subject held on a four-week basis mainly in the basic clinical departments.

Thinking and Judgement—Problem-solving Ability, Developmental Consultation Ability, and Research Ability

✓ An understanding of the significance of research in basic, clinical, and social medicine, and to be able to apply it to actual medical settings, objectively collecting and evaluating scientific information
✓ The ability to draw up logically and ethically valid research plans in order to spread innovative information.

9. The following subjects (the first three in the Basic Liberal Arts Program and latter eight in the Basic Medicine Program) are offered systematically in the first year: Laboratory Course in Basic Biology, Laboratory Course in Medical Physics, Laboratory Course in Basic Chemistry; Laboratory Course in Biochemistry, Laboratory Course in Human Anatomy I and II, Laboratory Course in Physiology, Laboratory Course in Pharmacology, Laboratory Course in Microbiology, Laboratory Course in Parasitology, Practice in Hygiene and Public Health, and Laboratory Course in Forensic Medicine.
10. Clinical Epidemiology is included in the Clinical Medicine Program to apply information from clinical science to research, and Medical Research Special Seminar, a seminar in the ICM program, is offered in the fourth year to help enhance the abilities of medical researchers by providing activities in which students apply various types of knowledge acquired to solving real problems.

Willingness—Ability to Contribute to Communities in Japan and Throughout the World

✓ The ability to understand the necessity and methodology for the contribution to domestic and global communities through medical practice and research, and an understanding of social needs related to medical treatment.

11. In order to help acquire, beginning systematically in the first year, the ability to contribute to local and international communities, the following subjects are included in the ICM Program and the Clinical Medicine Program: Community Medicine: lectures about the problems of regional medicine, especially in regions in Hokkaido, and Medicine for People with Disabilities to learn the medical needs of vulnerable people in the local area.
12. In order to help learn how to contribute to the international community through medical research, Medical Research Special Seminar is offered in the fourth year.

Policy on Evaluating Academic Achievement

1. Academic achievement will be evaluated based on examinations, papers, and classroom tasks in lectures. In seminars and practical training, it will be based on comprehensive results of tasks and papers. In Medical Research Special Seminar, achievement will be evaluated based on participation and presentations of research activities. In bedside learning, it will be evaluated based on the criteria of each department, such as rubric evaluation methods and papers.
2. Goal achievement at the time of graduation, competency-based assessments, comprehensive evaluation of knowledge, skills, and attitude will be based on the Evaluation List Corresponding to Competency in the Medical Course.
3. To improve our medical education, we continuously review our curriculum. The procedure is indicated in the Assessment Policy.

Nursing Course of the School of Medicine (Bachelor's Degree)

The Nursing Course of the School of Medicine at Asahikawa Medical University, to meet newly-arising social needs in medical and nursing sciences such as the advent of an aging society and rapid advances in medical care, conducts basic education in nursing science to produce nursing professionals with practical nursing abilities supported by a broad knowledge of liberal arts. The course also offers optional subjects for those who wish to be public health nurses and midwives.

The Nursing Course of the School of Medicine at Asahikawa Medical University offers a curriculum with three types of programs and encourages their systematic completion: General Basic Subjects, Basic Specialized Subjects, and Specialized Subjects. Specialized Subjects consist of three stages: Basics of Nursing Science, Characteristics of Nursing and Nursing Science, and Development and Exploration of Nursing Science. It also offers Community-based Integrated Care Ⅰ to Ⅳ in each academic year and a Community-based Integrated Care Practicum in the third year.

The Nursing Course aims to produce practical nursing individuals with developmental and systematic education combining the teaching methods of lectures, seminars, and practical training.

We, in the Nursing Course, have designed this curriculum which makes explicit the policy above, as well as requiring the following:

Attitudes—Fulfillment of Social Roles in Nursing Based on Ethics

✓ A sincere attitude focusing on practical nursing rooted in high ethical standards.
✓ An attitude toward nursing practices with the awareness of nurses' missions in serving their communities.

1. In order to help understand medical ethics required for nursing professionals, Introduction to Nursing Science, Communication Theory, and Theories of Lifespan Development are offered in the first year and Medical Ethics in the second year.
2. In order to help students prepare for nursing practice as a member of a medical team Early Practical Training I is offered for first year experience in the first year as well as Early Practical Training II in the second year.
3. In order to help students feel awe and respect for human physiology and to raise a sense of awareness and responsibility as medical professionals, the Applied Physiology Laboratory Course is offered.
4. In order to help students acquire an appropriate attitude as nursing professionals, Freshman Seminar is offered in the first year, Clinical Training for Nurses throughout the four years and the Comprehensive Nursing Practicum is offered in the fourth year.

Willingness—Ability to Contribute to Communities in Japan and Throughout the World

✓ The willingness to solve problems through nursing practices and research based on social needs. related to medical treatments, health care, and welfare in Japan and communities throughout the world
✓ The devotion to train themselves continually as nursing professionals.

5. In order to help students acquire learning skills required in the undergraduate course, Freshman Seminar is offered in the first year for first year experience, improving student motivation.
6. In order to help students become interested in regional medicine and explore medical needs specific to Hokkaido, Early Exposure I and II are offered in the first and second years, giving students opportunities to practice nursing in neighboring areas and districts.
7. In order to help students explore and learn how to support those living in their home communities, Community-based Integrated Care I – IV are offered during the four years.
8. In order to enhance the ability to help local and overseas communities through nursing practices and research, Community Nursing is offered in the first year, English Reading Seminar in the third year and International Health and Disaster Nursing in the fourth year.

Knowledge—Adequate Knowledge about Nursing Science and Related Fields and the Ability for Lifelong Learning

✓ A broad knowledge of liberal arts and a specialist knowledge of nursing.

9. Various optional Liberal Arts classes in the category of General Basic Subjects are offered, such as an Introduction to Japanese Sign Language. These classes focus on understanding patients with diverse needs and aim to help students acquire a broad knowledge of society, nature, and various culture and value systems. Required classes include Freshman Seminar and Information Literacy to help students acquire learning skills and form a career vision.
10. In order to understand human beings not only as biological organisms, but as people who exist within a society, students are required to take classes in Basic Specialized Subjects, which include classes on the human body and mind, which are offered in the first year, and classes on diseases, treatments, and pharmacology are offered in the second year. In order to understand health, medicine, and the welfare of groups of people and communities, Health, Medical, and Welfare System is offered in the third year.
11. In order to help students acquire a wide range of knowledge on clinical care, fundamental knowledge on nursing science, and a range of subjects on the developmental features of human beings and nursing treatments, we offer in the second and third years Adult Nursing I (Health Condition and Nursing Care), Adult Nursing II (Health Disorder and Nursing Care), Gerontological Nursing I (The Elderly and Nursing Care), Gerontological Nursing II (Life Impairment in Late Life and Nursing Care), Pediatric Nursing, Maternity Nursing, and Psychiatric Nursing. To explore nursing practice in depth, we also offer as compulsory classes Home Care Nursing, Cancer Nursing, and Team Medical Care and Rehabilitation Nursing. For elective classes, we offer Dementia Care, Critical Care Nursing, Cancer Nursing II (Cancer Survivorship), Cancer Nursing III (End of Life Care). These are available in the third and fourth years. In addition, we offer compulsory classes for the public health nurse course and the midwife course, enabling students to learn both basic and advanced knowledge in public health nursing and midwifery during the four years.

Thinking and Judgment – Problem-Solving Ability, Developmental Thinking Ability, and Research Ability

✓ The ability to examine nursing questions and problems from a research perspective and the ability to solve these issues.

12. In order to foster critical thinking, Freshman Seminar, in which students acquire learning skills through group work, role play, presentation, etc., is offered in the first year. In the second year, Basic Nursing Skills IV, in which students practice the nursing process based on a problem-solving approach, Physical Assessment for Nursing, in which students learn how to assess patients' health status, and Health Statistics, in which students learn how to deal with medical statistics, are offered. In the third year we offer Epidemiology, in which students understand health phenomena of individuals, groups, and local communities.
13. In order to help acquire basic abilities to apply knowledge gained throughout actual nursing settings, Freshman Seminar is offered in the first year, Nursing Research in the third year, and Advanced Nursing Research in the fourth year.

Skills and Communication – Evidence-based, Practical, Basic Nursing Skills

✓ The skills to conduct evidence-based basic nursing practices and communication skills according to each patient's life stage and health assessment.

14. Basic Nursing I, II, III, and IV and Physical Assessment for Nursing are offered in the first and second years so that students can acquire basic nursing skills. Basic Nursing Training I is offered in the first year to help students understand patients' daily lives and nursing in general. Basic Nursing Training II is offered in the second year to provide students with opportunities to practice the nursing process.
15. Training subjects, such as Advanced Nursing Skills I (Adult Nursing) and II (Psychiatric, Maternity, and Pediatric Nursing) are offered in the third year and Advanced Nursing Skills III (Gerontological and Home Care Nursing) in the fourth year to teach nursing skills integrated with knowledge about nursing science that has been gained though the classes in each field in the second year and to teach practical nursing abilities.
16. The curriculum is designed for students to take the OSCE test (Objective Structured Clinical Examination) in the third year to ensure their knowledge and skills before participating in Clinical Training for Nurses. It also offers nursing training in specialized areas in the third and fourth years for individual nursing practice, so students understand the characteristics of patients' life stages and their health issues.
17. Comprehensive Nursing Practicum; the opportunity in which students are involved in training held at night and with multiple patients, is offered in the fourth year to further improve practical nursing abilities.

Policy on Evaluating Academic Achievement

1. Academic achievement will be evaluated based on examinations, papers, and classroom tasks in lectures. In seminars and practical training, it will be based on comprehensive results of tasks and papers. In Nursing Research, the achievement will be evaluated based on participation and presentations of research activities. In Clinical Training for Nurses, it will be evaluated based on the criteria of each department, such as rubric evaluation methods and papers.
2. Goal achievement at the time of graduation, competency-based assessments, comprehensive evaluation of knowledge, skills, and attitude will be based on the Evaluation List Corresponding to Competency in the Nursing Course.
3. To improve our nursing education, we continuously review our curriculum. The procedure is indicated in the Assessment Policy.

The Graduate School of Medical Science (Ph.D. Degree)

The Graduate School of Medical Science at Asahikawa Medical University (Ph.D. degree) offers two courses: the Research Course, in which students aim to conduct cutting-edge research in their specialized fields, and Clinical Research Course, in which students foster their abilities to advance clinical research and tests. In both courses, professors in the same field of research provide individual guidance to students' research. Students are engaged in research activities in a liberal and academic atmosphere, acquiring attitudes, knowledge, skills, thinking and judgment abilities through Advanced Lectures, Advanced Medical Practice, and Advanced Experiment and Practice on a step-by-step basis according to the progress of students' research. By achieving the goal of research and writing up a doctoral dissertation, students will feel a sense of accomplishment and become motivated to continuously contribute to local communities and international societies. At the same time, through participating in a series of two-year lectures beginning in the first year (Advanced Medical Science, Foundation of Medical Science, and Medical Thesis), students can communicate with other researchers in the university and acquire the ability to carry out medical research: essential basic knowledge, broad application knowledge, and a grounding in ethics as researchers. Our comprehensive and systematic education produces individuals ready to take leading roles in supporting future medical science and meeting the needs of societies.

Although students must choose one of the two courses at first, they can switch to the other course as their research is being conducted. If found to be beneficial to their research, they can be advised by other professors at the graduate school and visit other institutes such as graduate schools and research laboratories, domestic or international, to deepen their research. Students can start their research activities at the graduate school in their first year of being a junior resident. By taking online lectures available on the website of the graduate school as well as taking lectures at our university, they can complete some classes based on their research and training schedules. The graduate school makes every effort to foster students' active learning and provide a flexible curriculum.

Academic achievement will be evaluated based on predetermined criteria in general classes, specialized classes, and a doctoral dissertation. The doctoral dissertation will be evaluated in the following procedure; examination by a dissertation committee organized by the board of the graduate school and presentation at a defense.

The Graduate School of Nursing Science (Master's Degree)

The Graduate School of Nursing Science at the Medical Related Research of Asahikawa Medical University offers a systematic curriculum that produces highly advanced medical professionals in nursing who have expertise and knowledge on health, medicine, and welfare, a high sense of ethics, and perspectives from various disciplines, so that they can conduct evidence-based practice and research in order to solve health issues.

The Master's Thesis Course offers general education subjects to help acquire basic knowledge on research, and students will develop abilities to conduct research activities through Advanced Lecture, Advanced Nursing Practice, and Advanced Research.

The Advanced Practice Course offers general education subjects and specialized subjects on cancer nursing and is designed to develop students' highly professional knowledge and practical abilities required for being a certified nurse specialist in cancer nursing and gerontological nursing, developing practical abilities in highly advanced nursing.

Academic achievement will be evaluated based on the diploma policy and the purpose and goal of each class. Evaluation targets, including oral presentations, class discussion, papers, and written tests, may vary depending on individual classes.

In order to submit an outstanding master's thesis written in an evidence-based methodology, students will be provided with appropriate advice and guidance as indicated in a research guidance plan.

The progress of research for the master's thesis and the advanced project will be checked in research plan presentations to be held each year.

Based on thesis evaluation specific criteria, the master's thesis will be evaluated and judged whether it is satisfactory.

Admission Policy

The following is the admission policy based on our educational philosophy and objectives.

Asahikawa Medical University seeks those students who are aptly suited for careers as doctors and nurses, who have an interest in the local community, and who have the motivation and vigor required to recognize and solve problems.

Undergraduate

◯ The Students We Seek

I . Propensity for Careers as Doctors and Nurses

- ✓ Respect for all forms of life;
- ✓ The autonomy to act responsibly according to social norms and morals;
- ✓ Respect and consideration for others;
- ✓ The social abilities to build favorable interpersonal relationships between diverse people;
- ✓ The determination to become educated in various fields of scholarship;
- ✓ The ability to continue learning to become well-informed of updated knowledge and skills;
- ✓ Having qualities to practice team-based medicine

II. Interest in Local and Global Communities

- ✓ A deep attachment to their own local communities and residents;
- ✓ The determination to contribute to their local communities and societies as a whole with global perspectives

III. Motivation and Vigor to Recognize and Solve Problems

- ✓ The abilities to recognize problems correctly by logically applying their knowledge and skills from a bird's-eye view and try to solve the problems

◯ Qualities New Students Are Expected to Have Acquired

[Interest, Willingness, and Attitude]
Genuine wish to be considerate to others and contribute to society as future doctors and nurses

[Knowledge and Skills]
Basic academic abilities to learn medicine and nursing, problem-identification skills, and abilities to apply knowledge

[Thinking, Judgment, and Expressiveness]
Ability to think logically and make a reasonable judgement necessary to identify and solve problems, and ability to communicate orally and in writing effectively

[Autonomy, Diversity, and Cooperativeness]
Self-analysis ability and qualities to cooperate with others and build favorable relationships, and experience of autonomous activities, such as comprehensive learning periods and extracurricular activities in high school

It is desirable to have acquired the following knowledge and skills in each subject in secondary education:

[Japanese]	Correct comprehension of others and appropriate expression of one's opinions in Japanese to build favorable personal relationships.
[Social Studies]	Knowledge of history, geography, and civics, which help to act in society in a responsible and sensible way.
[Math]	Basic mathematical knowledge and the ability to consider and express everyday phenomena mathematically and to make mathematically grounded judgments.
[Science]	The ability to deeply consider natural science in general and to make scientific judgments about everyday phenomena based on one's own knowledge.
[English]	Correct comprehension of others and appropriate expression of one's opinions in English to build favorable personal relationships both in Japan and around the world.

◯ Basic Admission Policy

Below is the table of admission selection methods and evaluation items in each admission type.

Medical Course

	Admission Selection Methods	Evaluation Items: Knowledge and Skills	Thinking, Judgement, and Expression	Interest, willingness and Attitude	Independence, Diversity, and Cooperativity	Note
February and March Exam	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with the knowledge, skills, and abilities to think, judge, and express.
	Individual Test	○	○			
	Interview and School Report			○	○	
International Medical Professionals Course	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with academic ability, a high sense of advancement and ambition, and a strong willingness to contribute to the development of our medicine and medical activities at an international level.
	Essay	○	○			
	Interview and School Report			○	○	
Selective Admission	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with academic ability and a strong willingness to contribute to medicine and societies in Hokkaido.
	Essay	○	○			
	Interview and School Report			○	○	
Selective Admission by Recommendation	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with academic ability and a strong willingness to contribute to medicine in the northern and eastern parts of Hokkaido and the northern and central parts of the Sorachi district.
	Essay	○	○			
	Interview and School Report			○	○	
International Students at Private Expense	Individual Test	○	○			Transcript issued by last school and the result of the Examination for Japanese University Admission for International Students by Japan Student Services Organization will be evaluated comprehensively.
	Interview			○	○	
Transfer Examination (in the Second Year)	Individual Test	○	○			Academic achievement in the last university and qualities gained from work experience will be evaluated. For the International Medical Professionals Course, a positive evaluation will be given to applicants with academic ability, a high sense of advancement and ambition, and a strong willingness to contribute to the development of our medicine and medical activities at an international level. For Selective Admissions, a positive evaluation will be given to applicants with an understanding of regional medicine in Hokkaido and strong willingness to contribute to medicine in Hokkaido.
	Interview			○	○	

Nursing

	Admission Selection Methods	Evaluation Items: Knowledge and Skills	Thinking, Judgement, and Expression	Interest, willingness and Attitude	Independence, Diversity, and Cooperativity	Note
February Exam	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with the knowledge, skills, and the abilities to think, judge, and express.
	Essay	○	○			
	Interview and School Report			○	○	
March Exam	Common Test for University Admissions	○	○			A positive evaluation will be given to applicants with the knowledge, skills, and the abilities to think, judge, and express.
	Interview and School Report			○	○	
By Recommendation	Interview and School Report	○	○	○	○	A positive evaluation will be given to applicants with abilities and aptitude as well as a strong willingness to learn nursing and a determination to perform practice and guidance in specialized nursing fields in the future.
International Students at Private Expense	Individual Test	○	○			Transcript issued by the last school and the result of the Examination for Japanese University Admission for International Students by Japan Student Services Organization will be evaluated comprehensively.
	Interview			○	○	

Graduate School

Ph.D. Course (Medical Science)

We look for students who have:

1. The intellectual curiosity and intention to do research in biomedical science, social medicine, and clinical medicine;
2. The passion to contribute to society though medical and clinical activities;
3. The desire to perform and share research achievements with the world;
4. The academic grounding and logical thinking required to recognize problems for themselves and conduct research;
5. The linguistic abilities required to gather necessary information, write and present papers;
6. The communicative and cooperative abilities to build mutual trusting relationships with others.

Basic Policy of Admission

In order to screen them from multiple perspectives based on the admission policy above, we evaluate applicants comprehensively. We go through the results of examinations to decide whether they have acquired basic academic knowledge, and judge their performance in an interview to consider their aptitude as medical professionals and researchers, and we review their academic transcript.

Master's Course (Nursing Science)

1. Those who have keen awareness of problems and a strong sense of ethics that are willing to solve problems in a logical, evidence-based manner;
2. Those who have basic knowledge in professional areas that they would like to be specialized in;
3. Those who have a true sense of compassion and willingness to play leading roles in education, research, and practice in nursing to contribute to the development of health, medicine, and welfare.
4. Those who have abilities to conduct research and solve problems independently and to communicate to contribute across disciplines to health, medicine, and welfare.
5. Those who are willing to play leading roles in nursing practice and perform research as certified nurse specialists.

Basic Policy of Admission

In order to screen them from multiple perspectives based on the admission policy above, we evaluate applicants comprehensively. We review and essay they have written to judge their abilities to understand, think logically, and express clearly. We analyze their performance in an oral examination about their intended specialized areas to consider the level of their inquiring minds and enthusiasm for research, in addition to reviewing their academic transcript.

Topics

Commemorative Events Ceremony for the 25th Anniversary of the Nursing Course of the School of Medicine at Asahikawa Medical University

On March 5th, 2022, we held, in an online format, the Commemorative Events Ceremony for the 25th Anniversary of the Nursing Course of the School of Medicine at Asahikawa Medical University. This ceremony is one of the commemorative events to be followed by the 30th anniversary in 2026.

At the beginning of the ceremony, then Vice President NISHIKAWA Yuji and the Head of the Nursing Course HATTORI Yukari delivered a speech, and the Head of the Nursing Department of our hospital HARAGUCHI Makiko and professor emeritus KITAMURA Kumiko gave a complimentary speech.

The ceremony announced that the Nursing Course Alumni Association Special Encouragement Prize was awarded to four graduates. On behalf of the prize winners, SAKAI Shuhei, a certified nurse specialist in critical care nursing at our hospital, received a certificate of commendation and a commemorative gift.

After the ceremony, the four prize winners gave an anniversary lecture meeting and symposium, whose theme was "The 25th Anniversary of the Nursing Course: Our Graduates at Present."

Japan's First Multi-center Clinical Trials in Progress – The Machine Perfusion Preservation System Produced with a Local Company to Save More Lives

There are a large number of patients who can only be saved by transplants but there are few donors. To fill the gap, doctors all over the world are using organs from marginal donors and facing the challenge of transplanting. At the same time, more and more research has been conducted in Europe on how to evaluate the viability of transplanting organs and to improve their function. One such method is to preserve an organ in a solution perfused automatically, a technique called machine perfusion preservation. This area of transplant studies has been attracting a great deal of attention in the world.

The Department of Transplantation Technology and Therapeutic Development of Asahikawa Medical University has conducted experiments using the machine perfusion preservation system in collaboration with Tokyo Metropolitan University, the National Center for Child Health and Development, and the Kitami Institute of Technology, and, since 2017, we developed it with Chuo Seiko Co., Ltd. in Asahikawa and Senko Medical Instrument Mfg. Co., Ltd. in Tokyo. We have reported our finding that organs' function can be recovered by appropriate oxygenation and supplementation with oxidative stress inhibitors. In 2020, ethics committees approved multi-center clinical trials to be conducted by Asahikawa Medical University, Tohoku University, Toranomon Hospital, Fujita Health University, and Tokyo Medical University using the machine perfusion preservation system produced for the first time in Japan. The first transplant using the system was conducted in Tohoku University in August 2020, and that was reported in NHK News Ohayo Nippon, a TV program by the Japan Broadcasting Corporation. By January 2022, 11 surgeries were conducted, transplanting dead donors' kidneys preserved by the machine perfusion preservation system. All the patients have discontinued dialysis and have been doing well. Precious organs preserved in our system created in Asahikawa will surely save more lives.

Establishment of Breast Reconstruction Consultation for Outpatients at the Department of Plastic and Reconstructive Surgery

In 2021, we established the Department of Plastic and Reconstructive surgery. Since then, we have been providing breast reconstruction while receiving support and cooperation from doctors in breast surgery. In order to offer information about the surgery to outpatients who are interested and to examine patients who have received the surgery, we established Breast Reconstruction Consultation for Outpatients. Few areas in Hokkaido other than its central part have the facility for breast reconstruction and those who wish for the surgery will encounter the problem of medical service shortage in rural areas. Asahikawa, a central city for northern and eastern Hokkaido, might be regarded as having the same problem. Since the establishment of Breast Reconstruction Consultation for Outpatients, we have been conducting more and more surgeries including artificial breast reconstruction. We expect to develop this field in the future.

Commencement of the Training of Nurses in Specific Medical Procedures

On August 17th, 2021, we were certified by the Ministry of Health, Labour and Welfare as a designated training institution for the training of nurses in specific medical procedures, and we started the training on October 1st, 2021. In 2022, the training has been offered to one intensive care certified nurse.

The training in specific medical procedures is designed to help nurses acquire the abilities to understand, think, and judge for practical applications, as well as to acquire highly advanced and professional knowledge, and to help improve nursing skills, so that nurses can perform specific medical procedures with the help of doctors and dentists as the procedure manuals indicate. Our hospital is an advanced treatment hospital providing high quality medical care as the core hospital for the northern and eastern parts of Hokkaido. Since more and more patients are admitted to our hospital who receive surgeries and check out of the hospital within a short period of time, we must anticipate patients' everyday lives after hospital discharge in terms of regional medicine. We, therefore, chose for our training the domain of management of post-surgery wards. Performing specific medical procedures in a timely and appropriate manner will detect post-surgery anomalies in the early stages and prevent complications. Bringing together in the acute phase the perspectives of medicine, nursing, and quality of life will be crucial for later treatments in regional medicine and in-home medical care.

One of the strengths of our training is our trainers, who are doctors from a wide range of departments including internal medicine, surgery, otolaryngology and head and neck surgery, dermatology, anesthesiology and critical care medicine, emergency, medical security and safety management, highly experienced pharmacists, and nurses working in our hospital that have completed the training of nurses in specific medical procedures. So far, the trainee has been spending a fruitful six months receiving e-learning training and hands-on practice supported by trainers dealing with questions kindly and carefully.


特定行為研修指定研修機関指定証

We hope that a number of excellent nurses complete our training and we will take into consideration the possibility that we will admit local nurses into the training. We as a university hospital will nurture nurses who can offer in-home medical care in the acute phase, contributing to regional medicine and nursing and to the important issue of doctors' work-style reform.

Involvement in the 2020 Tokyo Olympic and Paralympic Games

In July to September in 2021, our country hosted the 2020 Tokyo Olympic and Paralympic Games, in which three doctors and four physical therapists from the Research Committee of Sports and Medical Science at Asahikawa Medical University were involved.

One of the three doctors served as the team doctor for Japan's women's national volleyball team, and the other two as sports physicians at five sites for triathlon, biathlon, para-athletics, sitting volleyball, and wheelchair rugby.

The four physical therapists served as medical staff at two sites for marathon and race walking, and wheelchair rugby. They fully deployed their expertise in the marathon and race walking events held in Sapporo, where the temperature was extremely high, helping prevent heat stroke.

The Research Committee of Sports and Medical Science will continue training to contribute to international sports events as well as to society by providing information in such opportunities as public lectures.

Commencement of Operation of the Triage Center

As a project to build a multi-purpose triage space in a university hospital, we took advantage of subsidies for facility maintenance in national universities (the third supplementary budget in 2020 for facility maintenance in university hospitals), and in September 2021, we established a Triage Center on the hospital site. It is a separate building from our hospital, and normally it is used for multiple purposes. In case of disasters and outbreak of infectious diseases, it is used for medical treatments as a triage space.

With the spread of the highly infectious COVID-19 Omicron variant, an increasing number of patients have been coming to consult doctors at our conventional fever clinic. We conducted trial operations with our hospital's staff and students receiving clinical training that might have been infected and installed the necessary equipment, so that medical treatments for outpatients can be fully completed in the Triage Center. In February 2022, we started full operation of the Triage Center.

Surgical Pathology Awarded ISO15189 Accreditation – Aiming to Become a Base Hospital for Cancer Genomic Medicine

In October 2021, the Surgical Pathology Department at Asahikawa Medical University Hospital was awarded ISO15189 accreditation, following its accreditation from the Medical Laboratory and Blood Center of Asahikawa Medical University Hospital in January.

Medical professionals have been providing cancer genomic medicine, in which, by analyzing cancer tissue, examining more than several hundred genes at the same time, and determining what kind of gene defect might have been a factor in causing cancer in individual patients, medical care is tailored according to the genetic defect. The test to detect a gene defect causing cancer is called a cancer genomic panel test. Since June 2019, this test has been covered by health insurance for cancer without standard therapy, such as cancers of unknown primary origins, rare cancers and childhood cancers. Cancer genomic medicine is available at 12 core hospitals for cancer genomic medicine, which were authorized by the Ministry of Health, Labour and Welfare in 2018, and their associated hospitals, or liaison hospitals for cancer genomic medicine. In 2019, 34 hospitals were selected as base hospitals for cancer genomic medicine. They are positioned in between the core hospitals and the liaison hospitals and they can decide on courses of treatment independently, unlike the liaison hospitals. At the moment, our hospital is a liaison hospital associated with Hokkaido University Hospital. Since Surgical Pathology has been awarded ISO15189 accreditation, one of the criteria to be a core hospital, we will attempt to be promoted. We will continue to provide patients with highly advanced medical treatments as well as safe and secure medical care.

The First Ceremony for the Accreditation of Student Nurses

On November 1st, 2021, we held the First Ceremony for the Accreditation of Student Nurses.

Students in the Nursing Course will be accredited as Student Nurses if they pass the Nursing OSCE, the purpose of which is to help review and integrate knowledge, skills, and attitudes that they learned in nursing classes and practice and acquire practical basic abilities for clinical training starting in the third year.

One important component of the Nursing OSCE is the technical training before the examination. Students aim not only to pass the exam but to fin what they couldn't do and change it to what they can do and to develop what they could do. That will prepare them for clinical training.

Because of the spread of COVID-19 in 2021, the technical training was limited. Our students, however, made strenuous efforts and did their best at the Nursing OSCE.

In the ceremony, Professor Hattori from the Nursing Course conferred on a delegate student the certificate of Student Nurse and a badge, followed by a speech by the student who had created the badge. It was about the design of the badge. The badge has a picture of a Japanese rowan and azalea, the symbol tree and flower of Asahikawa, which conveys the wish to offer nursing care with safety and passion.

Re-accreditation of Evaluation of Hospital Functions

The Evaluation of Hospital Functions is a third-party assessment of medical institutions by the Japan Council for Quality Health Care. The assessment examines in detail patients' rights, quality of medical care, safety, and rationality of hospital management, which are crucial to enhance medical institutions.

After evaluation processes beginning in February 2020, on April 1st, 2022, Asahikawa Medical University Hospital was accredited as appropriately serving fundamental functions. As a university hospital with the accreditation of the evaluation, we will continue to recognize our mission to be compassionate with patients and provide safe and high quality medical care.

Other

- Participation in Taisetsu Anshin *i* Medical Network (since 2014)
- Introduction of Annual Salary Scheme to 10% of the Faculty Members (since 2015)
- Selected as a Base of the Project for Establishing an Open-access-based Center for Sustainable Creation of New Medical Technology for Translational Research Network Program (since 2017)
- Support for Working Cancer Patients by the Cancer Support Center and Public Employment Security Office (since 2017)
- Mentor System (since 2018)
- Introduction of Working Management System and Attendance Management System by Facial Recognition and IC Card (since 2020)

Toward a Vigorous Asahikawa Medical University

Filled with the Joy of Learning and Research, and a Fulfilling Work Environment

Research Activities Topics

Our university transmits information about research achievements in various fields accomplished by our departments. Below is part of the achievements.

Treatment of hepatocellular carcinoma with autologous platelets encapsulating sorafenib or lenvatinib: A novel therapy exploiting tumor-platelet interactions

Hiroki Tanaka

Division of Tumor Pathology, Department of Pathology, Asahikawa Medical University

Hepatocellular carcinoma (HCC) activates platelets through the action of adjacent sinusoidal cells. Activated platelets bind to tumor-associated endothelial cells and release growth factors that promote tumor progression. We hypothesized that platelets encapsulated with tumor inhibitors would function as drug carriers for tumor therapy. We propose a therapeutic strategy for HCC using autologous platelets encapsulating multiple tyrosine kinase inhibitors in a chemically-induced HCC rat model. Sorafenib or lenvatinib was encapsulated in platelets isolated from tumor-bearing rats in vitro. The rats were divided into groups that received repeated intravenous injections (twice a week for 10 weeks) of the following materials: placebo, sorafenib (SOR), lenvatinib (LEN), autologous platelets, autologous platelets encapsulating sorafenib (SOR-PLT) and autologous platelets encapsulating lenvatinib (LEN-PLT). The therapeutic effect was then analyzed by ultrasonography (US) and histopathological analysis. Histopathological and US analysis demonstrated extensive tumor necrosis in the tumor tissue of SOR-PLT or LEN-PLT, but not in other experimental groups. By liquid chromatography-mass spectrometry, more abundant sorafenib was detected in tumor tissues after SOR-PLT administration than in surrounding normal tissues, but no such difference in sorafenib level was observed with SOR administration. Therefore, the use of autologous platelets encapsulating drugs might be a novel therapeutic strategy for HCC.

In: *International Journal of Cancer,* 2022 May 15;150(10):1640-1653. doi: 10.1002/ijc.33915.

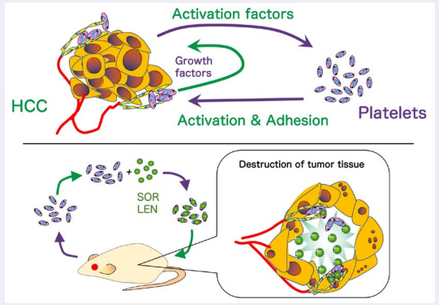


Figure 1

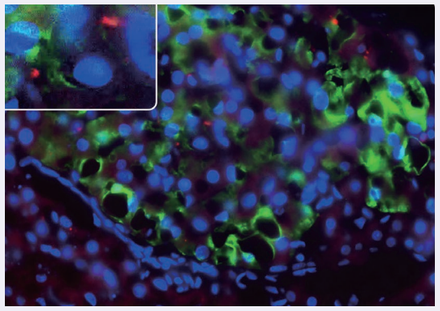
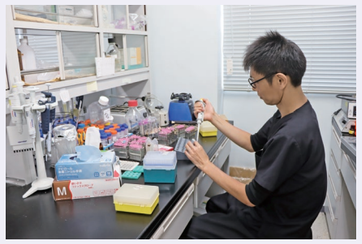
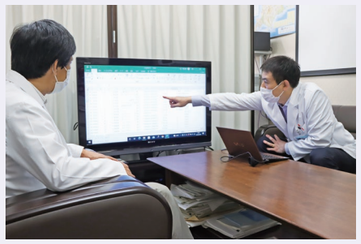


Figure 2 Platelets are observed as red spots in green hepatocellular carcinoma.





CD47 blockade enhances the efficacy of intratumoral STING-targeting therapy by activating phagocytes

Takayuki Ohkuri

Department of Pathology, Asahikawa Medical University

Activation of STING signaling plays an important role in anti-tumor immunity, and we previously reported the anti-tumor effects of STING through accumulation of M1-like macrophages in tumor tissue treated with a STING agonist. However, myeloid cells express SIRPα, an inhibitory receptor for phagocytosis, and its receptor, CD47, is overexpressed in various cancer types. Based on our findings that breast cancer patients with highly expressed CD47 have poor survival, we evaluated the therapeutic efficacy and underlying mechanisms of combination therapy with the STING ligand cGAMP and an antagonistic anti-CD47 mAb using E0771 mouse breast cancer cells. Anti-CD47 mAb monotherapy did not suppress tumor growth in our setting, whereas cGAMP and anti-CD47 mAb combination therapy inhibited tumor growth. The combination therapy enhanced phagocytosis of tumor cells and induced systemic anti-tumor immune responses, which rely on STING and type I IFN signaling. Taken together, our findings indicate that coadministration of cGAMP and an antagonistic anti-CD47 mAb may be promising for effective cancer immunotherapy.

In: *Journal of Experimental Medicine*

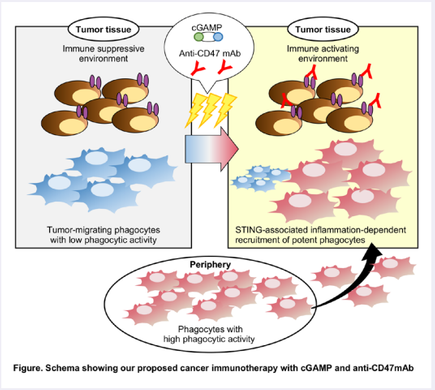


Figure. Schema showing our proposed cancer immunotherapy with cGAMP and anti-CD47mAb

Association between statin use and daptomycin-related musculoskeletal adverse events: A mixed approach combining a meta-analysis and a disproportionality analysis

Masayuki Chuma and Yoshikazu Tasaki

Department of Hospital Pharmacy and Pharmacology, Asahikawa Medical University

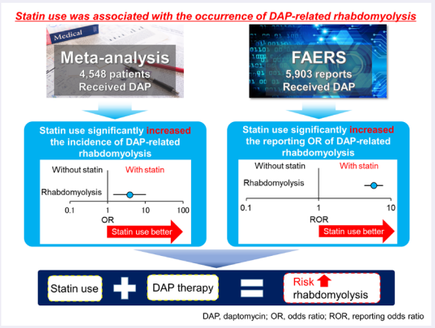
Keywords: daptomycin; disproportionality analysis; meta-analysis; musculoskeletal adverse event; statin.

Background: There is a growing concern about the association between the combined use of daptomycin (DAP) and statins and the occurrence of musculoskeletal adverse events (MAEs), but this remains controversial. This study aimed to clarify the association between statin use and DAP-related MAEs.

Methods: We used a mixed approach that combines two methodologies. First, we conducted a meta-analysis to examine the effects of statin use on DAP-related MAEs. Second, we conducted a disproportionality analysis using the FDA Adverse Events Reporting System (FAERS) to further confirm the results of the meta-analysis and to examine the effect of each type of statin on DAP-related MAEs in a large population.

Results: In the meta-analysis, statin use significantly increased the incidence of DAP-related rhabdomyolysis (odds ratio [OR]: 3.83, 95% confidence interval [CI]: 1.43-10.26) but not DAP-related myopathy (OR: 1.72, 95% CI: 0.95-3.12). In the disproportionality analysis using the FAERS, the use of statin significantly increased the reporting OR (ROR) for DAP-related myopathy (ROR: 5.69, 95% CI: 4.31-7.51) and rhabdomyolysis (ROR: 5.77, 95% CI: 4.33-7.68). Atorvastatin, rosuvastatin, and simvastatin all increased the incidence of DAP-related myopathy and rhabdomyolysis.

Conclusion: The mixed approach combining a meta-analysis and disproportionality analysis showed that statin use was associated with the occurrence of DAP-related rhabdomyolysis. The appropriate use of statins and DAP should be performed with careful consideration of their safety.



In: *Clinical Infectious Diseases*

History

1972 July 1
Executive office for establishing Asahikawa Medical University opened

1973 September 29
Asahikawa Medical University established
November 5
First Entrance Ceremony
November 20
University Foundation Ceremony

1975 April 1
Executive office for establishing University Hospital opened

1976 October 26
University Hospital Opening Ceremony
November 1
University Hospital opened

1979 March 24
First Graduation Ceremony
April 1
Graduate School established

1981 April 1
Central Laboratory for Research and Education established

1983 March 25
First Graduation Ceremony for the Graduate School
June 15
The 10th Anniversary Ceremony

1993 June 11
Funded Department of Clinical Pharmacology (Tsumura; – March 31, 1999)
November 5
The 20th Anniversary Ceremony

1996 April 1
Nursing Course established

1999 April 1
Telemedicine Center established

2000 April 1
Medical Research Graduate Course renamed Medicine-Related Graduate Course
Master's Program in Nursing established in the Medicine-Related Graduate Course

2001 April 25
Department of Genetic Counseling established

2002 April 1
Three Departments of Nursing reorganized into one Department of Nursing
Admissions Office opened

2003 April 1
Department of Hygiene and Department of Public Health reorganized into Department of Health Science
November 5
The 30th Anniversary Ceremony

2004 April 1
National University Corporation Asahikawa Medical University started
Admissions Office reorganized into Admission Center

2005 April 1
Funded Department of Gastro Intestinal Immunology and Regenerative Medicine (– March 31, 2016)
Funded Department of Ocular Tissue Engineering (– December 31, 2021)
August 1
Clinical Laboratory Department and Blood Transfusion Unit merged into the Medical Laboratory and Blood Center
November 1
University Hospital renamed Asahikawa Medical University Hospital

2006 April 1
One Department with two subfields and 12 Departments of Basic Medicine reorganized into five Departments with several subfields and four Departments; 19 Departments of Clinical Medicine reorganized into two Departments with several subfields and 14 Departments
Funded Department of Artificial Joints (– March 31, 2023)
November 8
Education Center established

2008 April 1
Funded Department of Medicine and Engineering Combined Research Institute (– March 31, 2023)
May 15
Respiratory Center in the University Hospital established
September 1
Funded Department of Cardiovascular Regeneration and Innovation (– August 31, 2021)

2009 September 9
Clinical Simulation Center established
December 9
Hospital Admission Center in the University Hospital established

2010 February 17
Department of Regional Medicine and Education established
April 1
Family Support Center established
Funded Department of Cardiovascular Respiratory Frontier of Medical Renovation (– March 31, 2016)

2011 April 1
Center for Advanced Research and Education established
Animal Laboratory for Medical Research, Central Laboratory for Research and Education, and Laboratory for Radioactive Isotope Research reorganized into Department of Technology Support in the Center for Advanced Research and Education
May 1
Physical Medicine and Rehabilitation in the University Hospital established
November 1
Breast Disease Center in the University Hospital established

2012 September 1
Funded Department of Gastroenterology and Hepatology on Co-operative Network (– March 31, 2016)
November 14
Dialysis Room in the University Hospital reorganized into the Dialysis Center

2013 November 5
The 40th Anniversary Ceremony

2015 January 14
Clinical Research Support Center in the University Hospital established

2016 April 1
Division of Cardiovascular Surgery in the Department of Surgery established
April 13
Institutional Research Office established
October 1
Asahikawa Medical University Fund established
Funded Department of Innovative Head and Neck Cancer Research and Treatment (– March 31, 2023)

2017 April 1
Department of Health Science renamed Department of Social Medicine
Funded Department of Community Medicine Management (– March 31, 2023)
May 17
Diagnostic Ultrasonics Imaging Center established
August 1
Funded Department of Transplantation Technology and Therapeutic Development (– July 31, 2022)

2018 March 14
Center for Training Advanced Medical Specialists established
April 1
Joint Research Department of Telemedicine and Telenursing: Establishing the IoT-cloud Based Global Model (– March 31, 2021)
Outpatient Infusion Center renamed Outpatient Chemotherapy Center
April 11
Department of Advanced Medical Science established
May 1
Joint Research Department of Advanced Gastroenterology (– March 31, 2023)
September 5
Division of Gastroenterological and General Surgery reorganized into Division of Hepato-Biliary-Pancreatic and Transplant Surgery and Division of Gastrointestinal Surgery
October 17
Center for Complex New Medical Technology Management established

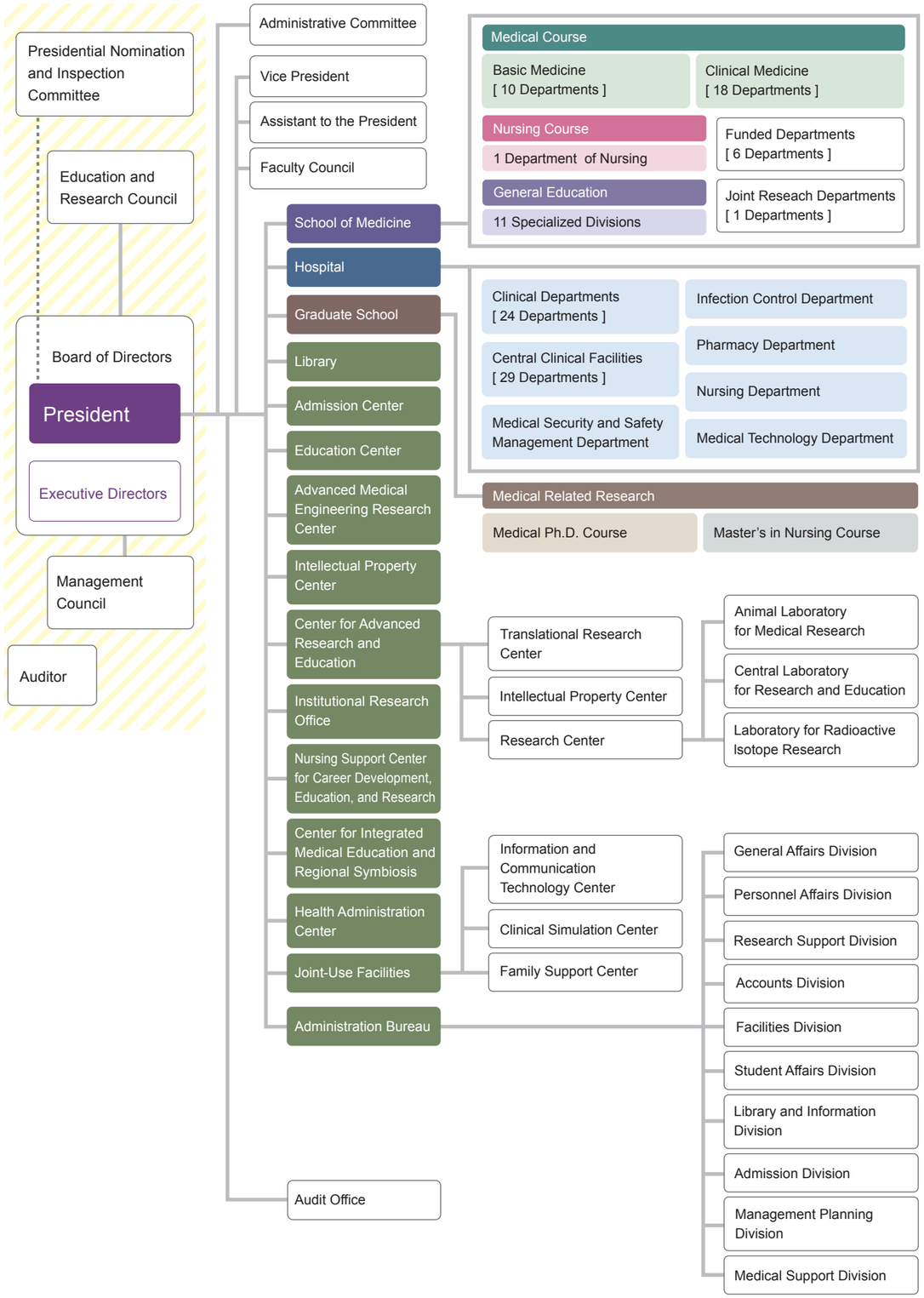
2019 March 27
Nursing Support Center for Career Development, Education, and Research established
April 10
Integrated Medical Education Center established
June 12
Genetic Oncology Department established
October 1
Funded Division of Diabetes and Lifestyle Diseases Prevention and Therapeutics (– September 30, 2021)
October 9
International Medical Educational Institute established
December 18
Stroke Center established

2020 March 1
Research Center for Brain Function and Medical Engineering renamed Advanced Medical Engineering Research Center
May 13
Integrated Medical Education Center renamed Center for Integrated Medical Education and Regional Symbiosis
June 18
Gastroenterology and Endoscopy and Cancer Genomics and Precision Medicine established in the Division of Gastroenterology and Hematology/Oncology
November 11
Internal Medicine II and III reorganized into Internal Medicine (Metabology, Immunology, Gastroenterology, and Hematology)
December 9
Department of Plastic and Reconstructive Surgery established

2021 January 1
Division of Cellular Signal Transduction and Division of Integrated Life Science of Biochemistry reorganized into Biochemistry
October 1
Funded Department of Cardiovascular Regeneration and Advanced Medicine Development established (– September 30, 2024)

2022 March 5
Commemorative Events Ceremony for the 25th Anniversary of the Nursing Course of the School of Medicine at Asahikawa Medical University

Organization Chart



Board and Faculty Members, Successive Presidents

As of July 1, 2022

National University Corporation Asahikawa Medical University

Board Members

President

NISHIKAWA Yuji

Executive Directors

FURUKAWA Hiroyuki
Doctors' Work-life Reform

OKUMURA Toshikatsu
Education and Evaluation

TSUJI Yasuhiro
Finance and Planning

SAKO Kazuhiro
Regional Medicine

Auditors

SUZUKI Yoshiyuki
Administration

OKE Toshimitsu
Finance

Members of the Management Council

NISHIKAWA Yuji
President

FURUKAWA Hiroyuki
Executive Director

OKUMURA Toshikatsu
Executive Director

TSUJI Yasuhiro
Executive Director

HASEBE Naoyuki
Director General of Ebetsu City Hospital

HARADA Naohiko
Board chairman of Asahikawa Shinkin Bank

FUSAGAWA Kiyoshi
Lawyer

SHIRAI Eriko
NPO Collecting and Preserving Literary Materials in Asahikawa

TOGIYA Satoshi
Director of Memuro Public Hospital

Members of the Education and Research Council

NISHIKAWA Yuji
President

FURUKAWA Hiroyuki
Executive Director

OKUMURA Toshikatsu
Executive Director

TSUJI Yasuhiro
Executive Director

SAKO Kazuhiro
Executive Director

KAWABE Junichi
Vice President

MATSUMOTO Seiji
Vice President

HONMA Masaru
Vice President

MIYOSHI Nobuhiro
Director of Library

OKUMURA Toshikatsu
Head of Medical Course

HATTORI Yukari
Head of Nursing Course

SAIJO Yasuaki
Professor of Basic Medicine

AZUMA Nobuyoshi
Professor of Clinical Medicine

ABE Shuko
Professor of Nursing Course

TAKAHASHI Tatsuhisa
Professor of General Education

SASAKI Junzo
Secretary General

Asahikawa Medical University

President

NISHIKAWA Yuji

Vice Presidents

FURUKAWA Hiroyuki
Doctors' Work-life Reform

OKUMURA Toshikatsu
Education and Evaluation

KAWABE Junichi
Research

MATSUMOTO Seiji
IR, University-industry Cooperation

HONMA Masaru
International Affairs, Public Relations

Heads of Courses

OKUMURA Toshikatsu
Head of Medical Course

HATTORI Yukari
Head of Nursing Course

OKUMURA Toshikatsu
Head of Ph.D Course (Medical Science)

HATTORI Yukari
Head of Master's Course (Nursing Science)

Assistant to the President

HATTORI Yukari
Enhancement of Nursing Education

Special Advisors to the President

FUJIO Hitoshi
Editor of the Asahikawa Medical University 50th Anniversary Book

Faculty and Staff

As of July 1, 2022

School of Medicine

Medical Course

Basic Medicine

Anatomy
Professor
YOSHIDA Shigetaka
Professor
WATANABE Tsuyoshi

Physiology
Professor
IRIBE Gentaro
Professor
TAKAKUSAKI Kaoru

Biochemistry
Professor
KAWABE Junichi

Pharmacology
Professor
NAKAYAMA Koh

Pathology
Professor
KOBAYASHI Hiroya

Microbiology and Immunochemistry
Professor
HARA Hideki

Social Medicine
Professor
YOSHIDA Takahiko
Professor
SAIJO Yasuaki

Parasitology
Professor
SAKO Yasuhito

Legal Medicine
Professor
SHIMIZU Keiko

Advanced Medical Science
Professor
FUNAKOSHI Hiroshi

Clinical Medicine

Internal Medicine
Professor
OKUMURA Toshikatsu
Professor
FUJIYA Mikihiro
Professor
MIZUKAMI Yusuke

Psychiatry and Neurology
Professor
HASHIOKA Sadayuki

Pediatrics

Surgery
Professor
AZUMA Nobuyoshi
Professor
KAMIYA Hiroyuki
Professor
SUMI Yasuo

Orthopaedic Surgery
Professor
ITO Hiroshi

Dermatology
Professor
YAMAMOTO Akemi

Renal and Urologic Surgery
Professor
KAKIZAKI Hidehiro

Ophthalmology

Otorhinolaryngology–Head and Neck Surgery

Obstetrics and Gynecology
Professor
KATO Yasuhito

Radiology
Professor
OKIZAKI Atsutaka

Anesthesiology and Critical Care Medicine

Neurosurgery
Professor
KINOSHITA Manabu

Laboratory Medicine

Oral and Maxillo-Facial Surgery
Professor
TAKEKAWA Masanori

Emergency Medicine

Regional Medicine and Education
Professor
NOZU Tsukasa

Clinical Oncology for Local Community Cooperation

Nursing Course

Nursing
Professor
ABE Shuko
Professor
ITO Toshihiro
Professor
OIKAWA Kensuke
Professor
HASEGAWA Hiroaki
Professor
HATTORI Yukari
Professor
HAMADA Tamami
Professor
FUJII Tomoko
Professor
MASUDA Yumiko
Professor
YAMAUCHI Mayumi
Professor
YAMANE Yukiko

General Education

Psychology
Professor
TAKAHASHI Masaharu

Sociology

Mathematics
Professor
TERAMOTO Takashi

Mathematical Information Science
Professor
TAKAHASHI Tatsuhisa

Physics
Professor
HONMA Tatsuya

Chemistry

Biology
Professor
TATENO Hiroyuki

Life Science

English
Professor
MIYOSHI Nobuhiro

Hospital

Director
FURUKAWA Hiroyuki

Deputy Director
Hospital Management
AZUMA Nobuyoshi
Accident Prevention, Medical Equipment
FUJIYA Mikihiro
Outpatient
TAKEKAWA Masanori
Safety Management, Patient Service, Volunteer
HARAGUCHI Makiko

Assistants to Hospital Director
Education of Healthcare Professionals
TASAKI Yoshikazu
Clinical Training
MAKINO Yuichi
COVID-19 Countermeasure and Clinical Ethics
KATO Yasuhito

Clinical Department

Internal Medicine I

Internal Medicine (Metabology, Immunology, Gastroenterology, and Hematology)
Head
OKUMURA Toshikatsu

Psychiatry and Neurology
Head
HASHIOKA Sadayuki

Pediatrics

Surgery (Vascular, Respiratory and Surgical Oncology)
Head
AZUMA Nobuyoshi

Surgery (Cardiovascular)
Head
KAMIYA Hiroyuki

Division of Hepato-Biliary-Pancreatic and Transplant

Division of Gastrointestinal Surgery
Head
SUMI Yasuo

Orthopaedic Surgery
Head
ITO Hiroshi

Dermatology
Head
YAMAMOTO Akemi

Urology
Head
KAKIZAKI Hidehiro

Ophthalmology

Otolaryngology Head and Neck Surgery

Obstetrics and Gynecology
Head
KATO Yasuhito

Radiology
Head
OKIZAKI Atsutaka

Anesthesiology and Critical Care Medicine

Neurosurgery
Head
KINOSHITA Manabu

Oral and Maxillo-Facial Surgery
Head
TAKEKAWA Masanori

Emergency

Physical Medicine and Rehabilitation
Head
OTA Tetsuo

Pathological Diagnosis
Head
TANINO Mishie

Plastic and Reconstructive Surgery
Head
HAYASHI Toshihiko

Head of Outpatient Services
TAKEKAWA Masanori

Department of Endoscopy
Head
OKUMURA Toshikatsu

Tumor Center
Head
SARASHINA Takeo

Respiratory Center

Department of Palliative Care
Head
KANDA Hirotsugu

Breast Diseases Center
Head
KITADA Masahiro

Central Clinical Facilities

Medical Laboratory and Blood Center
Head
OKUMURA Toshikatsu

Surgical Operation
Head
HAYASHI Tatsuya

Clinical Radiology
Head
OKIZAKI Atsutaka

Appliance Management and Supply Center
Head
OTA Tetsuo

Surgical Pathology
Head
TANINO Mishie

Medical Center of Acute Medicine
Head
OKADA Motoi

Intensive Care Unit
Head
KOKITA Naohiro

General Medicine
Head
OKUMURA Toshikatsu

Center for Maternity and Infant Care
Head
NAGAYA Ken

Management Planning
Head
OKIZAKI Atsutaka

Post-Graduate Clinical Training Center
Head
MAKINO Yuichi

Telemedicine Center
Head
HONMA Masaru

Clinical Research Support Center
Head
MATSUMOTO Seiji

Community Health Care Center
Head
FURUKAWA Hiroyuki

Physical Medicine and Rehabilitation Department
Head
OTA Tetsuo

Medical Network Office
Head
FURUKAWA Hiroyuki

Clinical Engineering Office
Head
HAYASHI Tatsuya

Genetic Counselling Office
Head
MAKITA Yoshio

Liver Disorder Consultation and Support Room
Head
SAWADA Koji

Outpatient Chemotherapy Center
Head
SARASHINA Takeo

Nutrition Management Department
Head
OKUMURA Toshikatsu

Hospital Admission Center
Head
OKUMURA Toshikatsu

Dialysis Center
Head
NAKAGAWA Naoki

Diagnostic Ultrasonics Imaging Center
Head
AKASAKA Kazumi

Center for Training Advanced Medical Specialists
Head
SATO Nobuyuki

Center for Complex New Medical Technology Management established
Head
KAMIYA Hiroyuki

Genetic Oncology Department
Head
MIZUKAMI Yusuke

International Medical Educational Institute
Head
HONMA Masaru

Stroke Center
Head
KINOSHITA Manabu

Medical Security and Safety Management
Head
FUJIYA Mikihiro

Infection Control Department
Head
KATO Yasuhito

Pharmacy Department
Head
TASAKI Yoshikazu

Nursing Department
Head
HARAGUCHI Makiko

Medical Technology Department
Head
SATO Junichi

Library
Director
MIYOSHI Nobuhiro

Admission Center
Director
NOZU Tsukasa

Education Center
Director
OKUMURA Toshikatsu

Advanced Medical Engineering Research Center
Director
TAKEWA Yoshiaki

Intellectual Property Center
Director
MATSUMOTO Seiji

Center for Advanced Research and Education
Director
MATSUMOTO Seiji

Institutional Research Office
Director
MATSUMOTO Seiji

Nursing Support Center for Career Development, Education, and Research established
Director
HATTORI Yukari

Center for Integrated Medical Education and Regional Symbiosis
Director
MAKINO Yuichi

Health Administration Center
Director
KAWAMURA Yuichiro

Information and Communication Technology Center
Director
YOSHIDA Takahiko

Clinical Simulation Center
Director
HONMA Masaru

Family Support Center
Director
YAMAMOTO Akemi

Audit Office

Administration Bureau
Secretary General
SASAKI Junzo
Deputy Director for Planning and Coordination (University Affairs)
SANO Susumu
Head of General Affairs Division
HASEGAWA Kazuhiro
Head of Personnel Affairs Division
SATO Mikiko

Head of Research Support Division
JIN Tomoyuki

Head of Accounts Division
ISHIKAWA Hiroshi

Head of Facilities Division
ARAYA Masaki

Specially Appointed Head of Student Affairs Division
MATSUI Satoshi

Head of Library and Information Division
YAMAZAKI Shinji

Head of Admission Division
KAMIKAWA Osamu

Deputy Director (Hospital Affairs)
NARITA Akio

Head of Management Planning Division
RYOGOKU Takuhisa

Head of Medical Services Support Division
ISHIZAKA Takamitsu

Number of Board Members

As of May 1, 2022

President	Executive Directors	Auditors	Total
1	4(2)	2(1)	7(3)

*The number in the parentheses indicates the number of part-time members of the board.

Number of University Staff

As of May 1, 2022

		President	Vice President	Academic Staff: Professor	Associate Professor	Lecturer	Assistant Professor	Total	Administrative Staff	General Technician	Medical Technician	Nursing Staff	Grand Total
President and Vice President		1	5(3)										6(3)
School of Medicine	Medical and Nursing Education			37	29	28	86	180	4				184
	General Education			6	6	1	4	17					17
Hospital(Number of physicians: 139 Number of residents: 54)				6	8	33	97	144	2	6	176	745	1,073
Centers and Facilities, etc.				5	3	4	8	20	10			1	31
Audit Office									2				2
Administration Bureau	Secretary General								1				1
	Staff								172	1			173
Total		1	5(3)	54	46	66	195	361	191	7	176	746	1,487(3)

* The number in the table includes members of the board, such as president and vice-president. * The number in the parentheses indicates the number of staff who hold a professor's post.

Number of Faculty Members of Funded Departments

As of May 1, 2022

	Professor	Specially Appointed Professor	Specially Appointed Associate Professor	Specially Appointed Lecturer	Specially Appointed Assistant Professor	Grand Total
Artificial Joints	(1)			(1)	1(1)	1(3)
Medicine and Engineering Combined Research Institute		1	(1)			1(1)
Cardiovascular Regeneration and Innovation			(1)		1(1)	1(2)
Innovative Head and Neck Cancer Research and Treatment			(1)	(1)		(2)
Community Medicine Management	(1)			1		1(1)
Department of Transplantation Technology and Therapeutic Development		(1)			1	1(1)
Total	(2)	1(1)	(3)	1(2)	3(2)	5(10)

* The number in the parentheses indicates the number of full-time faculty members in the Clinical Medicine.

Number of Faculty Members of Joint Research Departments

As of May 1, 2022

	Professor	Specially Appointed Professor	Specially Appointed Associate Professor	Specially Appointed Lecturer	Specially Appointed Assistant Professor	Grand Total
Department of Gastroenterology and Advanced Medical Science	(1)				2	2(1)
Total	(1)	0	0	0	2	2(1)

* The number in the parentheses indicates the number of full-time faculty members in the Clinical Medicine.

Successive Presidents

First President	YAMADA Morihide	July 29, 1973 to June 30, 1981
Second President	KURODA Kazuhide	July 1, 1981 to June 30, 1987
Third President	SHIMODA Akihisa	July 1, 1987 to June 30, 1991
Fourth President	SHIMIZU Tetsuya	July 1, 1991 to June 30, 1997
Fifth President	KUBO Yoshihiko	July 1, 1997 to June 30, 2003
Sixth President	YACHIKU Sunao	July 1, 2003 to June 30, 2007
Seventh President	YOSHIDA Akitoshi	July 1, 2007 to March 3, 2022
Eighth President	NISHIKAWA Yuji	April 1, 2022 -

Departments

School of Medicine

Medical Course — 28 Departments

Basic Medicine — 10 Departments

- Anatomy
  - Functional Anatomy and Neuroscience
  - Microscopic Anatomy and Cell Biology
- Physiology
  - Autonomous Function
  - Sensory Physiology
- Biochemistry
- Pharmacology
- Pathology
  - Tumor Pathology
  - Immunopathology
- Microbiology and Immunochemistry
- Social Medicine
  - Hygiene and Health Science
  - Public Health and Epidemiology
- Parasitology
- Legal Medicine
- Advanced Medical Science

Clinical Medicine — 18 Departments

- Internal Medicine
  - Division of Cardiology, Nephrology, Pulmonology and Neurology
  - Division of Gastroenterology and Hematology/Oncology
  - •Diabetes
  - •Rheumatology and Collagen Diseases
  - •Gastroenterology and Endoscopy
  - •Cancer Genomics and Precision Medicine
  - •Hematology
  - •General Medicine
- Psychiatry
- Pediatrics
- Surgery
  - Division of Vascular, Respiratory and Surgical Oncology
  - Division of Cardiovascular Surgery
  - Division of Hepato-Biliary-Pancreatic and Transplant Surgery
  - Division of Gastrointestinal Surgery
- Orthopaedic Surgery
- Dermatoloagy
- Renal and Urologic Surgery
- Ophthalmology
- Otorhinolaryngology - Head and Neck Surgery
- Obstetrics and Gynecology
- Radiology
- Anesthesiology and Critical Care Medicine
- Neurosurgery
- Laboratory Medicine
- Oral and Maxillo-Facial Surgery
- Emergency Medicine
- Regional Medicine and Education
- Clinical Oncology for Local Community Cooperation

Nursing Course — 1 Department

- Nursing Science

General Education — 11 Specialized Divisions

- History and Philosophy
- Psychology
- Sociology
- Mathematics
- Mathematical Information Science
- Physics
- Chemistry
- Biology
- Life Science
- English
- German

Funded Department — 6 Departments

- Artificial Joints
- Medicine and Engineering Combined Research Institute
- Cardiovascular Regeneration and Innovation
- Innovative Head and Neck Cancer Research and Treatment
- Community Medicine Management
- Transplantation Technology and Therapeutic Development

Joint Research Department — 1 Departments

- Department of Gastroenterology and Advanced Medical Science

Graduate School

Medical Related Research

Course	Major	Course	Division
Ph.D. Course	Medicine	Research Course	Oncology/Hematology, Social/Environmental Medicine, Immunology/Infectious Diseases, Esthematology/Musculoskeletal Medicine, Endocrinology/Metabolism, Neurology/Psychiatry, Cardiology/Pneumology, Gastroenterology, Molecular Physiology/Pharmacology, Reproductive/Developmental/Regenerative Medicine
		Clinical Research Course	Oncology/Hematology, Social/Environmental Medicine, Immunology/Infectious Diseases, Esthematology/Musculoskeletal Medicine, Endocrinology/Metabolism, Neurology/Psychiatry, Cardiology/Pneumology, Gastroenterology, Molecular Physiology/Pharmacology, Reproductive/Developmental/Regenerative Medicine
Master's Course	Nursing	Master's Thesis Course	Nursing Administration, Basic Nursing Science, Study of Defense Mechanism, Nursing Education, Psychiatric and Mental Health Nursing, Public Health Nursing, Health Education and Promotion, Child-family Nursing, Maternal Nursing and Midwifery, Gerontological Nursing, Adult Nursing, Fundamental Nursing, Home Health Care Nursing
		Advanced Practice Course	Oncology Nursing, Gerontological Nursing

Number of Students, Academic Calendar

Applicants and Entrants

2022

	Medical Course			Nursing Course		
	Places	Applicants	Admitted	Places	Applicants	Admitted
Selective Admission	32	110	32			
International Medical Professionals Course	5	17	5			
Selective Admission by Recommendation	Selective Admissions 10	19	10	10	36	10
February Examination	40	178	40	40	62	40
International Students at Private Expense	A few	2	0	A few	0	0
March Examination	8	221	8	10	92	10
Transfer Examination (Selective Admissions)	10(5)	140(28)	10(5)			

2021

	Medical Course			Nursing Course		
	Places	Applicants	Admitted	Places	Applicants	Admitted
Selective Admission	32	106	32			
International Medical Professionals Course	5	22	5			
Selective Admission by Recommendation	Selective Admissions 10	26	10	10	34	10
February Examination	40	279	40	40	100	40
International Students at Private Expense	A few	3	0	A few	0	0
March Examination	8	100	8	10	126	10
Transfer Examination (Selective Admissions)	10(5)	110(27)	10(5)			

Number of Students

As of May 1, 2022

Course	Quota		1st year	2nd year	3rd year	4th year	5th year	6th year	Total
Medical Course	105 (including 10 transfer students in the second year)	Male	56	76	57	66	95	75	425
		Female	41	47	33	50	38	49	258
		Total	97	123	90	116	133	124	683
Nursing Course	60	Male	9	2	3	6			20
		Female	51	58	58	55			222
		Total	60	60	61	61			242

Academic Calendar

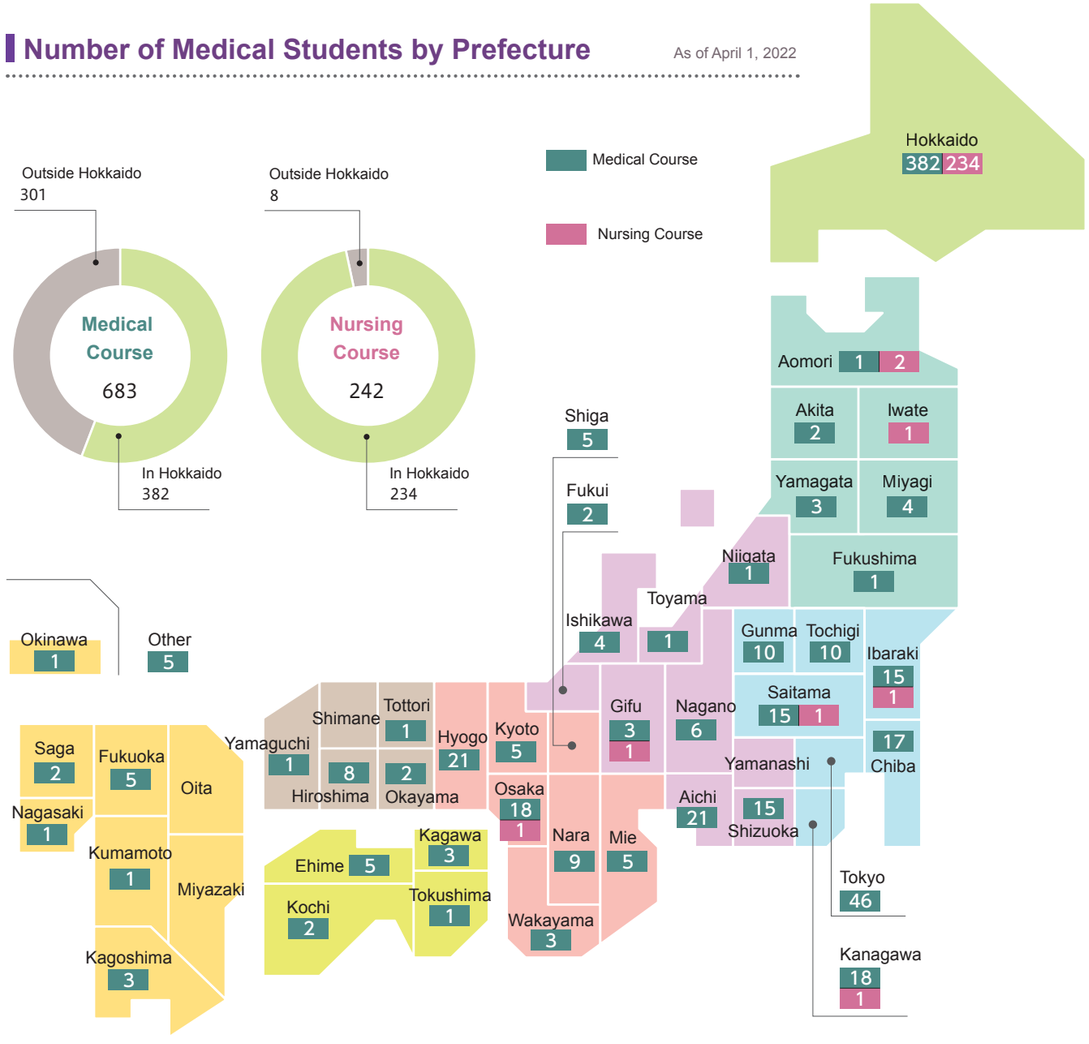
■ First Day of the Academic Year	4/1
■ Entrance Ceremony	4/6
First Semester	4/1–9/30
■ Summer Vacation	7/4–9/16
Second Semester	10/1–3/31
■ Foundation Day	11/5
■ Winter Vacation	12/12–1/20
■ White Coat Ceremony	1/12
■ Spring Vacation	2/20–4/6
■ Graduation Ceremony	3/24
■ Last Day of the Academic Year	3/31

White Coat Ceremony

* The length of summer and winter vacations vary depending on whether students are in the nursing course or medical course, as well as what year the students are enrolled in.
* In AY 2022, the academic calendar is subject to change due to COVID-19.

Number of Medical Students by Prefecture

As of April 1, 2022



Number of Scholarship Students

in AY 2021

School	Course	Scholarships offered by AMU	Japan Student Services Organization		Scholarships offered by Local Governments
			Grant-based	Loan-based	
School of Medicine	Medical Course	1	34	193	8
	Nursing Course	77	32	110	–
Graduate School	Medical Ph.D. Course	4	0	0	0
	Master's Course	1	0	0	0

[Scholarships Offered by Asahikawa Medical University]

✓ Loan for students in the Medical Course (since April 2011)
✓ Loan for students in the Nursing Course (since April 2008)
✓ Scholarship for graduate students (since April 2008)

[Scholarships Offered by Local Governments]

✓ Furano City Scholarship for Training Local Doctors
✓ Fukagawa City Scholarship
✓ Engaru Town Scholarship

[Other Financial Aids Offered by Asahikawa Medical University]

✓ Scholarship for Junior Residents (since April 2012)
✓ Special Tuition Loan (since April 2011)
✓ Loan for Graduates (since April 2011)
✓ Grant-in-Aid for Undergraduates' Study Abroad (since May 2010)
✓ Grant-in-Aid for Undergraduates' International Activities (since April 2010)
✓ Tuition Reduction System

Number of Alumni

		- 2018	2019	2020	2021	Total
Medical Course	Male	3,275	87	66	70	3,498
	Female	988	43	39	53	1,123
	Total	4,263	130	105	123	4,621
Nursing Course	Male	93	1	5	6	105
	Female	1,225	58	55	55	1,393
	Total	1,318	59	60	61	1,498
Grand Total		5,581	189	165	184	6,119

Summary of the Results of the National Examination

		2020	2021	2022
Medical Practitioners	Examinees	151	115	133
	Successful	141	103	121
	Success Rate	93.4	89.6	91.0
Health Nurses	Examinees	12	5	7
	Successful	12	5	7
	Success Rate	100.0	100.0	100.0
Midwives	Examinees	4	4	3
	Successful	4	4	3
	Success Rate	100.0	100.0	100.0
Nurses	Examinees	59	61	61
	Successful	58	61	61
	Success Rate	98.3	100.0	100.0

Associated Teaching Hospitals

Asahikawa City Hospital

Number of Clinical Departments 25
Number of Beds 478
Total Number of Clinical Trainees Accepted 12

Asahikawa Red Cross Hospital

Number of Clinical Departments 28
Number of Beds 520
Total Number of Clinical Trainees Accepted 35

Asahikawa Kosei Hospital

Number of Clinical Departments 24
Number of Beds 539
Total Number of Clinical Trainees Accepted 92

National Hospital Organization Asahikawa Medical Center

Number of Clinical Departments 19
Number of Beds 310
Total Number of Clinical Trainees Accepted 0

Asahikawa Keisenkai Hospital

Number of Clinical Departments 5
Number of Beds 399
Total Number of Clinical Trainees Accepted 0

* In AY2021, because of the spread of COVID-19, clinical training in associated teaching hospitals decreased in size.

Graduate Students

As of May 1, 2022

Major		M/F	Quota	Capacity	1st year		2nd year		3rd year		4th year		Total
					October Enrollment	April Enrollment	October Enrollment	April Enrollment	October Enrollment	April Enrollment	October Enrollment	April Enrollment	
Medical Ph.D. Course	Medical	Male	15	60	4	9	4	7	2	5	12	13	56
		Female			1	4	0	4	2	2	1	5	19
		Total			5	13	4	11	4	7	13	18	75
Master's Course	Nursing	Male	16	32	2		11						13
		Female			7		19						26
		Total			9		30						39

Admission into the Medical Ph.D. Course in October

In 2012, admission into the Medical Ph.D. Course in October was started to promote globalization and diversify learning opportunities for doctors working full time. This admission system is also for international students.

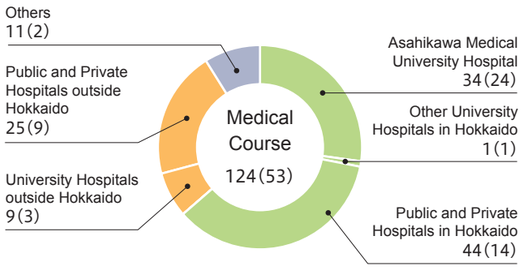
Number of Degrees Conferred

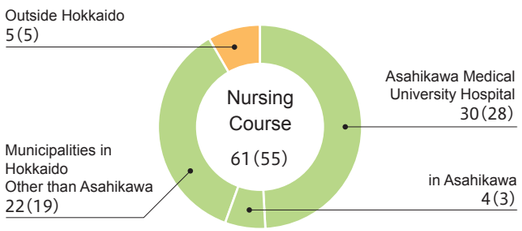
As of May 1, 2022

			- 2018	2019	2020	2021	Total
Ph.D. in Medicine	Coursework	Male	452	10	12	12	486
		Female	81	4	1	5	91
		Total	533	14	13	17	577
	Independent Study	Male	442	3	3	3	451
		Female	38	1	1	1	41
		Total	480	4	4	4	492
	Grand Total		1,013	18	17	21	1,069
Master of Nursing		Male	26	2	2	3	33
		Female	180	7	8	7	202
		Total	206	9	10	10	235

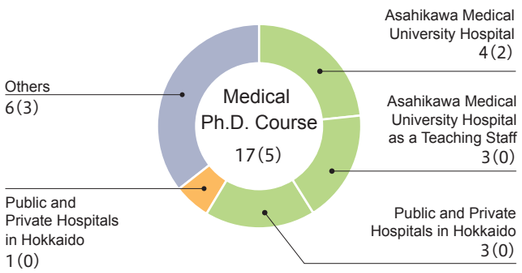
Career Path after Graduation

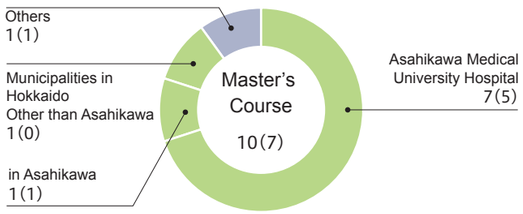
School of Medicine





Graduate School





In Hokkaido　Outside Hokkaido　Others　* The number in the parentheses indicates the number of female students.

Research and Specialized Work

Medical Course—Basic Medicine

Departments of Medicine		Fields of Interest
Anatomy	Functional Anatomy and Neuroscience	Neuroanatomy, Neuropathology
	Microscopic Anatomy and Cell Biology	Cell Biology, Experimental Endocrinology, Molecular and Cellular Mechanisms of Secretory Granule Formation
Physiology	Autonomous Function	Cardiac Mechanics, Mechanobiology
	Sensory Physiology	Neuroscience
Biochemistry		Angiogenesis, Neurogenesis, Regene Native Medicine, Calcium Homeostasis, Regulation of Cellular Function and Vascular Contraction by Protein Phosphorylation
Pharmacology		Tumor Biology, Molecular Pharmacology, Gene Regulation
Pathology	Tumor Pathology	Hepatology, Molecular Pathology, Tumor Pathology
	Immunopathology	Tumor Immunology, Allergology, Immunology
Microbiology and Immunochemistry		Host Defense Mechanisms, Immunochemistry, Molecular Microbiology
Social Medicine	Hygiene and Health Science	Hygiene, Environmental Health, Occupational Health, Molecular Preventive Medicine, International health
	Public Health and Epidemiology	Public Health, Epidemiology, Clinical Epidemiology, Environmental Epidemiology, Mental Health, Occupational Epidemiology
Parasitology		Immunobiology, Molecular Biology, and Epidemiology of Echinococcosis and Cysticercosis and Their Immunological and Molecular Diagnosis, Toxoplasmosis, Immunoparasitology, Genetic engineering, Cell Biology, Vector Biology
Legal Medicine		Forensic Toxicology, Forensic DNA typing and DNA Polymorphism
Advanced Medical Science		Neuroscience, Molecular Biology, Genome Editing, Regenerative Medicine, Translational Research

Medical Course—Clinical Medicine

Departments of Medicine		Fields of Interest
Internal Medicine	Division of Cardiology, Nephrology, Pulmonology and Neurology	Internal Medicine, Cardiology, Pulmonology, Hypertension, Nephrology, Neurology, Geriatrics and Gerontology
	Division of Gastroenterology and Hematology/Oncology	Internal Medicine, Gastroenterology, Gastrointestinal Endoscopy, Hematology, Medical Oncology, Diabetes and Metabolism, Endocrinology, Rheumatology, Hepatology,
Psychiatry		General Psychiatry, Biological Psychiatry, Geriatric Psychiatry, Dementia Medicine, Sleep Medicine, Epileptology, Clinical Electroencephalography
Pediatrics		Pediatric Infectious Diseases and Immunology, Pediatric Endocrinology and Metabolism, Pediatric Neurology, Pediatric Hematology and Oncology, Pediatric Cardiology, Perinatology, Pediatric Nephrology, Epileptology, Pediatric Gastroenterology
Surgery	Division of Vascular, Respiratory and Surgical Oncology	Vascular Surgery, Endovascular Surgery, General Thoracic Surgery, Breast Surgery, Pediatric Surgery
	Division of Cardiovascular Surgery	Cardiac Surgery, Thoracic Aortic Surgery
	Division of Hepato-Biliary-Pancreatic and Transplant Surgery	Gastroenterological Surgery [Hepato-Biliary-Pancreatic Surgery], Endoscopic Surgery, Transplant Surgery, General surgery
	Division of Gastrointestinal Surgery	Gastrointestinal Tract [Esophagus, Stomach, Small Intestine, Colon, Rectum], Endoscopic Surgery, Robotic surgery, General surgery
Orthopaedic Surgery		Joint Surgery, Prosthetic Replacement, Musculoskeletal Tumors, Spinal Surgery, Sports Orthopaedics, Rheumatoid Arthritis, Hand Surgery, Osteoporosis, Regenerative medicine
Dermatology		Dermatology, Psoriasis, Abnormal Keratinization Disorders, Atopic Dermatitis, Dermatological Mycology, Dermatological Oncology, Dermatological Allergology, Dermatological Collagen Diseases, Cosmetic Dermatology, Blistering Disorders, Dermatohistopathology
Renal and Urologic Surgery		Urological Oncology, Cancer Chemotherapy, Pediatric Urology, Female Urology, Benign Prostatic Hyperplasia, Neurogenic Bladder, Urolithiasis, Adrenal Surgery, Endoscopic Surgery, Robotic Surgery

Departments of Medicine	Fields of Interest
Ophthalmology	Ophthalmology, Vitreoretinal Disorders, Corneal Transplantation, Ocular Surface Disorders, Keratorefractive Surgery, Neuroprotection in Retina, Ocular Micro-circulation, Glaucoma, Fundus Imaging Analysis, Low Vision, Strabismus
Otorhinolaryngology–Head and Neck Surgery	Otorhinolaryngology, Head and Neck Surgery, Allergology, Bronchoesophagology, Neuro-Otology, Thyroid Surgery, Temporal Bone Surgery, Phono Surgery
Obstetrics and Gynecology	Perinatal Medicine, Gynecologic Oncology, Reproductive Endocrinology and Infertility, Menopause and Women's Health
Radiology	Diagnostic Radiology, Radiation Oncology, Nuclear Medicine, Interventional Radiology
Anesthesiology and Critical Care Medicine	Pharmacokinetics of Intravenous Anesthetics, Mechanism and Treatment of the Neuropathic Pain, Perioperative Blood Coagulation, Cardiovascular Anesthesia, Airway Management, Peripheral Nerve Block, Muscle Relaxant
Neurosurgery	Neurosurgery, Neurooncology, Skull Base Surgery, Neurovascular Surgery, Functional Neurosurgery, Neuroendovascular Surgery, Epilepsy Surgery, Pediatric Neurosurgery
Laboratory Medicine	Clinical Chemistry, Laboratory Blood Test, Molecular Diagnostics, Genetic Testing, Medical Ultrasonics, Biomarker
Oral and Maxillo-Facial Surgery	Oral Oncology, Disease of Oral Mucosa, Dental Implant, Jaw Deformity, Cleft lip and Palate, Oral Infectious Diseases, Ozostomia (Bad Breath), Temporomandibular Joint Diseases, Oral care, Oral Traumatology, Pediatric Oral and Maxillofacial Surgery, Masticatory Dysfunction, Orofacial Pain
Emergency Medicine	Traumatology, Toxicology, Cardio-pulmonary Support, Cardio-pulmonary Resuscitation, Sepsis
Regional Medicine and Education	Regional Medicine, Specialist and Primary Care
Clinical Oncology for Local Community Cooperation	Clinical Oncology, Regional Cancer Care, Cancer Care Network

Nursing Course

Departments of Nursing	Fields of Interest
Nursing Science	Human Anatomy and Physiology, Pathology, Health Education Development Science
	Fundamental Nursing, Adult Nursing, Gerontological Nursing, Pediatric Nursing, Maternal Nursing and Midwifery, Psychiatric and Mental Health Nursing, Home Health Care Nursing, Public Health Nursing, Nursing Management, Oncology Nursing

General Education

Departments of General Education	Fields of Interest
Psychology	Experimental Psychology, Cognitive Neuroscience, Clinical Psychology
Sociology	Sociology of Medicine
Mathematics	Applied Mathematics, Dynamical Systems Theory, Computational Science
Mathematical Information Science	Biomedical Engineering, Exercise Physiology, Fractal Physiology, Circulation Physiology, Microcirculation, Cognitive science, Medical Statistics
Physics	Solid State Physics, High Temperature Superconductivity, Low Dimensional Conductors, Quantum Measurement Theory
Chemistry	Physical Chemistry and Nonlinear Dynamics in Nonequilibrium Open System, Soft Matter Science
Biology	Reproductive Biology, Chromosome Science (Gamete and Embryo), Environmental Mutagen Research
Life Science	Molecular and Cellular Biology of Cell Adhesion and Neuronal Degeneration, Study on Preventing Alzheimer's Disease
English	Theoretical Linguistics, Applied Linguistics, Teaching English as a Foreign Language

Facility

Facility			Field of Research and Specialized Work
Admission Center			Selection Methods, Education of Medical Science
Education Center			Education for Medical Science and Nursing
Advanced Medical Engineering Research Center			Medical engineering(Artificial Organs, Regenerative Medicine, Tissue Engineering, Development of Medical Equipment)
Center for Advanced Research and Education	Translational Research Center		Translational Research, Education for Clinical and Translational Research, Innovative Research in Life Science
	Intellectual Property Center		Intellectual Property Right
	Research Center	Animal Laboratory for Medical Research	Experiment, Breeding and Reproduction of Animals, Reproduction Technology
		Central Laboratory for Research and Education	Instrumental Analysis, Biochemistry, Molecular Biology
		Laboratory for Radioactive Isotope Research	Instrumental Analysis, Biochemistry, Research Using Radioisotopes
Institutional Research Office			Institutional Research (Educational Management, Research and Social Contribution)
Nursing Support Center for Career Development, Education, and Research	Division of Education Program Development		Development of Nursing Education Programs
	Division of Support for Career Development		Support for Lifelong Learning and Career Formation
	Division of Personal Exchange		Promotion of Personal Exchanges Between the Nursing Course and Nursing Department
	Division of Support for Community Health Nursing		Support for Community-based Integrated Care System and Community Health Nursing
Integrated Medical Education and Regional Symbiosis			Integrated Regional Medical Education and Support for Regional Medicine
Health Administration Center			Health Care, Adolescent Life Style Disease Prevention, Prevention of Infection
Joint-Use Facilities	Information and Communication Technology Center		Information Network, Computer Science
	Family Support Center		Work-Life Balance

Hospital

Division	Field of Research and Specialized Work
Physical Medicine and Rehabilitation	Rehabilitation Medicine, Kinesiology, Computational Neuroscience, Electrophysiology, Physical Medicine, Orthotics
Pathological Diagnosis	Surgical Pathology, Oncological Pathology, Tumor Immunology, Moleculor Pathology, Cytopathology
Plastic and Reconstructive Surgery	Reconstructive Surgery, Surgical Wound Care, Cranio-Maxillofacial Surgery, Skin Cancer
Department of Endoscopy	Digestive Endoscopy, Respiratory Endoscopy, Therapeutic Endoscopy
Oncology Center	Cancer Chemotherapy, Patient Support, Cancer Information, Training for Medical Professionals
Respiratory Center	Respiratory Diseases, Clinical Oncology, Respiratory Surgery, Allergic Diseases, Molecular Biology, Respiratory Physiology, Pulmonary Circulation, Infectious Diseases
Department of Palliative Care	Palliative Medicine, Philosophy of Medicine, Medical Ethics, Advanced Care Planning
Breast Diseases Center	Breast Diseases, Clinical Oncology, Hereditary Breast Cancer
Medical Laboratory and Blood Center	Clinical Laboratory Medicine, Transfusion Medicine, Infection Control Support, Biological Information Processing, Physiological Tests, Patient Blood Management, Autologous Transfusion
Surgical Operation Department	Surgical Management, Safety Management
Clinical Radiology Department	Diagnostic Radiology, Radiation Oncology, Radiation Protection, Medical Physics, Radiological Technology
Appliance Management and Supply Center	Washing, Disinfection and Supply of Medical Devices, Quality Control of Medical Material
Surgical Pathology Department	Surgical Pathology, Oncologic Pathology, Tumor Immunology, Molecular Pathology

Division	Field of Research and Specialized Work
Medical Center of Acute Medicine	Emergency Medicine, Cardio-pulmonary Resuscitation, Toxicology, Trauma, Sepsis
Intensive Care Unit Department	Intensive Care Medicine, Circulation and Respiration Control, Blood Purification
General Medicine Department	General Medicine
Center for Maternity and Infant Care	Perinatology, Obstetrics, Neonatology, Perinatal Infectious Diseases, Pediatric Surgery
Management Planning Department	Analysis of Hospital Management, Hospital Information System, Telemedicine, Medical Information Network
Post-graduate Clinical Training Center	Programming and Management of Clinical Training, Instruction and Assistance in Clinical Training
Telemedicine Center	Telemedicine, Transmission System for 3D-HDTV Medical Movies, Health Education by Medical Museum Network System, Cloud-based Medical Practice
Clinical Research Support Center	Supports for Clinical Research, Patient-Proposed Healthcare Services
Physical Medicine and Rehabilitation Department	Physical Therapy, Occupational Therapy, Speech Language Hearing Therapy, Rehabilitation Medicine, Kinesiology, Biomechanics
Medical Network Office	Reservation for Outpatient Treatment, Discharge Support, Continuous Nursing, Cooperation with Local Medical Institutions and Municipalities and Support for Improvement of Patients' Recuperation
Clinical Engineering Office	Clinical Engineering, Medical Engineering
Department of Genetic Counseling	Genetic Diagnosis, Genetic Counseling, Prenatal Testing, Presymptomatic Testing
Liver Disorder Consultation and Support Room	Advice and Support for Liver Disease
Outpatient Chemotherapy Center	Outpatient Chemotherapy
Nutrition Management Department	Clinical Nutrition, Nutrition Management
Hospital Admission Center	Hospital Admission Management, Patient Support, Bed Control
Dialysis Center	Hemodialysis, Plasma Exchange, Plasma Adsorption
Diagnostic Ultrasonics Imaging Center	Ultrasonics in Medicine
Center for Training Advanced Medical Specialists	Provision of Information for Residents, Coordination with Associated Institutions about Rotations Management of Training, Holding Seminars
Center for Complex New Medical Technology Management	Complex New Medical Technology
Genetic Oncology Department	Comprehensive Cancer Genome Profiling
Stroke Center	Stroke, Neurology, Neurosurgery, Neuroendovascular Therapy
Medical Security and Safety Management Department	Medical Security and Safety, including Incident Report Analysis
Infection Control Department	Infection Control
Pharmacy Department	Clinical Pharmacology, Clinical Pharmacology, Neuroscience
Nursing Department	Psychiatric and Mental Health Nursing, Acute Phase Nursing, Chronic Phase Nursing, Nursing Management Nursing Education, Health Promotion



Publications

			2019	2020	2021
Book	Book		9	5	4
	Book in Japanese		88	84	69
Grand Total			97	89	73
Article	Original Article		211	210	229
	Review		14	13	9
	Others		126	27	34
	Total		351	250	272
Article in Japanese	Japan Medical Abstracts Society	Original Article	85	57	79
		Review	152	127	126
		Others	737	699	508
	Total		974	883	713
	DB-Spiral	Original Article	47	48	95
		Review	19	23	23
	Total		66	71	118
Grand Total			1,391	1,204	1,103

* Articles in press included.

Conference Presentation

		2019	2020	2021
International Conference	Oral Presentation (Invited/Special)	18	2	5
	Poster, etc.	143	90	83
	Total	161	92	88
Domestic Conference	Oral Presentation (Invited/Special)	63	34	51
	Poster, etc.	709	516	640
	Total	772	550	691
Grand Total		933	642	779








Asahikawa Medical University Hospital

Asahikawa Medical University Hospital

Hospital Philosophy

Recognizing our mission as a university affiliated hospital, we provide advanced medical care with a strong focus on the human rights and dignity of the sick; we foster health care professionals who will be able to lead the next generation, contribute to community health, and be active internationally.

Objectives

1. To honor human rights and dignity and provide medical care for and develop rapport with the patient.
2. To provide anthropocentric medical care, harmonizing holistic medical care with advanced techniques.
3. To contribute to the betterment of community health and welfare, playing active roles in prevention and health support.
4. To foster medical professionals with strict medical ethics and rich global awareness.
5. To create future medical care and disseminate the results at home and abroad.

Institutional Certified Evaluation and Accreditation

Asahikawa Medical University Hospital is accredited as follows:

Evaluation of Hospital Functions (Japan Council for Quality Health Care)

Asahikawa Medical University Hospital was evaluated by third-party assessors according to prescribed criteria and certified as appropriately serving fundamental functions to provide medical treatments systematically.

Japan Council for Quality Health Care
日本医療機能評価機構
認定第 JC444－3号

Accreditation Baby Friendly Hospital

In August 2005, our hospital was accredited as a Baby Friendly Hospital (BFH) implementing The Ten Steps to Successful Breastfeeding (developed by WHO and UNICEF). Its accreditation was the 3rd in Hokkaido and the 1st among national university hospitals in Japan. It was re-accredited in July 2018.

Asahikawa Medical University Hospital Milestones

Milestone	Date
Establishment of Hospital Approved by Medical Care Act	1976
Advanced Treatment Hospital	October 1994
AIDS Treatment Care Hospital	April 1997
Diagnosis Procedure Combination Hospital	June 2003
Disaster Medical Assistance Team Designated Medical Institution	September 2007
Liver Disease Care Liaison Hospital	August 2009
Cooperation Core Hospital for Air Ambulance Project in Northern Hokkaido	October 2009
Medical Center of Acute Medicine	October 2010
Regional Perinatal Medical Center	March 2011
Disaster Base Hospital	November 2011
Baby Friendly Hospital	July 2018
Cancer Genomic Medicine Liaison Hospital	October 2018
Japan International Hospitals	October 2019
Hokkaido Cancer Care Coordination Core Hospital	April 2020
Evaluation of Hospital Functions (3rd generation, ver. 2.0)	October 2020
Regional Cancer Care Coordination Core Hospital	March 2021
Designated Training Institution for the Training of Nurses in Specific Medical Procedures	August 2021

Organization Chart

Director

Deputy Director
- Hospital Management
- Accident Prevention, Medical Equipment
- Outpatient
- Safety Management, Patient Service, Volunteer

Associate Director
- Education of Healthcare Professionals
- Clinical Training
- COVID-19 Countermeasure and Clinical Ethics

Clinical Departments (39 Departments)
- **Internal Medicine Ⅰ**
  Cardiovascular Medicine, Renal Medicine, Respiratory Medicine, Neurology
- **Internal Medicine (Metabology, Immunology, Gastroenterology, and Hematology)**
  Diabetes and Endocrinology, Rheumatology and Collagen Diseases, Gastroenterology, Hematology/Oncology
- **Psychiatry and Neurology**
- **Pediatrics**
  Pediatrics, Adolescent Medicine, Neonatology
- **Surgery (Vascular, Respiratory and Surgical Oncology, Cardiovascular, Hepato-Biliary-Pancreatic and Transplant Surgery, and Gastrointestinal Surgery)**
  Cardiac Surgery, Vascular Surgery, Respiratory Surgery, Pediatric Surgery, Breast Surgery, Hepato-Biliary-Pancreatic and Transplant Surgery, Gastrointestinal surgery
- **Orthopaedic Surgery**
- **Dermatology**
- **Urology**
  Renal and Urologic Surgery
- **Ophthalmology**
- **Otorhinolaryngology–Head and Neck Surgery**
  Otorhinolaryngology, Head and Neck Surgery
- **Obstetrics and Gynecology**
  Perinatal Medicine (Obstetrics), Gynecology and Reproductive Medicine
- **Radiology**
  Radiology (Diagnostic Radiology, Interventional Radiology), Radiology (Radiation Oncology), Radiology (Nuclear Medicine)
- **Anesthesiology and Critical Care Medicine**
  Anesthesiology and Critical Care Medicine, Anesthesia, Cardiovascular Anesthesia, Pain clinic, Palliative Care
- **Neurosurgery**
- **Oral and Maxillo-Facial Surgery**
- **Emergency**
- **Physical Medicine and Rehabilitation**
- **Pathological Diagnosis**
- **Plastic and Reconstructive Surgery**
- ○ **Department of Endoscopy**
- ○ **Oncology Center**
- ○ **Respiratory Center**
- ○ **Department of Palliative Care**
- ○ **Breast Disease Center**

Central Clinical Facilities (29 Divisions)
- Medical Laboratory and Blood Center
- Surgical Operation Department
- Clinical Radiology Department
- Appliance Management and Supply Center
- Surgical Pathology Department
- Medical Center of Acute Medicine
- Intensive Care Unit Department
- General Medicine Department
- Center for Maternity and Infant Care
- Management Planning Department
- Post-graduate Clinical Training Center
- Telemedicine Center
- Clinical Research Support Center
- Community Health Care Center
- Physical Medicine and Rehabilitation Department
- Medical Network Office
- Clinical Engineering Office
- Genetic Counselling Office
- Liver Disorder Consultation and Support Room
- Outpatient Chemotherapy Center
- Nutrition Management Department
- Hospital Admission Center
- Dialysis Center
- Diagnostic Ultrasonics Imaging Center
- Center for Training Advanced Medical Specialists
- Center for Complex New Medical Technology Management
- Genetic Oncology Department
- International Medical Educational Institute
- Stroke Center

Medical Security and Safety Management Department

Infection Control Department

Pharmacy Department

Nursing Department

Medical Technology Department
- Medical Laboratory Transfusion Section
- Radiological Technology Section
- Pathological Technology Section
- Rehabilitation Section
- Clinical Engineering Section
- Nutrition Management Section
- Multidisciplinary Medical Technology Section

Clinical Activities in 2021

Number of Patients

Classification	Number
Total Number of Outpatients	367,131
Average Number of Outpatients per Day	1,517
Total Number of Inpatients	169,990
Number of Newly Registered Patients	7,762
Number of Newly Registered Patients since the Opening of the Hospital	427,469

* November 1, 1976–March 31, 2022
* Total Number of Beds: 607

Incoming Referral Rate / Outgoing Referral Rate

Incoming Referral Rate	Outgoing Referral Rate
93.4%	85.9%

Patients by District

	Inpatients	Outpatients
Asahikawa	7,402	236,816
Sorachi	722	17,968
Ishikari	77	1,455
Shiribeshi	3	77
Iburi	8	183
Hidaka	8	91
Oshima	4	51
Hiyama	0	9
Kamikawa	3,274	81,032
Rumoi	465	8,388
Soya	599	7,451
Okhotsk	911	11,801
Tokachi	78	871
Kushiro	19	150
Nemuro	15	183
Outside Hokkaido	43	513
Total	13,628	367,039

Statistics of Discharged Patients

Diseases are classified according to the International Classification of Diseases (ICD-10) Stipulated by the World Health Organization (WHO)

Classification by ICD		Number	Rate
Ⅰ	Certain infectious and parasitic diseases (A00-B99)	187	1.37%
Ⅱ	Neoplasms (C00-D48)	5,068	37.07%
Ⅲ	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	91	0.67%
Ⅳ	Endocrine, nutritional and metabolic diseases(E00-E90)	356	2.60%
Ⅴ	Mental and behavioural disorders (F00-F99)	93	0.68%
Ⅵ	Diseases of the nervous system (G00-G99)	330	2.41%
Ⅶ	Diseases of the eye and adnexa (H00-H59)	960	7.02%
Ⅷ	Diseases of the ear and mastoid process (H60-H95)	72	0.53%
Ⅸ	Diseases of the circulatory system (I00-I99)	1,670	12.21%
Ⅹ	Diseases of the respiratory system (J00-J99)	334	2.44%
Ⅺ	Diseases of the digestive system (K00-K93)	1,174	8.59%
Ⅻ	Diseases of the skin and subcutaneous tissue (L00-L99)	155	1.13%
ⅩⅢ	Diseases of the musculoskeletal system and connective tissue (M00-M99)	678	4.96%
ⅩⅣ	Diseases of the genitourinary system (N00-N99)	796	5.82%
ⅩⅤ	Pregnancy, childbirth and the puerperium (O00-O99)	372	2.72%
ⅩⅥ	Certain conditions originating in the perinatal period (P00-P96)	237	1.73%
ⅩⅦ	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	303	2.22%
ⅩⅧ	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	19	0.14%
ⅩⅨ	Injury, poisoning and certain other consequences of external causes (S00-T98)	597	4.37%
ⅩⅩ	External causes of morbidity and mortality (V00-Y98)	0	0.00%
ⅩⅩⅠ	Factors influencing health status and contact with health services (Z00-Z99)	16	0.12%
ⅩⅩⅡ	Codes for special purposes (U00-U89)	165	1.21%
Total		13,673	100%

International Classification of Diseases (ICD) :
International Statistical Classification of Diseases and Related Health Problems

Number of Emergency Patients

Departments	First Visit	Return Visit	Total
Internal Medicine I	59	313	372
Internal Medicine (Metabology, Immunology, Gastroenterology, and Hematology)	40	405	445
Psychiatry and Neurology	6	30	36
Pediatrics	40	248	288
Surgery (Vascular, Respiratory and Surgical Oncology)	12	73	85
Surgery (Cardiovascular)	50	78	128
Surgery (Hepato-Biliary-Pancreatic and Transplant Surgery)	8	39	47
Surgery (Gastrointestinal Surgery)	16	80	96
Orthopaedic Surgery	57	161	218
Dermatology	55	142	197
Urology	45	118	163
Ophthalmology	40	76	116
Otorhinolaryngology – Head and Neck Surgery	100	155	255
Obstetrics and Gynecology	41	398	439
Radiology	0	0	0
Anesthesiology and Critical Care Medicine	9	22	31
Neurosurgery	84	167	251
Oral and Maxillo-Facial Surgery	9	57	66
Emergency	425	1,427	1,852
Plastic and Reconstructive Surgery	8	14	22
Total	1,104	4,003	5,107

* The data for the Division of Hepato-Biliary-Pancreatic and Transplant Surgery were uncategorized in the hospital management system so the cells were left blank.

Number of Clinical Examinations

	Inpatients	Outpatients	Total
General Examination	34,246	122,325	156,571
Hematology	145,401	207,219	352,620
Clinical Chemistry	946,025	1,890,007	2,836,032
Serology	114,295	243,771	358,066
Endocrinology	19,215	62,395	81,610
Bacteriology	11,997	4,571	16,568
Pathology	1,923	4,092	6,015
Physiology	78,037	75,826	153,863
Other Lab Tests	670	193	863
Blood Sampling and Testing, Liquid Sampling and Testing	1,704	79,203	80,907
Endoscopy	812	4,093	4,905
Classification code not included in the list	6	13	19
Department-specific Examinations	0	0	0
Total	1,354,331	2,693,708	4,048,039

Number of Anesthetizations

Points	Number
0～999	3,505
1,000～	6,649
Total	10,154
Nerve Block	358

Number of Deliveries

	Mature Babies	Premature Babies	Total
Normal	138	29	167
Dystocia	99	54	153
Total	237	83	320

Intensive Care Unit: Number of Patients by Clinical Department

Department	Number
Internal Medicine I	70
Internal Medicine (Metabology, Immunology, Gastroenterology, and Hematology)	16
Psychiatry and Neurology	0
Pediatrics	5
Surgery (Vascular, Respiratory and Surgical Oncology)	54
Surgery (Cardiovascular)	290
Surgery (Hepato-Biliary-Pancreatic and Transplant Surgery)	129
Surgery (Gastrointestinal Surgery)	66
Orthopaedic Surgery	3
Dermatology	3
Urology	19
Ophthalmology	0
Otorhinolaryngology–Head and Neck Surgery	2
Obstetrics and Gynecology	3
Radiology	0
Anesthesiology and Critical Care Medicine	0
Neurosurgery	137
Oral and Maxillo-Facial Surgery	5
Emergency	79
Plastic and Reconstructive Surgery	5
Total	886

Pathological Examinations

	In-hospital	Entrusted	Total
Histopathological Examination	6,831	164	6,995
Cytological Examination	5,059	0	5,059
Intraoperative Pathology	432	0	432
Telepathology	0	19	19
Total	12,322	183	12,505

Number of Radiographic Examinations

	Radiography	Radioscopy	Computed Tomography	Angiography
Inpatients	34,481	2,099	7,688	1,377
Outpatients	58,102	1,496	21,281	412
Total	92,583	3,595	28,969	1,789

Number of Radiation Therapies

	Radiotherapy	Radiotherapy Planning	Nuclear Medicine	Magnetic Resonance Imaging
Inpatients	4,107	344	719	2,310
Outpatients	6,616	330	2,539	6,837
Total	10,723	674	3,258	9,147

Pathological Dissection

	Number
Mortality	362
Pathological Dissection	11
Dissecting Rate	3 %
Stillborn Dissection	0
Entrusted Dissection	0

Blood and Blood Components Used

Blood and Blood Components	Units	Number of Blood Bags
Red Blood Cell Component	12,533	6,313
Blood Plasma Component	9,283	4,113
Platelet Component	25,635	1,586
Autologous Blood	345	194
Total	47,796	12,206

Department of Rehabilitation

	Number
Physical Therapy	49,081
Occupational Therapy	15,415
Speech Therapy	9,884
Total	74,380
Number of Patients	5,588

In-Hospital Preparations

	Items	Number
Oral Liquids	3	11
Oral Powders	3	4
Tablets and Capsules	0	0
Injections	6	19
Ophthalmic Drugs	12	52
Ear and Nasal Drops, Inhalation Drugs	1	5
External Liquids	10	84
External Powders	0	0
Ointments and Creams	11	145
Suppositories	1	4
Antiseptic Liquid, Disinfecting, and Preserving Agents	2	12
Laboratory and Diagnostic Agents	7	68
Others	1	0
Pre-compounded Medications	5	26

Number of Prescriptions

	Forms
Hospitalization Prescription	107,366
Internal Prescription for Outpatients	10,427
Total	117,793
External Prescription Rate	94.6 %

Number of Operations

Points	Number
0～999	1,683
1,000～2,999	1,591
3,000～4,999	1,014
5,000～9,999	1,539
10,000～14,999	1,893
15,000～19,999	905
20,000～	4,608
Total	13,233
By the surgical operation department	7,072

* The number includes the operations for outpatients.

Medication Counselling

	Number
Inpatients	9,493
Discharges	334
Medication Reconciliation	12,745

Number of Analyses of Blood Drug Concentration

	Number
Number	1,130

Telemedicine Center

Reducing Urban-Rural Medical Gaps

In order to reduce and eventually resolve problems in underpopulated areas and urban-rural medical service discrepancies, we connect with hospitals in rural areas through the telemedicine network and we have established medical systems to provide patients everywhere with advanced medical treatment.

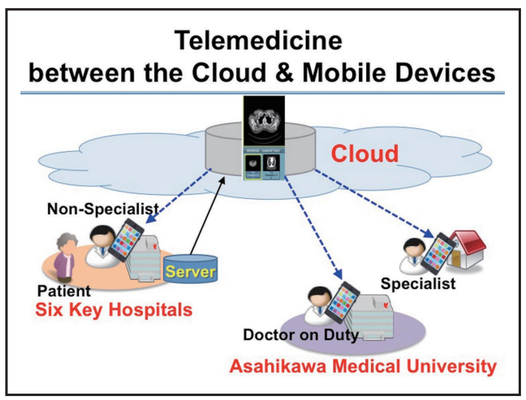
Activities in Telemedicine

As of May 1, 2022

Classification	2019	2020	2021
General Medical Examination Support	609	276	158
Radiograph Image Diagnosis	4,776	4,917	5,422
Pathological Image Diagnosis	13	19	19
Total	5,398	5,212	5,599

Project to Support Collaborative Emergency Medicine Using the Cloud

Since October 2016, we have been collaborating with six hospitals in Hokkaido (Japanese Red Cross Kitami Hospital, Hokkaido Prefectural Kitami Hospital, Engaru-Kosei General Hospital, Furano Association Hospital, Fukagawa Municipal Hospital, and Rumoi City Hospital). We are conducting a project to support collaborative emergency medicine using the cloud. In this project, our medical specialists use their smartphones and tablets, look at patient information sent to the cloud on the internet, offer advice on diagnoses and treatment plans, and judge whether ambulance transportation to our hospital is necessary. This has made it possible to provide quicker treatments for patients suffering from heart diseases.



Hokkaido Medical Museum

Hokkaido Medical Museum makes use of the web conference system and provides people in venues in Asahikawa and several other cities in Hokkaido with information about health maintenance and up-to-date medicine presented by doctors and nurses in Asahikawa Medical University. The presentation and discussion with the MC in the broadcast studio in the Telemedicine Center is transmitted live to the venues, and participants can directly ask questions by means of the web conference system. The videos in the past are distributed on demand on Open Internet College, a website run by the Telemedicine Center.

Examples of Themes Discussed in the Past

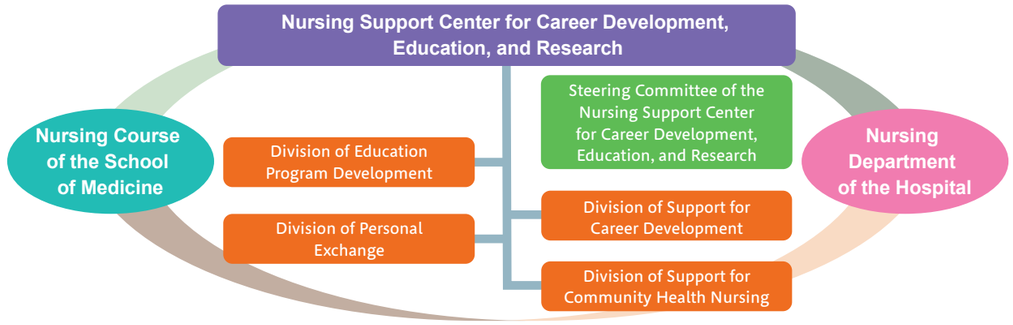
Classification	Theme
Seniors' Health	Seniors and Mental Health
	Elderly with Dementia and Family Caregivers
	Relationship of Dysphagia Required in the Community
Cancer	What is the Newest Surgical Approach to Colorectal Cancer?
Ophthalmology	Understanding Visual Disturbances: Diseases Masquerading as Presbyopia

One of the Venues for the Hokkaido Medical Museum

Broadcast Studio in the Telemedicine Center

Nursing Support Center for Career Development, Education, and Research

The Nursing Support Center for Career Development, Education, and Research supports careers and the education of nursing students, nurses working both in our hospital and in other hospitals, and faculty members, cooperating and collaborating cross-organizationally with health, medical, and welfare institutions in local communities, so that they can keep learning to improve their careers and they can change their places of work without a career break.



Training, Lectures, and Seminars Held in AY 2021

	Number of Events	Total Number of Participants
For Faculty Members	5	249
For Faculty Members and Nurses Working in Other Hospitals	9	Faculty Members:193 , Nurses:132
Total	14	574

Consultations of Nursing Research and Career in AY 2021

Number of Consultations	21

Online Consortium Seminar with a Home-visiting Nursing Care Office

HyFlex Training for Nursing Practice Instructors

The Center for Training Advanced Medical Specialists

The Center for Training Advanced Medical Specialists was established in 2017 in response to the new board certificate system that started in April 2018. The Center provides information to doctors wishing to be medical specialists, coordinates with associated institutions, manages training, and holds seminars. The Center also accepts consultation about the new board certificate system. It will offer seamless support, collaborating with the Admission Center, the Post-Graduate Clinical Training Center, and the Center for Integrated Medical Education and Regional Symbiosis.

Library

As of March 31, 2022

Asahikawa Medical University Library provides an array of services to users so that they feel more familiar with the library. We hold various, diverse events such as the displaying books on a theme, small-scale lectures by our university staff, and information sessions about databases available in the library.

We also offer library tours and publish our information bulletin, Library News. We support users' learning and research by holding mini lectures and guidance according to their needs and provide education on how to search for books and journals, which is indispensable to learn medicine and nursing.

Library

Library Holdings

Books

		Japanese	Foreign	Total
General Education		35,892	8,178	44,070
Medical Education	Basic Medicine	9,912	24,549	34,461
	Clinical Medicine	48,547	36,659	85,206
	Nursing	9,471	466	9,937
Total		103,822	69,852	173,674

Journals

	Total
Japanese	2,488
Foreign	1,724
Electric Copy	3,941

Audiovisual Material

CD	CD-ROM	DVD	LD	Videotape	Others	Total
224	83	1,322	72	1,360	331	3,443

Health Administration Center

Consultations with Doctors and Public Heath Nurses

in AY 2021

Month	Consultations			Emergency Treatments	Medical Examinations	Others
	Physical	Mental	Total			
Apr.	185	4	189	5	74	15
May.	115	0	115	17	20	11
June	468	3	471	12	2	168
July	167	6	173	8	1	95
Aug.	114	0	114	5	0	26
Sep.	106	7	113	6	3	26
Oct.	78	4	82	14	0	52
Nov.	59	1	60	17	1	25
Dec.	33	1	34	8	1	17
Jan.	103	0	103	1	0	46
Feb.	65	3	68	5	0	49
Mar.	104	1	105	2	0	76
Total	1,597	30	1,627	100	102	606

Health Lecture

Center for Advanced Research and Education

The Translational Research Center in the Center for Advanced Research and Education offers lectures for researchers that help validate data obtained in research activities. The lectures include Ethical Guidelines, Research Ethics, and On Intellectual Property, reinforcing ethical education in clinical research to help avoid academic dishonesty and deepening researchers' expertise in clinical research. The Translational Research Center also stimulates research activities within the university and promotes basic research and university-supported projects, and strongly supports the Hokkaido base for the Translational Research Network Project and patent applications.

The Research Center is composed of the Central Laboratory for Research and Education, the Animal Laboratory for Medical Research, and the Laboratory for Radioactive Isotope Research.

Animal Laboratory for Medical Research

Joint-Use Facilities

Information and Communication Technology Center

The internet enables us to not only stay connected with the world and collect up-to-date academic information but also convey information about our university to the world. Asahikawa Medical University Campus Information Network (AMEC-Net) is composed of the four subsystems (medical and nursing research subsystem, information processing education subsystem, library information subsystem, and network administration subsystem). The information and communication technology center serves to provide undergraduates with information literacy education, support students and faculty searching for academic information, and convey the information about our university worldwide.

Clinical Simulation Center

The Clinical Simulation Center aims to help students to attain the following:

1. To learn basic clinical skills during preliminary training in pre-medical education and during clinical training − for undergraduates
2. To learn general clinical skills in post-graduate clinical training − for interns
3. To acquire advanced clinical skills and maintain continuing professional development − for doctors, nurses and co-medicals
4. To develop new teaching materials

Summary of Clinical Simulation Center in 2021

	Actual Use (hours)	Number of Users
Computer Assisted Laboratory	722	2,221
Clinical Skills Laboratory for Diagnosis of Sense Organs	391	754
Basic Clinical Skills Laboratory	684	1,383
Clinical Skills Laboratory for the Heart–Lung Function and Emergency Medicine	1,109	1,537
Hand-washing Laboratory	474	885
Teaching-materials Creation Room	269	344

Support Center for Staff Returning to Work, Staff Wanting Assistance with Child Rearing, and Nursing Care (Nirinso Center)

Working Environment Friendly to Parenting Doctors and Nurses

Nirinso Center is the support center to help our staff keep their work-life balance in a good shape by making the working environment better. It helps staff returning to work after maternity leave, child-care leave, and nursing-care leave.

It is composed of the four components (back to work support training, carrier support, child-care and nursing-care support, and sick and convalescent child nursing). The center also provides services such as educational programs, various kinds of seminars and lectures.

Room for sick and convalescent children, Nonno

Regional and International Contributions

Recently Concluded Agreements with Hospitals, Universities, and Cities

Partner	Basic Agreement	Concluded Date
National Universities in Hokkaido	Exchanging Credits	February, 2014
National Universities in Hokkaido	Educating International Students Prior to Admission	February, 2014
Furano City and Furano Association Association Hospital	Affiliation Agreement	March, 2014
Fukagawa City Hospital	Affiliation Agreement	April, 2015
Engaru-Kosei General Hospital and Engaru Town	Affiliation Agreement	January, 2016
Asahikawa City	Affiliation Agreement	June, 2014
The Tokyo Organizing Committee of the Olympic and Paralympic Games	Affiliation Agreement	June, 2014
Asahikawa City Hospital	Affiliation Agreement	December, 2016
Ashibetsu City	Affiliation Agreement	February, 2018

JICA Lectures on Hygiene Administration for Officers in Charge of Regional Medicine in Africa

Period	Number of Countries (Number of Participants)	Countries
June 17, 2022 – February 10, 2022 (Online)	5(6)	Ivory Coast, Ethiopia, Liberia, Morocco, Tunisia

International Exchange

International Students

As of May 1, 2022

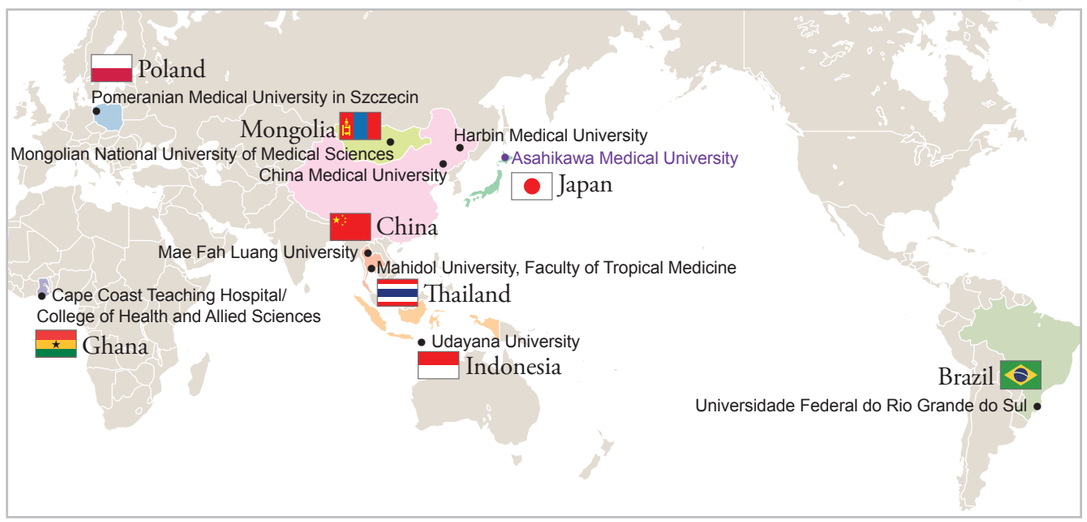
Country	Graduate School		Total
	National Fund	Private Expense	
Thailand	1(1)		1(1)
Bangladesh		1(0)	1(0)
Total	1(1)	1(0)	2(1)

* The number in the parentheses indicates the number of female students.

Annual Number of International Researchers and Visitors

	2019	2020	2021
Number	3	0	0

As of May 1, 2022



Associated University	China Medical University
Country	China
Agreement Period	Sep. 13, 2005 – Sep. 12, 2025
Associated University	Mahidol University, Faculty of Tropical Medicine
Country	Thailand
Agreement Period	Mar. 31, 2008 – Mar. 30, 2023
Associated University	Udayana University
Country	Indonesia
Agreement Period	Apr. 21, 2008 – Apr. 20, 2023
Associated University	Harbin Medical University
Country	China
Agreement Period	May 16, 2010 – May 15, 2025
Associated University	Mongolian National University of Medical Sciences
Country	Mongolia
Agreement Period	July 23, 2012 – July 22, 2022

Associated University	Mae Fah Luang University
Country	Thailand
Agreement Period	Jan. 10, 2018 – Jan. 9, 2023
Associated University	Cape Coast Teaching Hospital/ College of Health and Allied Sciences
Country	Ghana
Agreement Period	July 23, 2018 – July 22, 2023
Associated University	Pomeranian Medical University in Szczecin
Country	Poland
Agreement Period	Nov. 28, 2018 – Nov. 27, 2023
Associated University	Universidade Federal do Rio Grande do Sul
Country	Brazil
Agreement Period	May 28, 2021 – May 27, 2026

Educational and Research Expenditure

As of May 1, 2022

Grants-in-Aid for Scientific Research in 2021

	Number	Granted Amounts		Grand Total
		Direct Expenses	Indirect Expenses	
Research on Innovative Areas	2	23,000	6,900	29,900
Scientific Research(B)	8	30,600	9,180	39,780
Scientific Research(C)	105	82,600	24,780	107,380
Challenging Research (Exploratory)	2	3,200	960	4,160
Young Scientists	55	51,800	15,540	67,340
Young Scientists (B)	2	100	30	130
Grant-in-Aid for Research Activity Start-up	6	7,000	2,100	9,100
Fostering Joint International Research (A)	3	10,800	3,240	14,040
Fostering Joint International Research (B)	2	6,400	1,920	8,320
Grant-in-Aid for Publication of Scientific Research Results	1	500	0	500
Encouragement of Scientists	1	470	0	470
Total	187	216,470	64,650	281,120

* The number indicates the research led by principal investigators.

(Unit: JPY 1,000)

External Funds in 2021

	Number	Amount of Money
Endowments	442	265,083
Endowments(Funded Department)	6	99,900
Contract Research Funds (General)	74	36,080
Contract Research Funds (Clinical Trial)	196	86,266
Contract Institute Funds (Pathological Tissue Examination)	5,938	56,212
Joint Research	54	65,095
Other Competitive Funds	8	39,801
Asahikawa Medical University Fund	180	6,853
Total	6,898	655,290

(Unit: JPY 1,000)

Other External Competitive Funds in 2021

	Number	Direct Expenses	Indirect Expenses	Grand Total
Grant for the Promotion and Development of Medical Research by the Japanese Agency for Medical Research and Development (Translational Research Strategic Promotion Program)	1	7,320	0	7,320
Commissioned Research and Development Expenditure by Japan Agency for Medical Research and Development (Interstellar Initiative and e-ASIA)	1	1,835	551	2,386
Grant-in-Aid for Scientific Research Subsidized by Ministry of Health, Labour and Welfare	2	6,957	2,086	9,043
Center of Innovation (COI) Program by Japan Science and Technology Agency	1	3,000	900	3,900
CREST by Japan Science and Technology Agency	1	300	90	390
Bilateral Program by Japan Society for the Promotion of Science	1	1,900	0	1,900
Grant to Establish a Research Base by the Ministry of Education, Culture, Sports, Science and Technology (Plan to Raise Cancer Medicine Specialists in Hokkaido)	1	14,862	0	14,862
Total	8	36,174	3,627	39,801

* The number indicates the research led by principal investigators.

(Unit: JPY 1,000)

Revenue and Expenditure for Fiscal Year 2022

Revenue	Amount of Money
Subsidies for the National University Cooperation	4,969
Subsidies for Facility Improvement	10
Other subsidies	680
NIAD-QE grants for facility Construction	18
Self-Revenue	24,707
Tuition / Examination and Entrance Fees	613
University Hospital Revenue	23,786
Miscellaneous Revenue	307
Revenues of University-industry Cooperation Research and Endowment Projects	800
Proceeds from long term loans	488
Total	31,673

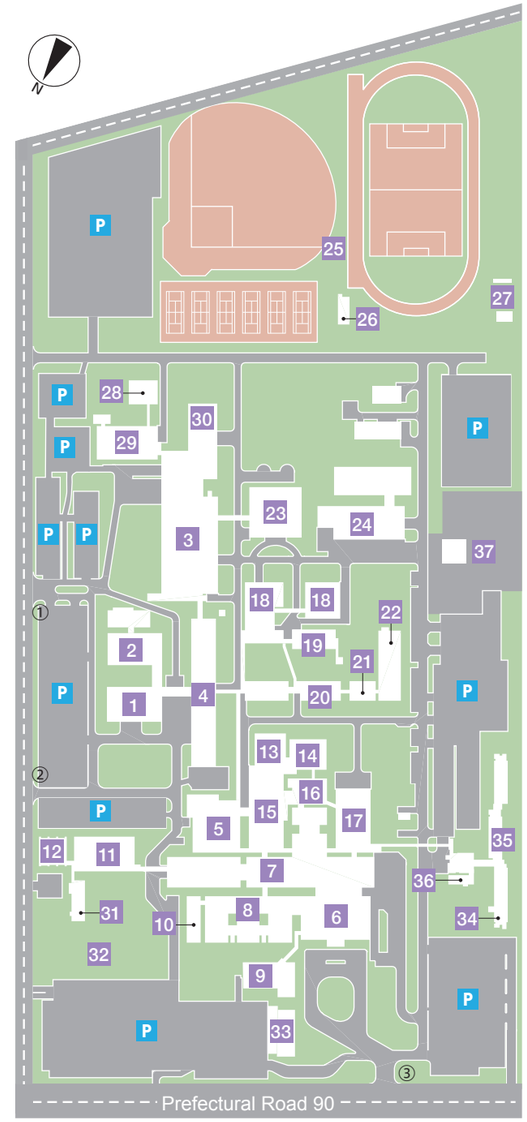
Expenditure	Amount of Money
Operating Expenses	28,572
Education and Research Expenses	5,048
Physician Expenses	23,523
Facility Improvement Expenses	516
Grants	680
Expenses on University-industry Cooperation Research and Endowment Projects	800
Long Term Loan Redemption	1,104
Total	31,673

(Unit: JPY 1,000,000)

Campus Map

Campus Map

1 Administration Bureau Building
2 Library
3 Lecture and Practical Training Building
4 Integrated Research Building
5 Clinical Lecture Building
6 Hospital Entrance
7 Ward
8 Outpatient Consultation Ward
9 Restaurant Building
10 Telemedicine Center
11 Shared Building(A)
12 Shared Building(B)
13 MRI-CT Building
14 Radiation Facility
15 Central Clinical Building A
16 Special Clinical Building
17 Central Clinical Building B
18 Animal Laboratory for Medical Research
19 Laboratory for Radioactive Isotope Research
20 Central Laboratory for Research and Education
21 Clinical Research Building
22 Shared Research Building
23 Nursing Course Building
24 Mechanical Building
25 Sports Ground
26 Clubrooms
27 Japanese Archery Hall
28 Martial Arts Hall
29 Gymnasium
30 Welfare Facility
31 Day Nursery
32 Outdoor Rehabilitation Space
33 Midorigaoka Terrace
34 Family House (Hospital Hospitality House)
35 Dormitory for Nurses
36 Triage Center
37 Air Ambulance Heliport



←Twin Harp Bridge

① Campus Entrance
② Main Gate of University
③ Main Gate of Hospital

Location

1. ASAHIKAWA MEDICAL UNIVERSITY
2. Japan Railway (JR) Asahikawa Station
3. Asahikawa City Office
4. Asahikawa Airport
5. Hokkaido University of Education, Asahikawa Campus
6. National Institute of Technology, Asahikawa College
7. Asahiakwa City Hospital
8. National Hospital Organization Asahikawa Medical Center
9. Asahikawa Red Cross Hospital
10. Asahikawa Technical High School
11. Asahikawa Minami High School
12. Asahiakwa Kosei Hospital
13. Asahikawa Keisenkai Hospital
14. The Ishikari River
15. The Chubetsu River
16. Twin Harp Bridge
17. Asahibashi (Bridge)
18. Asahikawaohashi (Bridge)
19. Tokiwa Park
20. Kamikawa Shrine
21. Asahikawa Takasu Interchange

TRANSPORTATION

By Train (Japan Railways):

About 1 hour and 25 minutes from Sapporo Station to Asahikawa Station

About 2 hours and 20 minutes from New Chitose Airport Station to Asahikawa Station (transfer in Sapporo)

By Bus (Asahikawa Denki Kido):

About 35 minutes from Asahikawa Station (Number 27 Bus Stop) to Idai Byoin Mae (Asahikawa Medical University Hospital) via Ryokuto Ohashi by bus number 71

By Bus (Asahikawa Denki Kido and Furano Bus):

About 30 minutes from Asahikawa Airport to Asahikawa Idai Mae (Asahikawa Medical University)

By Taxi:

About 15 minutes from Asahikawa Station to Asahikawa Medical University

About 20 minutes from Asahikawa Airport to Asahikawa Medical University

UNIVERSITY ACCREDITED March 2022

The Emblem of the National Institution for Academic Degrees and University Evaluation

As is stated in Article 109, Section 2 in the School Education Law, Asahikawa Medical University was evaluated by the National Institution for Academic Degrees and Quality Enhancement of Higher Education and was certified on March 24, 2022, to be in satisfactory compliance with the standards of the Japan Institution for Higher Education Evaluation.

ACCREDITED 2020.2-2027.1

Japan Accreditation Council for Medical Education (JACME)

In AY 2019, the School of Medicine at Asahikawa Medical University was evaluated and audited by the Japan Accreditation Council for Medical Education (JACME) in order to assure the quality of our educational system. We were certified that we satisfy the global standards for Basic Medical Education.

Kurumin Logo

On June 25, 2015, based on Article 13 of Act on Advancement of Measures to Support Raising Next-Generation Children, we were accredited by the president of the Hokkaido Labor Bureau to be an organization friendly to families raising children, and were granted the Kurumin logo, a mark showing the accreditation.

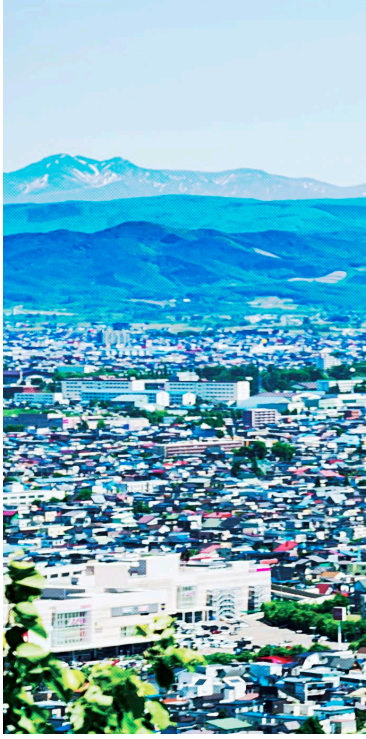
The Emblem of Asahikawa Medical University

Snow crystals and the Japanese rowan (designated as the Asahikawa City Tree) symbolize Hokkaido and Asahikawa respectively. The characters in the middle of the symbol represent Asahikawa Medical University in the center of Hokkaido.

The Brand Mark of Asahikawa Medical University

The emblem was designed out of the striped initial letter of Asahikawa Medical University. Its upward strokes symbolize the university nurturing medical professionals and researchers from Asahikawa, and improving and providing local community-oriented medical care and welfare. The purple in the emblem implies a landscape of lavenders, medical sagacity, and international contribution, and the green symbolizes regeneration and the brilliance of life.

Learning the Most Advanced Medicine at the Northernmost Medical University in Japan



Asahikawa Medical University

Edited by the General Affairs Division
2-1-1-1 Midorigaoka Higashi, Asahikawa City, Hokkaido, 078-8510, JAPAN
Tel: +81-166-65-2111
URL: https://www.asahikawa-med.ac.jp