



Hospital Guide 2022

University of Tsukuba Hospital



Looking ahead to the post-COVID era

HARA Akira

Director, University of Tsukuba Hospital



Introduction

As the only advanced treatment hospital in Ibaraki Prefecture, the mission of the University of Tsukuba Hospital is to accept seriously ill patients who are unable to be treated at other medical institutions. We make daily efforts to maintain our function of providing advanced medical care even during the COVID-19 disaster.

COVID-19 countermeasures

We have established the COVID-19 Countermeasures Task Force under the leadership of the hospital director, and our medical professionals are implementing countermeasures after careful consideration and review based on the ever-changing infectious disease situation. Thanks to our patients and related parties, there have been no notable COVID-19 infection cases within the hospital and we have been able to sustain our regular medical activities. As for external activities, in FY2021, we dispatched physicians and nurses to vaccination centers (78 physicians and 8 nurses), dispatched physicians to temporary medical facilities (138 physicians), established the Ibaraki Cluster Group to support clusters (222 cases at 82 facilities), developed a disaster and infection control system based on a hydrogen fuel cell bus, and developed an infectious disease control system using the bus. We have also developed a disaster prevention and infectious disease control system based on a hydrogen fuel cell bus, and offered PCR testing for essential workers using the bus, among other activities. Through these efforts, we have endeavored to sustain our social activities.

Work-style reforms

Reforms in the way physicians work are an urgent issue for our hospital as well as other medical institutions in Japan. As is widely known, with the enforcement of the revised Labor Standards Act, the off-hours maximum will be applied to physicians from FY2024. Therefore, our hospital will introduce a new attendance management system to better ascertain the working conditions of physicians, shorten their working hours and ensure their health. On the other hand, our hospital plays a key role in supporting regional medical care in Ibaraki Prefecture. As we promote the reforms in the way physicians work, how the dispatch of physicians will change from FY2024 onward and how we maintain regional medical care will become major issues, but we intend to proceed carefully and in cooperation with the prefecture.

As a research university

As a university-affiliated hospital, we believe that our hospital can play an important role as a research institution. The University of Tsukuba started its Fourth Mid-term Goals and Plans period as a Designated National University Corporation on April 1, 2022, aiming to become a “Perfectly Comprehensive University” that solves global issues. In terms of research, our hospital has set the goals of “increasing the number of new specified clinical research projects,” “commercializing next-generation particle therapy equipment,” and “increasing the number of biobank specimens collected relating to advanced technology-enabled analysis of the whole human genome and other information.”

Conclusion

Our hospital is the only advanced treatment hospital in the prefecture and serves as the last bastion of care in the prefecture. Even though the number of cases of COVID-19 infection appears to be decreasing, we will not easily let our guard down. With the cooperation of the government, neighboring medical institutions, and the prefectural community, we will continue to make our utmost efforts toward countermeasures against infectious diseases, work-style reforms and the development of medicine and medical care in Japan.

Principle

We are committed to providing high-quality medical care and cultivating medical professionals who contribute to developing the medical field.

Policy

We are committed to providing the safest and highest quality medical care to patients

Fully mindful of our mission and responsibility, we cultivate medical professionals rich in humanity

We promote a team approach to medical care services and thereby build links with the local community

We work to spread knowledge about health and medicine

We contribute to international society through our medical research and promotion of advanced medical technology

Characteristics

The University of Tsukuba Hospital aims to cultivate excellent clinicians and to establish and maintain a system that enables patients to efficiently receive appropriate and integrated medical care by our team of highly specialized physicians, nurses, and technicians.

The Hospital is also designated as a “Special Functioning Hospital” that is committed to providing state-of-the-art medical care and conducting educational and research activities that promote patient care. The referral system between the University Hospital and other community hospitals and clinics is utilized to best meet the needs of each patient.



CONTENTS

The University of Tsukuba Hospital has obtained and retained ISO 9001 accreditation.

ISO 9001 is a series of standards for organizational management procedures that serve to better meet customer, employee, and stakeholder expectations. Our Hospital has maintained ISO 9001 accreditation since 2004.

The accreditation badge below indicates that the Hospital's quality management procedures meet ISO 9001: 2015 requirements.

(Certification body: BSI Group Japan)

By retaining ISO 9001 accreditation, we will continue to improve our management to better meet the expectations of patients, our hospital staff and stakeholders outside the hospital.



FS 80637 / ISO9001

Hospital Accreditation (3rd G: Ver. 2.0) Our hospital is accredited as a Hospital Type 3 and Psychiatric Hospital (secondary function).

On March 4, 2022, our hospital received renewed accreditation as a general hospital and psychiatric hospital (secondary function) from the Japan Council for Quality Health Care (hospital accreditation standards by functional category (3rd G: Ver. 2.0)).



*What is Hospital Accreditation?

This is a third-party evaluation of health care institutions conducted by the Japan Council for Quality Health Care. Among the evaluation categories, "Hospital Type 3" is mainly for hospitals that provide advanced medical care, develop and evaluate advanced medical technology, and provide training related to advanced medical care or equivalent (e.g., advanced treatment hospitals, main university hospitals, etc.).

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History

1974-2022

1974	April 1	A chief administrative officer assigned to the secretariat to prepare for the establishment of an affiliated hospital.
1975	April 1	University Hospital Startup Preparation Office established.
1976	January 31	Hospital Building (Building B) completed.
	March 27	Outpatient Clinic (Building A) and Diagnostic and treatment facilities (Building C) completed.
	May 10	Hospital Department (General Affairs, Management and Medical Affairs Divisions) established in the administrative offices. Fifteen medical departments in the Hospital, Clinical Laboratory Department, Operation Department, Radiology Department, Materials Department (current Supply Processing and Distribution Center), Pharmacy Department and Nursing Department.
	October 1	The University Hospital opened.
1977	April 18	3rd Department of Internal Medicine, Neurology, and Neurosurgery established. Department of Emergency and Department of Medical Records established.
	June 15	Special Treatment Building (Building D) completed.
1981	March 20	Wards (Building E) completed.
	April 1	Department of Childbirth established.
1982	April 1	Department of Physical Therapy established.
1985	March	Designated as tertiary emergency medical institution
1988	Mar 30	MR Building (Building F) completed.
	May 25	Graduate Clinical Training Department established.
1990	June 8	Department of Critical Care Medicine established.
1992	April 10	Department of Transfusion Medicine established.
	December	Affiliated hospital volunteer activities started.
	December 15	Extension to the outpatient building (Building A) completed.
1994	March 22	Extension of MR building (Building F) completed.
	May 20	Department of Endoscopy and Photodynamic Medicine established.
1995	April 1	Department of Medical Records reorganized into the Department of Medical Informatics. Approved as the Advanced Treatment Hospital by the Ministry of Health and Welfare (current Ministry of Health, Labor and Welfare (MHLW))
1997	April 1	Department of Pathology established.
1999	February 15	Received accreditation from the Japan Council for Quality Health Care.
2000	April 1	Department of Physical Therapy reorganized into the Rehabilitation Department.
2001	April 1	A new facility of Proton Medical Research Center completed within the Hospital.
	September 1	New facility of Proton Medical Research Center completed (annex)
2002	April 1	Quality Assurance and Risk Management Department established.
2003	March 31	Extension of MR building (Building F) completed.
	April 1	Medical Welfare Support Center established.
2004	February 15	Accreditation renewed for the Japan Council for Quality Health Care.
	March 9	ISO9001:2000 accreditation obtained.
	April 1	The University of Tsukuba established as a National University Corporation under the National University Corporation Act. Central and Special Medical Treatment facilities integrated as Clinical Facilities. Materials Department, Department of Childbirth, Graduate Clinical Training Department and Hospital Department reorganized into Supply Processing and Distribution Center, General Perinatal Treatment Center, Medical Education and Training Center and Department of University Hospital Management, respectively. Clinical Nutrition Department established. Management Division renamed Planning and Management Division.
	June 21	Strategic Management Office established.
2005	April 1	Ibaraki Prefectural Intractable Disease Consultation and Support Center established.
	June 29	Ibaraki Prefecture Incurable Disease Consultation and Support Center established.
	July 1	Palliative Care Center established. Perinatal Comprehensive Medical Center renamed Comprehensive Perinatal Maternal and Child Health Care Center.
2006	March 2	Project team for the university hospital redevelopment established at the University of Tsukuba.
	April 1	Abolished the Planning and Management Division abolished and the Management and Procurement Division and the Management Planning Division established.
	September 25	Accreditation renewed for the Japan Council for Quality Health Care.
2007	February 1	Tsukuba Human-Tissue Diagnostic Center established.
	March 9	ISO9001 accreditation renewed.
	April 1	Management and Procurement Division and Management Corporate Planning Division reorganized into Management Planning and Administration Division established.
	July 1	Clinical Tumor Center established.
	September 10	Clinical Tumor Center renamed Comprehensive Cancer Center.
	December 1	Department of Emergency and Department of Critical Care Medicine reorganized into the Department of Emergency and Critical Care Medicine.
2008	February 8	Designated as a Regional Cancer Care Hospital.
	April 1	Outpatient Chemotherapy Room established.
	July 1	Medical Equipment Management Center established.
	September 24	Received accreditation from the Japan Council for Evaluation of Postgraduate Clinical Training.
2009	April 1	Mito Clinical Education and Training Center established. Management Planning and Administration Division abolished and Management Division and Management Planning Office established.
2010	February 12	ISO9001:2008 accreditation renewed.
	April 1	ISO & Medical Services Support Department established.
	October 1	Ibaraki Clinical Education and Training Center established.
	December 3	Tsukuba Medical Laboratory of Education and Research established (industry-academia collaboration)
	December 27	Radiotherapy Quality Management Office established.
2011	January	Soyokaze Nursery opened.
	April 1	Hitachinaka Medical Education and Research Center, Clinical Trial and Research Center (CTRC) established.
	July	Tsukuba Disaster Reconstruction Emergency and Medical management (T-DREAM) established.

2012	April 1	■	Infection Control Department, Hitachi Medical Education and Research Center, Tsuchiura Clinical Education and Training Station established. Management Planning Office renamed Management Planning Division.
	June 18	■	Office for the Promotion of International Medical Affairs (OPIMA) established.
	July 1	■	English language name of the hospital changed to the University of Tsukuba Hospital. Ibaraki Pediatric Education and Research Station established.
	September 10	■	Clinical Trial and Research Network Ibaraki established.
	September 30	■	New building (KEYAKI Building) completed.
	November 1	■	Medical Welfare Support Center renamed Regional Medical Liaison and Patient Support Services Center.
	November	■	Tsukuba Next Generation Molecular Imaging Center (current Advanced Imaging Center (AIC)) established (industry-academia collaboration)
	December 1	■	Office for Volunteer Services established.
	December 26	■	Use of the new building (KEYAKI Building) starts.
	2013 January 1	■	Designated by Ibaraki Prefecture as an emergency medical center for children. Children's Medical Center and Pediatric Intensive Care Unit established.
	February 1	■	Hospital Bed Management Center established.
	February 8	■	ISO9001:2008 accreditation renewed.
	April 1	■	Dementia-Related Diseases Medical Center established. Designated by Ibaraki Prefecture as a hub-type dementia medical care center. The Division for Strategic Research in Advanced Particle Therapy, Laboratory for Neutron Medical Research established at the Proton Medical Research Center. Management Division and Management Planning Division abolished and Hospital Management Division and Development Promotion Division established.
	September 1	■	Tsukuba-city Birth Center established.
2013	October 1	■	Clinical Psychology Department established.
	November 1	■	Tsukuba Human Tissue Biobank Center established. Designated by Ibaraki Prefecture as a hub-type dementia medical care center.
	2014 January 1	■	Regional Medical Welfare Support Center renamed Medical Liaison and Patient Support Services Center. Center for Innovative Medicine and Engineering established.
	January 6	■	Accreditation renewed for the Japan Council for Quality Health Care.
	July 16	■	Toride Community Medical Education Station established.
2014	Oct 1	■	Proton Beam Therapy Center established.
	2015 January 1	■	Rehabilitation Department established.
	March 1	■	Department of Medical Informatics renamed the Department of Medical Informatics, Strategic Planning, and Management.
	April 1	■	Medical Oncology Department and Comprehensive Disaster and Emergency Management Office established. Tsuchiura Clinical Education and Training Station reorganized into Tsuchiura Clinical Education and Training Center. Soyokaze Nursery and Toyurinoki Nursery reorganized into Yurinoki Nursery.
	June 1	■	Tsukuba Clinical Research & Development Organization (T-CReDO) established.
2015	July 1	■	Kamisu Clinical Education and Training Center established.
	August 1	■	Department of Clinical Genetics established.
	September 1	■	'Kiri no ha (Paulownia Leaf)' Library for patients established.
	October 1	■	Tsukuba Sports Medicine & Health Science Center established.
	2016 April 1	■	Ibaraki Prefectural Center of Disaster Psychiatry established. Hospital Management Division abolished and Planning and Management Division and Strategic Management Division established. Medical Affairs Division renamed Division of Patient Service; Office for the Promotion of International Medical Affairs (OPIMA) renamed the International Medical Center.
2016	October 1	■	Tsukuba Preventive Medicine Research Center established.
	December	■	Certified as the recommended hospital of "Japan International Hospitals (JIH)"
	2017 March 1	■	Designated as a nuclear emergency core hospital.
	April 1	■	Certified as the Hospital with Quality Ethical Review Committees by MLHW. Stroke Treatment Section and Division of Quality and Safety Management established.
	2018 April 1	■	Designated as an allergic disease medical hospital and an intractable disease treatment core hospital by Ibaraki Prefecture. General Internal Medicine Section, Advanced Emergency Center, Medical Center for Intractable Diseases and Western Ibaraki Prefectural Joint Center for Clinical Education and Training established.
2018	2019 April 1	■	"Department (Group)" renamed "Department". Nutrition Support Center established. Antimicrobial Stewardship Center and Koga-Bando Clinical Education and Training Center established. Division of Planning and Hospital Management abolished and Division of Hospital Redevelopment Promotion and Division of Accounting established.
	2019 July 1	■	Epilepsy Center established.
	September 1	■	Designated as the core hospital for cancer genome medical care.
	September 6	■	Received the Japan Medical Service Accreditation for International Patients (JMIP).
	2020 April 1	■	Department of Emergency and Critical Care Medicine reorganized into Advanced Emergency and Critical Care Center. Kiri no ha Mall (Amenity Mall) opened. Division of Patient Services renamed Division of Medical Support. Physician's Affairs Support Office established.
2019	October	■	Repair work to Building B launched.
	2021 April 1	■	Office for the Promotion of Regenerative Medicine established. Joint use of the KEYAKI Annex Building launched.
	September 25	■	Accreditation renewed for the Japan Council for Quality Health Care.
	October 1	■	Dysphagia Support Center established.
	2022 March 9	■	ISO9001:2015 accreditation renewed.
2020	April 1	■	Department of Palliative and Supportive Care established Medical Equipment Management Center reorganized into Department of Clinical Engineering.
	May 18	■	Certified as pancreas transplantation institution.
	July 1	■	Ibaraki Prefectural Comprehensive Support Center for Stroke and Heart Disease Patients established.

TOPICS

Establishment of the Department of Palliative and Supportive Care

The Department of Palliative and Supportive Care was established on April 1, 2022 to examine and care for patients and the families of those with serious illnesses such as cancer, chronic heart failure, chronic obstructive pulmonary disease, and chronic kidney disease, especially those who need specialized palliative care.

While treatments for many intractable diseases have been developed and average life expectancy is increasing, the number of patients that need ongoing treatment is also increasing. In cancer care in particular, improving patient QOL during treatment has become a priority policy issue, and a system to provide palliative care seamlessly from the early stage to the terminal stage is required.

In the treatment and care of serious diseases, the Department of Palliative and Supportive Care first helps ease painful symptoms and considers with the patient what kind of treatment and care is right for them. In addition, as the disease progresses, the patient's state of consciousness may deteriorate and it may become difficult for them to make appropriate decisions about treatment and care. Therefore, we are focusing on practicing "advance care planning," in which we discuss with the patient and their family members what kind of treatment and care the patient would like to receive in preparation for the progression of the disease.



Diagram of home healthcare



Diagram of multidisciplinary conference

New generation particle therapy enables provision of more high-precision radiotherapy

The Proton Beam Therapy Center at the University of Tsukuba Hospital has long been the leader of proton therapy in Japan, with a history dating back about 40 years. Proton therapy has the advantage of being able to treat cancer with pinpoint accuracy, preserve organ function and morphology as much as possible, and treat the elderly and patients with complications. The number of liver cancer cases treated at the Center is the highest in the world, and the number of pediatric cancer cases treated is the highest in Japan. Furthermore, over the years we have trained medical staff involved in proton therapy, and professionals associated with the Center are affiliated in major particle therapy facilities throughout the country.

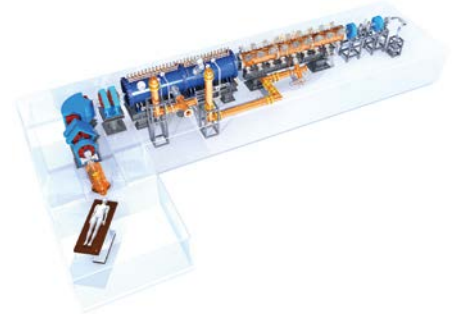
Last fiscal year, the development of a new facility began due to the aging of the current one, and in FY2025, a new facility with treatment equipment that can achieve even more precise treatment with high efficiency is scheduled to begin operation.

In addition, we have almost completed pre-clinical studies of the treatment devices using boron neutron capture therapy (BNCT), and are preparing for physician-led clinical trials for malignant brain tumors and regulatory approval of the treatment devices with related companies. We aim to start insurance-covered treatment in several years.

We will be able to provide more high-precision radiotherapy to more patients by expanding the number of diseases covered by insurance for proton therapy and implementing the latest treatment equipment based on our abundant experience. We will continue to develop new treatment techniques with the aim of setting the next global standard, and fulfill our role as the only advanced treatment hospital in Ibaraki Prefecture.



Diagram of the new Proton Beam Therapy Center

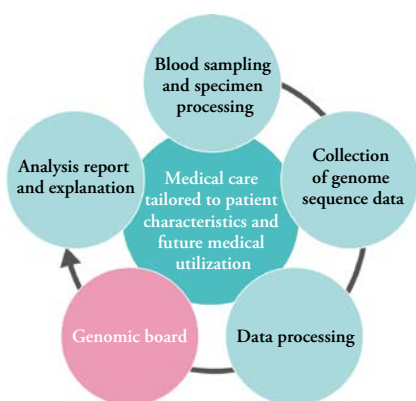


Tsukuba BNCT treatment device
(image of future commercial machine)

Opening of the first genome dock in Japan



Image courtesy of Robotic Biology Institute Inc.



Since July 2021, the University of Tsukuba Hospital has been conducting the “Genome Dock,” a new attempt to share information useful for diagnosis and treatment of diseases through human genome analysis. In collaboration with the Tsukuba Preventive Medicine Research Center and iLAC, a venture company of the University, we collect and analyze genome data in detail, and aim to share useful information for personal health management.

We have identified 125 genes related to cancer, heart disease, and other diseases as the targets. After data processing, a “Genomic board,” an expert committee consisting of specialists in each medical field, deliberates on the significance of the results and then prepares a report. When the results are returned, a clinical genetic specialist and a certified genetic counselor are present to explain the results. So far, four out of 24 patients have been found to have genetic mutations of pathological significance, and advice on lifestyle changes and specific medical checkups have been provided.

This is the first such system in Japan that provides analysis based on scientific evidence and appropriately returns the results from a medical perspective. In FY2022, with the cooperation of external medical institutions, we began offering this service in Tokyo.

Development of disaster control and infectious disease countermeasure systems based on hydrogen fuel cell buses



Mobile testing room



PCR testing for essential workers (February 24, 2022, two buses operating simultaneously)

This research was conducted in collaboration with the University of Tsukuba, private companies, medical institutions, and public transportation agencies during FY2021 for the development, demonstration, and social implementation of “disaster medical mobility” with disaster control and infectious disease countermeasure systems based on hydrogen fuel cell buses in the event of a large-scale disaster.

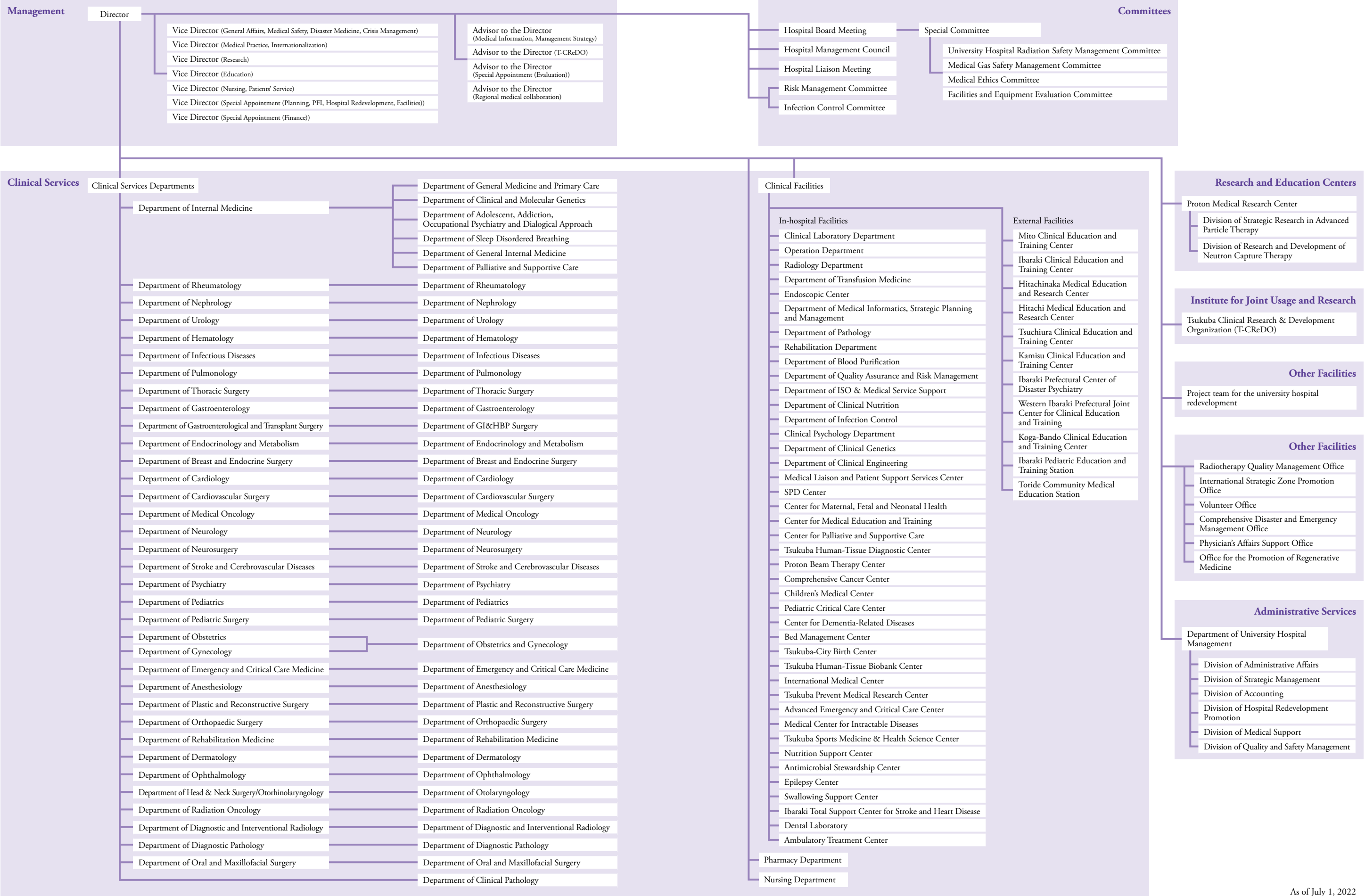
We have developed two hydrogen fuel cell buses: a large bus that can test a large number of patients in a short time (3,000 cases/day) and a minibus that is highly mobile and can test in a confined space (1,320 cases/day). These buses are characterized by their rapid testing capability, from patient reception to results reporting in as little as 40 minutes (approximately one hour even when processing a large volume of specimens). (Principal Investigator: Prof. Hiromichi Suzuki, Faculty of Medicine/Social Implementation Leader: Kenji Suzuki, Faculty of Engineering, Information and Systems.)

In the development of the vehicles, we set several issues to be resolved such as “Can hydrogen fuel cells meet the power quality and cover the power capacity required by medical equipment?” “Can the hydrogen fuel cell buses maintain quietness and zero emission features?” “Can power be supplied from the vehicles to the building, etc.?” and “Can the functions be flexibly converted to meet the needs at the disaster site?”

In response to a request from Ibaraki Prefecture, we also dispatched a hydrogen fuel cell bus to conduct PCR testing for essential workers such as healthcare professionals designated as a close contact person. A drive-through format was adopted to allow people to submit specimens while still in their own vehicles. In order to contribute to

early return to work, prevention of clustering, and maintenance of social activities in the prefecture, 2,698 people were tested between February and March 2022, and in response to the needs of the prefecture, we have continued this service since April of the same year.

Organizational Chart



As of July 1, 2022

Clinical Departments

Clinical Services Departments	Clinical Departments
Department of Internal Medicine	Department of General Medicine and Primary Care Department of Clinical and Molecular Genetics Department of Adolescent, Addiction, Occupational Psychiatry and Dialogical Approach Department of Sleep Disordered Breathing Department of General Internal Medicine Department of Palliative and Supportive Care
Department of Rheumatology	Department of Rheumatology
Department of Nephrology	Department of Nephrology
Department of Urology	Department of Urology
Department of Hematology	Department of Hematology
Department of Infectious Diseases	Department of Infectious Diseases
Department of Pulmonology	Department of Pulmonology
Department of Thoracic Surgery	Department of Thoracic Surgery
Department of Gastroenterology	Department of Gastroenterology
Department of Gastroenterological and Transplant Surgery	Department of GI&HBP Surgery
Department of Endocrinology and Metabolism	Department of Endocrinology and Metabolism
Department of Breast and Endocrine Surgery	Department of Breast and Endocrine Surgery
Department of Cardiology	Department of Cardiology
Department of Cardiovascular Surgery	Department of Cardiovascular Surgery
Department of Medical Oncology	Department of Medical Oncology
Department of Neurology	Department of Neurology
Department of Neurosurgery	Department of Neurosurgery
Department of Stroke and Cerebrovascular Diseases	Department of Stroke and Cerebrovascular Diseases
Department of Psychiatry	Department of Psychiatry
Department of Pediatrics	Department of Pediatrics
Department of Pediatric Surgery	Department of Pediatric Surgery
Department of Obstetrics	Department of Obstetrics and Gynecology
Department of Gynecology	
Department of Emergency and Critical Care Medicine	Department of Emergency and Critical Care Medicine
Department of Anesthesiology	Department of Anesthesiology
Department of Plastic and Reconstructive Surgery	Department of Plastic and Reconstructive Surgery
Department of Orthopaedic Surgery	Department of Orthopaedic Surgery
Department of Rehabilitation Medicine	Department of Rehabilitation Medicine
Department of Dermatology	Department of Dermatology
Department of Ophthalmology	Department of Ophthalmology
Department of Head & Neck Surgery/ Otorhinolaryngology	Department of Otolaryngology
Department of Radiation Oncology	Department of Radiation Oncology
Department of Diagnostic and Interventional Radiology	Department of Diagnostic and Interventional Radiology
Department of Diagnostic Pathology	Department of Diagnostic Pathology
Department of Oral and Maxillofacial Surgery	Department of Oral and Maxillofacial Surgery

Clinical Departments

Department of Clinical Pathology

Number of Staff

As of May 1, 2022

Category	Full-time	Part-time	Total
Faculty Member (Faculty of Medicine)	247	0	247
Clinical Lecturer	65	0	65
Clinical Assistant Professor	54	0	54
Researcher	2	5	7
Senior Resident	0	250	250
Junior Resident	0	68	68
Clinical Assistant	0	52	52
Hospital Registered Doctor	0	89	89
Nurse	919	26	945
Midwife	70	4	74
Public Health Nurse	1	0	1
Assistant Nurse	1	43	44
Pharmacist	76	3	79
Radiological Technologist	57	1	58
Laboratory Technician	72	11	83
Clinical Engineer	34	1	35
Physical Therapist	37	1	38
Occupational Therapist	16	0	16
Speech-Language-Hearing Therapist	10	2	12
Dental Technician	1	1	2
Dental Hygienist	2	0	2
Orthoptist	3	3	6
Endoscope Technician	0	0	0
Dietician	23	1	24
Cook	18	0	18
Clinical Psychotherapist	7	0	7
Psychiatric Social Worker	1	0	1
Medical Social Worker	12	0	12
Health Information Manager	9	0	9
Medical Technician	5	0	5
Technical Official	32	20	52
Childcare Worker	3	2	5
Administrative Staff	208	71	279
Total	1,985	654	2,639

*For Assistant Administrative Staffs and Senior Staffs, it is calculated by the figures of an Administrative Staff (part-time).

*For Assistant Technical Staffs and Assistant Skilled Staffs, it is calculated by the figures of a Technical Staff (part-time).

*For Assistant Skilled Staffs and Senior Staffs who belong to the Nursing Department, it is calculated by the figures of an Assistant Nurse (part-time).

*For Assistant Technical Staffs in the Children's Medical Center, it is calculated by the figures of a Nursery Staff.

Chief/Director of Clinical Services and Departments

As of April 1, 2022

Director	Vice President • Executive Director	HARA Akira
Vice Director	Professor	HIZAWA Nobuyuki
Vice Director	Professor	HIRAMATSU Yuji
Vice Director	Professor	NISHIYAMA Hiroyuki
Vice Director	Professor	MAENO Tetsuhiro
Vice Director	Nursing Director	SHINOZAKI Mayumi
Vice Director	Professor	ODA Tatsuya
Vice Director	Director, Department of University Hospital Management	TAKAMIZAWA Akihiko
Advisor to the Director	Professor	OHARA Makoto
Advisor to the Director	Professor	ARAKAWA Yoshihiro
Advisor to the Director	Clinical Professor	FURUTA Junichi
Advisor to the Director	Clinical Professor	HAMANO Jun

Department Chair		
Department of Cardiology	Professor	IEDA Masaki
Department of Cardiovascular Surgery	Professor	HIRAMATSU Yuji
Department of Gastroenterology	Professor	TSUCHIYA Kiichiro
Department of GI&HBP Surgery	Professor	ODA Tatsuya
Department of Pulmonology	Professor	HIZAWA Nobuyuki
Department of Thoracic Surgery	Professor	SATO Yukio
Department of Nephrology	Professor	YAMAGATA Kunihiro
Department of Urology	Professor	NISHIYAMA Hiroyuki
Department of Endocrinology and Metabolism	Professor	SHIMANO Hitoshi
Department of Breast and Endocrine Surgery	Professor	HARA Hisato
Department of Rheumatology	Professor	MATSUMOTO Isao
Department of Hematology	Professor	CHIBA Shigeru
Department of Psychiatry	Professor	ARAI Tetsuaki
Department of Dermatology	Professor	NOMURA Toshifumi
Department of Pediatrics	Professor	TAKADA Hidetoshi
Department of Pediatric Surgery	Professor	MASUMOTO Kouji
Department of Plastic and Reconstructive Surgery	Professor	SEKIDO Mitsuru
Department of Neurology	Clinical Professor	ISHII Kazuhiro
Department of Neurosurgery	Professor	ISHIKAWA Eiichi
Department of Stroke and Cerebrovascular Diseases	Professor	MATSUMARU Yuji
Department of Orthopaedic Surgery	Professor	YAMAZAKI Masashi
Department of Rehabilitation Medicine	Professor	HADA Yasushi
Department of Ophthalmology	Professor	OSHIKA Tetsuro
Department of Obstetrics and Gynecology	Professor	SATO Toyomi
Department of Otolaryngology	Professor	TABUCHI Keiji
Department of Anesthesiology	Professor	TANAKA Makoto
Department of Oral and Maxillofacial Surgery	Professor	BUKAWA Hiroki
Department of Adolescent, Addiction, Occupational Psychiatry and Dialogical Approach	Professor	MATSUZAKI Ichiyo
Department of Emergency and Critical Care Medicine	Professor	INOUE Yoshiaki
Department of Radiation Oncology	Professor	SAKURAI Hideyuki
Department of Diagnostic and Interventional Radiology	Professor	NAKAJIMA Takahito

Department Chair		
Department of Infectious Diseases	Professor	SUZUKI Hiromichi
Department of General Medicine and Primary Care	Professor	MAENO Tetsuhiro
Department of Diagnostic Pathology	Professor	MATSUBARA Daisuke
Department of Clinical Pathology	Professor	KAWAKAMI Yasushi
Department of Clinical and Molecular Genetics	Professor	NOGUCHI Emiko
Department of Sleep Disordered Breathing	Professor	HIZAWA Nobuyuki
Department of Medical Oncology	Professor	SEKINE Ikuo
Department of General Internal Medicine	Clinical Professor	SHIMOJO Nobutake
Department of Palliative and Supportive Care	Professor	KIZAWA Yoshiyuki

Clinical Facilities		
Clinical Laboratory Department	Professor	KAWAKAMI Yasushi
Operation Department	Professor	ODA Tatsuya
Radiology Department	Professor	NAKAJIMA Takahito
Department of Transfusion Medicine	Clinical Professor	NISHIKII Hidekazu
Endoscopic Center	Assistant Professor	NARASAKA Toshiaki
Department of Medical Informatics, Strategic Planning and Management	Professor	OHARA Makoto
Department of Pathology	Professor	MATSUBARA Daisuke
Rehabilitation Department	Professor	HADA Yasushi
Department of Blood Purification	Professor	YAMAGATA Kunihiro
Department of Quality Assurance and Risk Management	Professor	HOMMA Satoshi
Department of ISO & Medical Service Support	Clinical Professor	FURUTA Junichi
Department of Clinical Nutrition	Professor	MASUMOTO Kouji
Department of Infection Control	Professor	HITOMI Shigemi
Clinical Psychology Department	Professor	ARAI Tetsuaki
Department of Clinical Genetics	Professor	NOGUCHI Emiko
Department of Clinical Engineering	Clinical Professor	YAMAMOTO Sumii
Medical Liaison and Patient Support Services Center	Clinical Professor	HAMANO Jun
SPD Center	Professor	SATO Yukio
Center for Maternal, Fetal and Neonatal Health	Professor	TAKADA Hidetoshi
Center for Medical Education and Training	Clinical Professor	SEO Emiko
Center for Palliative and Supportive Care	Professor	KIZAWA Yoshiyuki
Tsukuba Human-Tissue Diagnostic Center	Professor	MATSUBARA Daisuke
Proton Beam Therapy Center	Professor	SAKURAI Hideyuki
Comprehensive Cancer Center	Professor	SEKINE Ikuo
Children's Medical Center	Professor	TAKADA Hidetoshi
Pediatric Critical Care Center	Professor	HIRAMATSU Yuji
Center for Dementia-Related Diseases	Professor	ARAI Tetsuaki
Bed Management Center	Professor	HIRAMATSU Yuji
Tsukuba Human-Tissue Biobank Center	Professor	NISHIYAMA Hiroyuki
International Medical Center	Professor	HIRAMATSU Yuji
Ibaraki Prefectural Center of Disaster Psychiatry	Professor	TACHIKAWA Hirokazu
Tsukuba Prevent Medical Research Center	Clinical Professor	SUZUKI Hideo
Advanced Emergency and Critical Care Center	Professor	INOUE Yoshiaki
Medical Center for Intractable Diseases	Professor	YAMAGATA Kunihiro

Clinical Facilities		
Tsukuba Sports Medicine & Health Science Center	Professor	YAMAZAKI Masashi
Nutrition Support Center	Professor	MASUMOTO Kouji
Antimicrobial Stewardship Center	Professor	HITOMI Shigemi
Epilepsy Center	Professor	ISHIKAWA Eiichi
Swallowing Support Center	Clinical Professor	WADA Tetsuro
Ibaraki Total Support Center for Stroke and Heart Disease	Professor	HIRAMATSU Yuji
Dental Laboratory	Professor	BUKAWA Hiroki
Ambulatory Treatment Center	Professor	SEKINE Ikuo
Mito Clinical Education and Training Center	Professor	KOBAYASHI Hiroyuki
Ibaraki Clinical Education and Training Center	Professor	SUZUKI Yasuyuki
Hitachinaka Medical Education and Research Center	Vacancy	
Hitachi Medical Education and Research Center	Professor	KOMATSU Yoji
Tsuchiura Clinical Education and Training Center	Professor	FUKUDA Taeko
Tsukuba-City Birth Center	Professor	HAMADA Hiromi
Kamisu Clinical Education and Training Center	Professor	NISHI Isao
Western Ibaraki Prefectural Joint Center for Clinical Education and Training	Vacancy	
Koga-Bando Clinical Education and Training Center	Professor	TAKEDA Taichi
Ibaraki Pediatric Education and Training Station	Vacancy	
Toride Community Medical Education Station	Professor	YATO Shigeru

Other Facilities		
Radiotherapy Quality Management Office	Professor	SAKAE Takeji
International Strategic Zone Promotion Office	Professor	SAKURAI Hideyuki
Volunteer Office	Nursing Director	SHINOZAKI Mayumi
Comprehensive Disaster and Emergency Management Office	Professor	HIZAWA Nobuyuki
Physician's Affairs Support Office	Professor	HIRAMATSU Yuji
Office for the Promotion of Regenerative Medicine	Professor	KANEKO Shin
Pharmacy Department	Professor	HOMMA Masato
Nursing Department		SHINOZAKI Mayumi
Department of University Hospital Management		TAKAMIZAWA Akihiko
Division of Administrative Affairs		ONUKI Yasushi
Division of Strategic Management		EBITSUBO Masatoshi
Division of Accounting		YAMAGUCHI Takashi
Division of Hospital Redevelopment Promotion		INOUE Kouichi
Division of Medical Support		NOGUCHI Kenji
Division of Quality and Safety Management		OHTSUKA Hideo

Research and Education Centers		
Proton Medical Research Center	Professor	SAKAE Takeji
Division of Strategic Research in Advanced Particle Therapy	Professor	SAKURAI Hideyuki
Division of Research and Development of Neutron Capture Therapy	Associate Professor	NAKAI Kei

Institute for Joint Usage and Research		
Tsukuba Clinical Research & Development Organization	Professor	ARAKAWA Yoshihiro

Designated Special Functions of the Hospital

List of facility criteria notification

Facility criteria	Designation dates
Basic medical fees	
Initial dental visit to regional dentistry support hospitals	April 1, 2010
Additional outpatient dental care environment system 2	December 1, 2020
Special dental treatment	April 1, 2010
Standard hospitalization in advanced treatment hospitals	October 1, 2016
Emergency medical management	April 1, 2020
Hyperacute cerebral apoplexy	April 1, 2008
Medical records management system 1	July 1, 2014
Medical clerk auxiliary system 1 (15:1)	July 1, 2019
Acute phase nursing auxiliary system (50:1)	August 1, 2015
Nighttime placement of nursing staff (12:1)	April 1, 2017
Healthcare environment	July 1, 2009
Special addition for healthcare environment for serious patients	July 1, 2007
Sterile preparation and treatment 1	April 1, 2012
Sterile preparation and treatment 2	April 1, 2012
Radiation therapy room management (radioisotope for treatment)	April 1, 2022
Palliative medicine	April 1, 2008
Management of physical complications in psychiatric departments	April 1, 2008
Psychiatric liaison team	April 1, 2016
Eating disorder hospitalization and treatment management	September 1, 2014
Nutrition support team	December 1, 2018
Medical safety measures 1	April 1, 2008
Improved infection control measures 1	April 1, 2022
Strengthening of guidance as stipulated in Note 2 of the additional fee for improved infection control measures	April 1, 2022
Bedsore patient management	May 1, 2019
High risk pregnancy management	April 1, 2009
High-risk delivery management	April 1, 2009
Breathing care team	May 1, 2011
Inpatient pharmaceutical service 1	June 1, 2012
Inpatient pharmaceutical service 2	April 1, 2016
Data reporting	October 1, 2012
Hospitalization and discharge support adjustments	June 1, 2012
Hospitalization and discharge support adjustments (Hospitalization support adjustment as described in Note 7)	August 1, 2018
Care for high risk patients of delirium	April 1, 2020
Psychiatric disorder treatment management system	November 1, 2016
Psychiatric physician staffing for acute phase treatment	April 1, 2016
Regional healthcare system assurance	April 1, 2020
Intensive care unit management 4	April 1, 2016
Intensive care unit management 4 (Criteria regarding the maximum number of calculation days as described in Note 1)	April 1, 2022
Intensive care unit management 4 (Early mobilization and rehabilitation as described in Note 4)	April 1, 2018
Intensive care unit management (Early nutrition intervention management as described in Note 5)	July 1, 2022
High-care unit hospitalization management 1	April 1, 2014
Stroke care unit hospitalization management	October 1, 2018
Neonatal intensive care unit management	October 1, 2014
Neonatal care unit hospitalization medical management	April 1, 2010
Pediatric hospitalization and treatment management 1	June 1, 2017
Pediatric hospitalization and treatment management 1 (Implementation of ward pharmaceutical services as described in Note 9)	April 1, 2022
Short-term stay operation basic fee 1	October 1, 2002
Specialty designated medical fees	
Remote monitoring stipulated in Note 5 of cardiac pacemaker guidance management	April 1, 2020
Diabetic complications management	December 1, 2008
Cancer pain palliative guidance management	April 1, 2010
Cancer patient guidance management (i)	April 1, 2010
Cancer patient guidance management (ii)	October 1, 2014
Cancer patient guidance management (iii)	March 1, 2015
Cancer patient guidance management (iv)	April 1, 2020
Outpatient palliative care management	September 1, 2012
Post-transplant patient guidance management (after organ transplantation)	January 1, 2018
Post-transplant patient guidance management (after hematopoietic stem cell implant)	July 1, 2012
Diabetic dialysis prevention guidance management	June 1, 2012
Severe mastitis prevention and care guidance	April 1, 2018
Gynecological specific disease treatment management	April 1, 2020
Renal replacement therapy guidance management	April 1, 2020
Infertility treatment management	April 1, 2022
Assisted reproductive technology management 2	April 1, 2022
Secondary fracture prevention continuous management 1	April 1, 2022
Secondary fracture prevention continuous management 3	April 1, 2022
Lower extremity wound treatment	April 1, 2022
In-hospital triage	May 1, 2015
Outpatient radiotherapy	April 1, 2012
Outpatient Chemotherapy 1	April 1, 2022
Nicotine dependency guidance management	March 1, 2009
Additional consultation support (as described in guidance on balancing medical treatment and work Note 3)	May 1, 2021
Cancer treatment coordination planning	November 1, 2011
Guidance to high-risk nursing mothers 1	April 1, 2018
Guidance to high-risk nursing mothers 2	April 1, 2018
Interferon treatment planning for hepatitis	April 1, 2010
Clinical pharmacy services	April 1, 2010
Examination and image information provision and electronic medical information evaluation	November 1, 2016
Medical Equipment Safety Management 1	April 1, 2008
Medical Equipment Safety Management 2	August 1, 2011
Medical Equipment Safety Management (Dentistry)	December 1, 2011
General medical management regulated in Note 11 of odontology management and dental treatment management	April 1, 2010
Guidance and management regarding non-pulsatile ventricular assist device (at home)	September 1, 2017
Guidance and management regarding tumor treating fields (at home)	April 1, 2018
Guidance and management regarding transanal irrigation (at home)	April 1, 2018
Continuous blood glucose monitor (using a continuous glucose meter that is linked to an intermittent infusion syringe pump) and [Subcutaneous] continuous glucose monitoring	April 1, 2014
Continuous blood glucose monitor (using a continuous glucose meter that is not linked to an intermittent infusion syringe pump)	April 1, 2020
Genetic testing	November 1, 2016
MRD measurements	August 1, 2019
BRCA1/2 gene test	April 1, 2020
Cancer genome profiling test	April 1, 2020
Congenital metabolic disorder test	April 1, 2020
Anti-AAV9 antibody	April 1, 2022
Anti-HLA antibody test (screening and specificity identification)	June 1, 2018
HPV nucleic acid amplification testing (including the simple genotype method)	April 1, 2014
Sample testing management (IV)	December 1, 2012
International standard testing management	December 1, 2018
Genetic counseling	April 1, 2008
Genetic tumor counseling	April 1, 2020
Angioscopy testing by cardiac catheterization tests	April 1, 2008
Walk tests and shuttle walking test	June 1, 2012
Fetal echocardiography	April 1, 2010
Head-up tilt (HUT) test	July 1, 2012
[Subcutaneous] Continuous glucose monitoring	April 1, 2010
Long-term continuous intracranial electroencephalography	May 1, 2008
Long-term electroencephalogram simultaneous recording test examination 1	October 1, 2020

Facility criteria	Designation dates
Electroencephalographic examination 1	December 1, 2020
Neurological examination	April 1, 2008
Hearing aid fitting examination	April 1, 2007
Full-field precise ERG	April 1, 2020
Low-vision diagnosis	September 1, 2018
Contact lens testing 1	April 1, 2008
Pediatric food allergy challenge testing	April 1, 2006
Oral administration/IV provocation testing	April 1, 2010
CT fluoroscopic-guided bronchoscopy	July 1, 2017
Semmes-Weinstein monofilament test	March 1, 2019
Diagnostic Imaging Management 1	November 1, 2018
Diagnostic Imaging Management 3	June 1, 2018
Remote image diagnosis	April 1, 2017
CT/MRI imaging	April 1, 2014
Coronary artery CT scanning	January 1, 2009
Computed tomography-based fractional flow reserve	July 1, 2020
Cardiac MRI scanning	January 1, 2009
Breast MRI scanning	April 1, 2016
MRI scanning of pediatric patient under anesthesia	April 1, 2018
Head MRI scanning	June 1, 2018
Anti-cancer drugs prescription management	April 1, 2010
Outpatient chemotherapy 1	April 1, 2009
Sterilization Treatment for Pharmaceutical Preparations	April 1, 2008
Cerebrovascular disease rehabilitation (I)	October 1, 2013
Cerebrovascular disease rehabilitation (II)	April 1, 2008
Musculoskeletal rehabilitation (I)	April 1, 2010
Respiratory rehabilitation (I)	July 1, 2006
Eating and swallowing function recovery 2 (as described Note 3 of Eating Function therapy)	May 1, 2022
Cancer patient rehabilitation	May 1, 2012
Dental intraoral rehabilitation fee 2	June 1, 2014
Psychiatric short care (large scale)	August 1, 2016
Psychiatric day care (large scale)	August 1, 2016
Medical care and protection	April 1, 2004
Local ethanol injection (into the thyroid gland)	April 1, 2010
Local ethanol injection (into the parathyroid gland)	April 1, 2010
Artificial kidney	April 1, 2018
Artificial kidney induction phase 2 and kidney replacement therapy outcome	April 1, 2018
Quality assurance for dialysis fluid and hemodiafiltration	August 1, 2013
LDL apheresis therapy for diabetic nephropathy with severe urinary protein associated with refractory hypercholesterolemia (as described in Note 2 of plasma exchange therapy)	April 1, 2022
Plasma exchange therapy in the treatment of post-transplant antibody-mediated rejection (as described in Note 3 of plasma exchange therapy)	April 1, 2022
Bipedal Locomotion (with a robot suit)	May 1, 2018
Surgical microscope	December 1, 2020
CAD/CAM crown and inlay	April 1, 2016
Dental techniques in plate denture repair and relining 1 and 2	April 1, 2010
Malignant skin tumor resection (only in case of calculating sentinel lymph node biopsy)	April 1, 2010
Autologous fat injection	July 1, 2022
Reconstructive surgery using tissue expander (limited to reconstructive breast surgery only)	July 18, 2013
Surgery for ossification of posterior longitudinal ligament (direct anterior method)	April 1, 2018
Chemonucleolysis	April 1, 2020
Total en bloc spondylectomy	January 1, 2018
Photodynamic therapy for malignant brain tumors	April 1, 2017
Endoscopic brain tumor biopsy and resection	April 1, 2022
Cranioplasty (limited to cases involving bone grafting)	April 1, 2008
Brain stimulator implantation (including intracranial electrode implantation) and replacement	March 1, 2008
Spinal cord stimulator implantation and replacement	January 1, 2003
Spinal adhesive arachnoiditis surgery (with spinal arachnoid dissection)	April 1, 2022
Malignant keratoconjunctive tumor resection	April 1, 2022
Corneal Transplantation (DSAEK)	April 1, 2020
Glaucoma surgery (implantation of the glaucoma-treating implant (with a plate))	April 1, 2014
Glaucoma surgery (trabeculectomy)	April 1, 2022
Glaucoma surgery (Use of iStent trabecular microbypass in combination with cataract surgery)	April 1, 2018
Glaucoma surgery (needling)	April 1, 2022
Retinal reconstruction	April 1, 2014
Transcatheter endoscopic tympanoplasty	April 1, 2022
bone-anchored hearing aid implantation (direct vibration)	April 1, 2022
Artificial middle ear implantation	April 1, 2018
Cochlear implantation, bone-anchored hearing aid implantation and replacement and artificial middle ear materials	May 1, 2007
Endoscopic endonasal sinus Surgery Type V (extended endonasal sinus surgery)	April 1, 2014
Transnasal endoscopy malignant rhinosinusitis tumor surgery (with skull base dissection and reconstruction)	April 1, 2022
Ano-Gnathoplasty (limited to cases involving bone displacement), Lower jawbone Gnathoplasty (limited to cases involving bone displacement)	May 1, 2019
Ano-Gnathoplasty (limited to cases involving bone displacement), Lower jawbone Gnathoplasty (limited to cases involving bone displacement)	April 1, 2014
Endoscopic partial thyroidectomy, adenoma extirpation, endoscopic subtotal thyroidectomy in Graves' Disease patients (both lobes), Endoscopic parathyroid adenoma/hyperplasia operations	April 1, 2016
Endoscopic surgery on malignant thyroid tumors	April 1, 2018
Breast cancer sentinel lymph nodes 1 and sentinel lymph node biopsy (multiple biopsy)	April 1, 2010
Breast cancer sentinel lymph nodes 2 and sentinel lymph node biopsy (single biopsy)	April 1, 2010
Malignant mammary neoplasm operations (nipple-sparing mastectomy (without axillary dissection) and nipple-sparing mastectomy (with axillary dissection))	April 1, 2016
Reconstructive breast surgery using gel filled implant (after mastectomy)	July 18, 2013
Thorascopic extended thymectomy (using endoscopic operation assisting devices)	April 1, 2020
Thorascopic malignant mediastinal tumor surgery (using endoscopic operation assisting devices)	December 1, 2018
Thorascopic benign mediastinal tumor surgery (using endoscopic operation assisting devices)	December 1, 2018
Resection for malignant lung tumors (limited to total removal of parietal and visceral pleura (with diaphragm and pericardial resection))	April 1, 2016
Thorascopic malignant mediastinal tumor surgery (using endoscopic operation assisting devices)	August 1, 2019
Thorascopic malignant lung tumor surgery (lung resection with tracheoplasty)	April 1, 2022
Endoscopic suture of esophagus, endoscopic intragastric surgery, duodenal perforation fistula closure, Endoscopic closure of gastrostomy, Endoscopic closure of small intestine stoma, Endoscopic closure of colostomy, Endoscopic closure of nephrostomy or pyelostomy, Endoscopic closure of fistula involving bladder and intestine, Endoscopic closure of vaginocervical fistula	April 1, 2018
Percutaneous coronary angioplasty (using special catheter)	February 1, 2015
Thorascopic valve reconstruction	April 1, 2018
Transcatheter aortic valve replacement	April 1, 2018
Thorascopic valve replacement	September 1, 2015
Mitra Clip	January 1, 2019
Atherectomy: Left atrial appendage occlusion (transcatheter surgery)	April 1, 2020
Percutaneous transluminal septal myocardial ablation	September 1, 2017
Pacemaker implantation and replacement	April 1, 1998
Pacemaker implantation and replacement (leadless pacemaker)	April 1, 2018
Biventricular pacemaker implantation and replacement (transvenous electrodes)	April 1, 2004
Biventricular pacemaker implantation and replacement (using myocardial electrodes)	April 1, 2020
Cardioverter defibrillator implant (using the transvenous lead or the subcutaneous lead), replacement (others) and transvenous electrode surgery	August 1, 1996
Cardioverter defibrillator implant (using myocardial lead) /replacement (using myocardial lead)	April 1, 2020

Facility criteria	Designation dates
Implant or replacement of dual-chamber implantable pacing cardioverter defibrillator (transvenous electrode)	April 1, 2008
Implant or replacement of dual-chamber implantable pacing cardioverter defibrillator (myocardial electrode)	April 1, 2020
Intra-aortic balloon pumping (IABP)	April 1, 1998
Percutaneous cardiopulmonary support (using catheter pump)	April 1, 2018
Ventricular assist device	July 1, 1994
Podiatric ventricular assist device	April 1, 2016
Implantable ventricular assist device (non-pulsatile flow type)	April 1, 2017
Percutaneous transluminal angioplasty	April 1, 2020
Laparoscopic lymphadenectomy	April 1, 2020
Laparoscopic lymphadenectomy (lateral)	April 1, 2022
Endoscopic anti-reflux mucosectomy	April 1, 2022
Laparoscopic partial duodenectomy (and endoscopic procedures)	April 1, 2020
Laparoscopic gastrectomy (using endoscopic operation assisting devices)	April 1, 2020
Laparoscopic fundectomy (using endoscopic operation assisting devices)	February 1, 2022
Balloon-occluded retrograde transvenous obliteration	April 1, 2018
Laparoscopic malignant gallbladder tumor surgery (with gallbladder bed resection)	April 1, 2022
Bile duct tumor surgery (limited to hepatectomy with pancreatoduodenectomy)	April 1, 2016
Laparoscopic hepatectomy	October 1, 2016
Living donor liver transplantation	July 1, 1998
Laparoscopic pancreatic tumor resection	April 1, 2018
Laparoscopic pancreatic body and tail tumor surgery	December 1, 2015
Laparoscopic pancreas head tumor surgery	September 1, 2017
Allogeneic cadaver pancreas transplantation and kidney-pancreas transplantation	July 1, 2022
Early malignant tumor in large-intestinal submucosal dissection	April 1, 2012
Endoscopic resection of small intestinal polyps	April 1, 2022
Laparoscopic proctectomy (using endoscopic operation assisting devices)	February 1, 2020
Laparoscopic kidney malignant tumor surgery (using endoscopic operation assisting devices)	July 1, 2017
Laparoscopic pyeloplasty (using endoscopic operation assisting devices)	April 1, 2020
Allogeneic cadaver kidney transplantation	April 1, 2008
Living donor kidney transplantation	April 1, 2008
Bladder hydrodistention	July 1, 2019
Laparoscopic bladder malignant tumor surgery	April 1, 2012
Laparoscopic bladder malignant tumor surgery (using endoscopic operation assisting devices)	November 1, 2019
Testicular sperm extraction	April 1, 2022
Laparoscopic prostate malignant tumor surgery (using endoscopic operation assisting devices)	April 1, 2014
Laparoscopic sacral colpopexy	October 1, 2017
Laparoscopically assisted vaginal hysterectomy (using endoscopic operation assisting devices)	April 1, 2018
Laparoscopic uterine cancer surgery (limited to uterine body cancer)	April 1, 2014
Laparoscopic uterine cancer surgery (limited to cervical cancer)	April 1, 2018
Laparoscopic uterine cancer surgery (using endoscopic operation assisting devices)	July 1, 2018
Laparoscopic scarred uterus repair	April 1, 2022
Thoracoamniotic shunting for fetal pleural effusion	April 1, 2014
Fetal transfusion	April 1, 2020
Gastrostomy (including percutaneous endoscopic gastrostomy, laparoscopic gastrostomy) (Surgery listed in General Rules for Surgery 16 of the Medical Fee Points List, Chapter 2, Part 16)	April 1, 2015
Surgery listed in General Rules for Surgery 16 of the Medical Fee Points List, Chapter 2, Part 16 (limited to mastectomy for patients with hereditary breast and ovarian cancer syndrome)	April 1, 2020
Surgery listed in General Rules for Surgery 16 of the Medical Fee Points List, Chapter 2, Part 16 (uterine appendages tumor surgery)	April 1, 2020
Blood Transfusion Management 1	April 1, 2014
Proper use of blood transfusion	August 1, 2015
Coordination system improvement	April 1, 2018
Production of homologous cryoprecipitate technology	August 1, 2020
Pre-operative measures in colostomy and urostomy	June 1, 2012
Swallowing function evaluation during gastrostomy	April 1, 2015
Guided tissue regeneration surgery	November 1, 2016
Wide-area jawbone-anchored device implantation surgery	June 1, 2012
Anesthetic management (I)	April 1, 2010
Anesthetic management (II)	April 1, 2010
Full-time radiotherapy	September 1, 2004
Outpatient radiotherapy	April 1, 2008
Remote radiotherapy planning	April 1, 2018
High energy radiotherapy	April 1, 2002
Outpatient radiotherapy	April 1, 2014
Intensity-modulated radiotherapy (IMRT)	September 1, 2011
Image-guided radiation therapy (IGRT)	April 1, 2010
Respiratory gating measures for extracorporeal radiotherapy	April 1, 2012
Stereotactic radiotherapy	November 1, 2008
Respiratory gating measures for intensity modulated radiotherapy (IMRT)	April 1, 2012
Particle therapy	April 1, 2016
Indication for particle radiation therapy	April 1, 2016
Medical management of particle radiation therapy	April 1, 2016
Image-guided brachytherapy	April 1, 2016
Pathological diagnosis through coordination of insurance-covered medical institutions	August 1, 2012
Rapid preparation of pathologic specimens during surgery using digital pathological images with cooperation among authorized insurance medical institutions	June 1, 2014
Rapid cytological examination using digital pathological images with cooperation among authorized insurance medical institutions	June 1, 2014
Pathological diagnosis management 2	October 1, 2014
Pathology specimen of malignant tumor	April 1, 2018
Crown & Bridge maintenance	January 1, 1998
Nutritional care during hospitalization	
Nutritional care during hospitalization (I)	April 1, 2006

Specified Disease Treatment Research Program

Name of disease	Date of designation, etc.
Behcet's disease	December 1, 1976
Multiple sclerosis	December 1, 1976
Myasthenia gravis	December 1, 1976
Systemic lupus erythematosus	December 1, 1976
Subacute myelo-optico-neuropathy	December 1, 1976
Aplastic anemia	December 1, 1976
Sarcoidosis	December 1, 1976
Amyotrophic lateral sclerosis	December 1, 1976
Systemic sclerosis, Dermatomyositis and Polymyositis	December 1, 1976
Idiopathic thrombocytopenic purpura	December 1, 1976
Periarthritis nodosa: (1) Polyarteritis nodosa	December 1, 1976
(2) Microscopic polyangiitis	December 1, 1976
Ulcerative colitis	December 1, 1976
Takayasu's arteritis	December 1, 1976
Thromboangiitis obliterans	December 1, 1976
Pemphigus	December 1, 1976
Spinocerebellar degeneration	December 1, 1976
Crohn's disease	December 1, 1976
Fulminant hepatitis	December 1, 1976
malignant rheumatoid arthritis	October 1, 1977
Parkinson's disease-related: (1) Progressive supranuclear palsy	October 1, 2003
(2) Corticobasal syndrome	October 1, 2003
(3) Parkinson's disease	October 1, 1978
Amyloidosis	October 1, 1979
Ossification of the posterior longitudinal ligament	December 1, 1980
Huntington's disease	October 1, 1981
Moyamoya disease (Spontaneous Occlusion of the Circle of Willis)	January 1, 1982
Wegener's granulomatosis	January 1, 1984
Idiopathic cardiomyopathy	January 1, 1985

Name of disease	Date of designation, etc.
Multiple system atrophy (1) Striato-nigral degeneration	October 1, 2003
(2) Olivopontocerebellar atrophy	December 1, 1976
(3) Shy-Drager syndrome	January 1, 1986
Epidermolysis bullosa (junctional/dystrophic)	January 1, 1987
Pustular psoriasis	January 1, 1988
Extensive spinal canal stenosis	January 1, 1964
Primary biliary cirrhosis	January 1, 1990
Severe acute pancreatitis	January 1, 1991
Idiopathic osteonecrosis of femoral head	January 1, 1992
Mixed connective tissue disease	January 1, 1993
Primary immunodeficiency syndrome	January 1, 1994
Idiopathic interstitial pneumonia	January 1, 1995
Retinitis pigmentosa	January 1, 1996
Prion disease	June 2002 Integration
(1) Creutzfeldt-Jakob disease	January 1, 1997
(2) Gerstmann-Sträussler-Scheinker syndrome	June 1, 2002
(3) Fatal familial insomnia	June 1, 2002
Pulmonary arterial hypertension	January 1, 1998
Neurofibromatosis I & II	May 1, 1998
Subacute sclerosing panencephalitis	December 1, 1998
Budd-chiari syndrome	December 1, 1998
Chronic thromboembolic pulmonary hypertension	December 1, 1998
Lysosomal storage disease	June 2002 Integration
(1) Fabry disease	April 1, 1999
(2) Lysosomal storage disease	May 1, 2001
Adrenoleukodystrophy	April 1, 2000
Familial hypercholesterolemia (homozygous)	October 1, 2009
Spinal muscular atrophy	October 1, 2009
Spinal and bulbar muscular atrophy	October 1, 2009
Chronic inflammatory demyelinating polyneuropathy	October 1, 2009
Hypertrophic cardiomyopathy	October 1, 2009
Restrictive cardiomyopathy	October 1, 2009
Mitochondrial cardiomyopathy	October 1, 2009
Lymphangioleiomyomatosis (LAM)	October 1, 2009
Severe erythema multiforme (acute phase)	October 1, 2009
Ossification of the yellow ligament	October 1, 2009
Pituitary dysfunction	
(1) Syndrome of inappropriate secretion of prolactin	October 1, 2009
(2) Syndrome of inappropriate secretion of gonadotropin	October 1, 2009
(3) Syndrome of inappropriate secretion of antidiuretic hormone	October 1, 2009
(4) Pituitary syndrome of inappropriate secretion thyroid-stimulating hormone	October 1, 2009
(5) Cushing's disease	October 1, 2009
(6) Acromegaly	October 1, 2009
(7) Hypopituitarism	October 1, 2009

Research into Treatment for Specific Child Chronic Diseases

Name of disease	Date of designation, etc.
Malignant neoplasm	December 1, 1976
Chronic kidney disease	December 1, 1976
Chronic respiratory disease	December 1, 1976
Chronic heart disease	December 1, 1976
Endocrine disease	December 1, 1976
Systemic rheumatic disease	December 1, 1976
Diabetes mellitus	December 1, 1976
Congenital metabolic disorder	December 1, 1976
Hemophilia and other hematological and immunological diseases	December 1, 1976
Neuromuscular disease	April 1, 1990
Chronic gastrointestinal disease	April 1, 2005

Research into Congenital Blood Coagulation Factor Card

Name of disease	Date of designation, etc.
Factor I (Fibrinogen) deficiency	April 1, 1989
Factor II (Prothrombin) deficiency	April 1, 1989
Factor V (labile factor) deficiency	April 1, 1989
Factor VII (stable factor) deficiency	April 1, 1989
Factor VIII deficiency (Hemophilia A)	April 1, 1989
Factor IX deficiency (Hemophilia B)	April 1, 1989
Factor X (Stuart-Prower factor) deficiency	April 1, 1989
Factor XI (PTA) deficiency	June 6, 1995
Factor XII (Hageman factor) deficiency	June 6, 1995
Factor XIII (Fibrin stabilizing factor) deficiency	April 1, 1989
von Willebrand disease	April 1, 1989
HIV infection resulting from administration of blood coagulation factor products	June 6, 1995

Permission (approval) to establish a hospital

Name	Date of designation, etc.
Permission (approval) for establishment under Article 7, Paragraph 1 of the Medical Care Act	March 10, 1976
Approval for use of the name of the advanced treatment hospital	April 1, 1995

Approval status of core hospital

Name	Date of acquisition
Medical institution under the Act on Relief to Wounded and Sick Retired Soldiers	February 1, 1977
Medical institution under the Act on Medical Care of the Atomic Bomb Survivors	August 1, 1977
Medical institution under the Public Assistance Act	April 1, 1981
Medical institution for medical and infant care services under the Maternal and Child Health Act	December 1, 1983
Emergency medical care hospital/clinic under the Fire Service Act	March 4, 1985
Medical institution for pregnancy and infant health examination under the Maternal and Child Health Act	December 9, 1986
Clinical training designated hospital (foreign doctors, foreign dentists).	March 29, 1988
Specified approved insurance medical institution under the Health Insurance Act	December 1, 1993
Medical institution under the Industrial Accident Compensation Insurance Act	September 1, 1995
Designated medical institution under the Tuberculosis Preventive Act	January 30, 2001
Comprehensive perinatal maternal and child health care center	June 29, 2005
Medical institution for fostering medical care, rehabilitation medical care, and outpatient mental health care under the Services and Supports for Persons with Disabilities Act	April 1, 2006
Core HIV/AIDS Treatment Center	March 26, 2007
Designated Cancer Care Hospital	February 8, 2008
Designated Cancer Care Hospital (advanced) since April 1, 2020	
Medical institution under the Act on Medical Care of the Atomic Bomb Survivors	November 12, 2012
Ibaraki Prefectural medical center for dementia diseases (core type)	April 1, 2013
Ibaraki Prefectural core disaster medical hospital	November 1, 2013
Designated medical institution under the Act on Medical Care for Patients with Intractable Diseases	January 1, 2015
Designated medical institution for chronic childhood diseases under the Child Welfare Act	January 1, 2015
Ibaraki Prefectural nuclear disaster core hospital	March 1, 2017
Intractable diseases collaborative core hospital	April 1, 2018
Core hospital for diagnosis and treatment of allergic diseases	April 1, 2018
Designated core hospital for cancer genomic medicine	September 19, 2019
Advanced critical care and emergency center	October 16, 2019
Disaster core psychiatric hospital	March 30, 2021

Clinical Activities

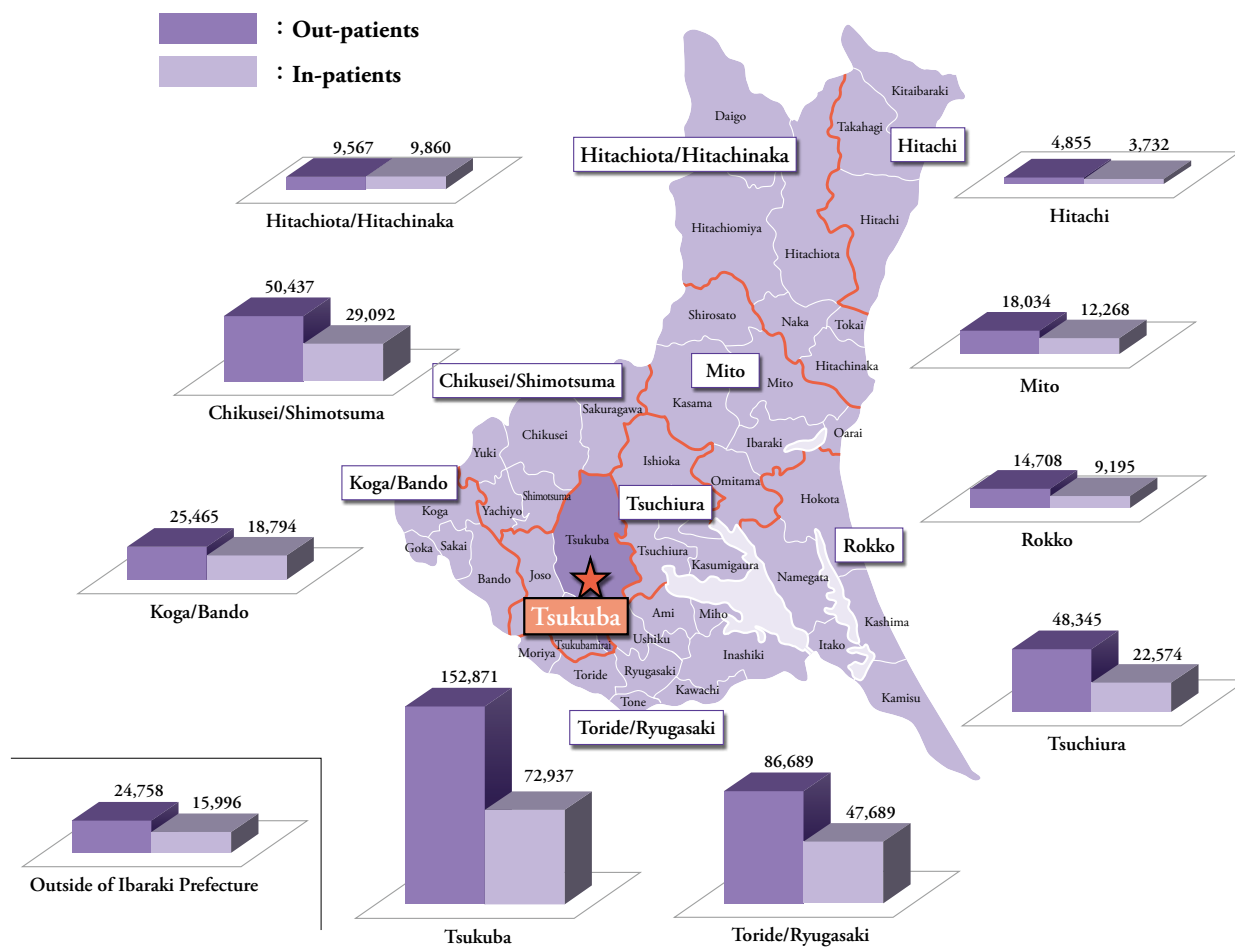
1. Number of Patients

2021

1) By Departments

Categories	Out-patients		In-patients	
	Total Number	Average/Day	Total Number	Average/Day
Department of Cardiology	21,978	90.8	15,010	41.1
Department of Cardiovascular Surgery	3,145	13.0	6,111	16.7
Department of Gastroenterology	24,940	103.1	14,086	38.6
Department of GI&HBP Surgery	14,289	59.0	12,895	35.3
Department of Pulmonology	10,456	43.2	8,815	24.2
Department of Thoracic Surgery	3,252	13.4	4,616	12.6
Department of Nephrology	11,137	46.0	5,613	15.4
Department of Urology	16,055	66.3	8,518	23.3
Department of Endocrinology and Metabolism	15,981	66.0	5,138	14.1
Department of Breast and Endocrine Surgery	16,432	67.9	3,754	10.3
Department of Rheumatology	18,850	77.9	7,012	19.2
Department of Hematology	13,605	56.2	14,203	38.9
Department of Psychiatry	19,651	81.2	7,669	21.0
Department of Dermatology	18,381	76.0	4,974	13.6
Department of Pediatrics	18,782	77.6	18,611	51.0
Department of Pediatric Surgery	7,710	31.9	4,849	13.3
Department of Plastic and Reconstructive Surgery	6,825	28.2	3,601	9.9
Department of Neurology	10,467	43.3	7,615	20.9
Department of Neurosurgery	8,029	33.2	9,851	27.0
Department of Stroke and Cerebrovascular Diseases	2,035	8.4	8,489	23.3
Department of Orthopaedic Surgery	30,786	127.2	14,866	40.7
Department of Ophthalmology	30,923	127.8	9,506	26.0
Department of Obstetrics and Gynecology	34,658	143.2	21,423	58.7
Department of Otolaryngology	12,385	51.2	5,522	15.1
Department of Anesthesiology	5,993	24.8	3	0.0
Department of Oral and Maxillofacial Surgery	13,294	54.9	3,523	9.7
Department of Adolescent, Addiction, Occupational Psychiatry and Dialogical Approach	852	3.5	0	0.0
Department of Emergency and Critical Care Medicine	3,163	13.1	10,013	27.4
Department of Radiation Oncology	26,694	110.3	4,065	11.1
Department of Diagnostic and Interventional Radiology	127	0.5	0	0.0
Department of Infectious Diseases	4,878	20.2	1,723	4.7
Department of General Medicine and Primary Care	4,164	17.2	0	0.0
Department of Diagnostic Pathology	0	0.0	0	0.0
Department of Clinical Pathology	0	0.0	0	0.0
Department of Clinical and Molecular Genetics	248	1.0	0	0.0
Department of Sleep Disordered Breathing	0	0.0	0	0.0
Department of Medical Oncology	1,255	5.2	0	0.0
Department of Rehabilitation Medicine	4,053	16.7	0	0.0
Tsukuba Sports Medicine & Health Science Center	3,203	13.2	0	0.0
Department of General Internal Medicine	2	0.0	0	0.0
Total	438,678	1,812.7	242,074	663.2

2) By Medical Care Zones



2. Number of Beds

As of May 1, 2022

Ward	General Ward				Psychiatric Ward		Total	
Beds	Special Admission		General Units		Psychiatric Ward			
	Unit	Beds	Unit	Beds	Unit	Beds	Unit	Beds
Building B 7F					1	41	1	41
8F			1	37			1	37
10F			2	76			2	76
11F			1	37			1	37
KEYAKI Building 2F	2	48					2	48
5F	3	36	1	26			4	62
6F	1	44	1	30			2	74
7F			2	88			2	88
8F			2	88			2	88
9F			2	88			2	88
10F	1	6	2	80			3	86
11F			2	75			2	75
Total	7	134	16	625	1	41	24	800

General Ward: 759 beds Psychiatric Ward: 41 beds Total: 800 beds

3. Clinical Examinations

Categories	Number		
	In-patients	Out-patients	Total
Urinalysis	42,823	89,700	132,523
Hematology	242,594	239,574	482,168
Biochemistry	598,098	707,672	1,305,770
Endocrinology	29,423	152,576	181,999
Immunology	138,351	233,621	371,972
Bacteriology	38,701	9,994	48,695
Physiology	122,154	182,789	304,943
Specimen Processing	4,532	107,960	112,492
Pathological Diagnosis	10,771	12,848	23,619
Endoscopy	2,113	9,545	11,658
Total	1,229,560	1,746,279	2,975,839

4. Radiographic Examinations

Categories	Number		
	In-patients	Out-patients	Total
X-ray Radiography	32,425	52,305	84,730
Contrast Radiography	1,693	1,499	3,192
X-ray Examination	24,457	1,959	26,416
X-ray Computed Tomography	6,718	11,173	17,891
Magnetic Resonance Imaging	3,768	5,954	9,722
Nuclear Medicine	794	1,540	2,334
Radiotherapy	6,661	11,751	18,412
Radiotherapy Planning	964	620	1,584
PET/CT	0	0	0
Total	77,480	86,801	164,281

5. Anesthesia

Categories	Number
General Anesthesia	9,252
Local Anesthesia	8,429
Total	17,681

6. Operations

Categories	Number
Department of Cardiology	2,269
Department of Cardiovascular Surgery	1,207
Department of Gastroenterology	1,356
Department of GI&HBP Surgery	1,138
Department of Pulmonology	17
Department of Thoracic Surgery	313
Department of Nephrology	102
Department of Urology	1,004
Department of Endocrinology and Metabolism	18
Department of Breast and Endocrine Surgery	663
Department of Rheumatology	33
Department of Hematology	35
Department of Psychiatry	3
Department of Dermatology	666
Department of Pediatrics	303
Department of Pediatric Surgery	470
Department of Plastic and Reconstructive Surgery	756
Department of Neurology	22
Department of Neurosurgery	511
Department of Stroke and Cerebrovascular Diseases	276
Department of Orthopaedic Surgery	1,190
Department of Ophthalmology	2,927
Department of Obstetrics and Gynecology	1,895
Department of Otolaryngology	724
Department of Anesthesiology	1
Department of Oral and Maxillofacial Surgery	2,148
Department of Adolescent, Addiction, Occupational Psychiatry and Dialogical Approach	0
Department of Emergency and Critical Care Medicine	948
Department of Radiation Oncology	154
Department of Diagnostic and Interventional Radiology	0
Department of Infectious Diseases	5
Department of General Medicine and Primary Care	0
Department of Diagnostic Pathology	0
Department of Clinical Pathology	0
Department of Clinical and Molecular Genetics	0
Department of Sleep Disordered Breathing	0
Department of Rehabilitation Medicine	0
Tsukuba Sports Medicine & Health Science Center	5
Total	21,159

7. Deliveries

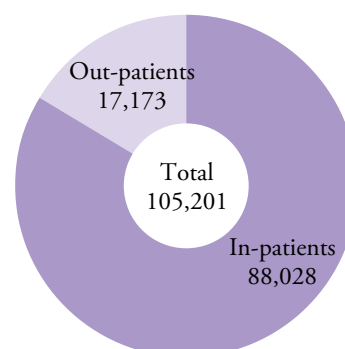
Categories	Number		
	Mature Infants	Premature Infants	Total
Normal Deliveries	483	114	597
Abnormal Deliveries	234	119	353
Total	717	233	950

8. Prescriptions and Medicines

Categories	Total
Number of prescriptions for hospitalized patients	178,162
Number of prescriptions for outpatients	In the hospital 12,160
	Outside of the hospital 189,714
Rate of prescriptions issued outside of the hospital (%)	94.0
Number of injection prescriptions for hospitalized patients	114,340
Number of drug control guidance fees (calculated number of cases)	24,409
Number of sterile preparations processed (calculated number of cases)	20,411
Number of injection admixtures	Antineoplastic drugs 18,490
	Total parenteral nutrition 5,607
	Others 9,944
Inpatient pharmaceutical services (calculated number of cases)	50,978
Treatment administration charges for specified drugs (calculated number of cases)	6,885

9. Rehabilitation Service

(Number)



10. Pathologic Autopsies

Categories	Total
Number of dead patients	381
Number of pathologic autopsies	16
Autopsy rate	4.2(%)
Number of commissioned autopsies	3

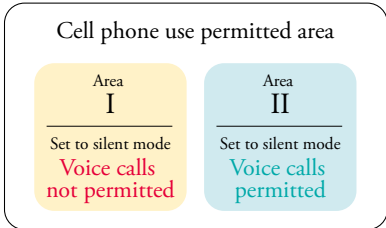
11. Campus · Buildings

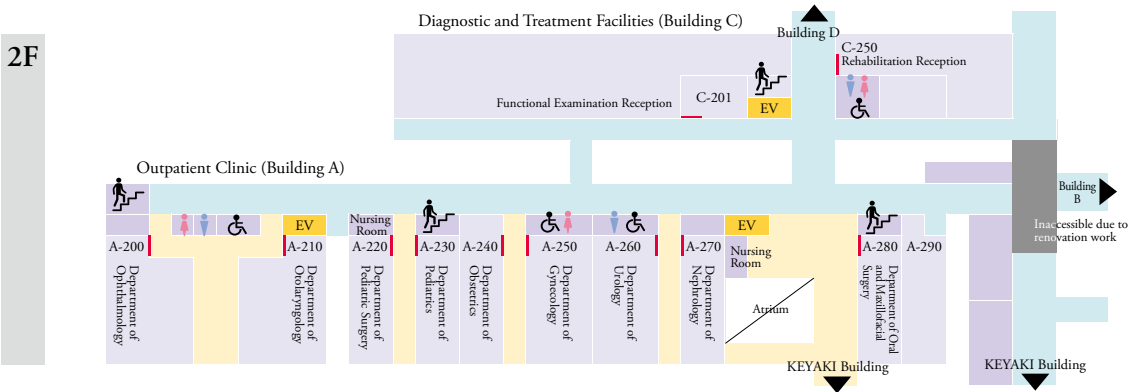
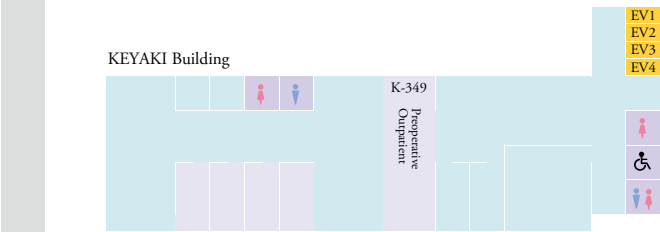
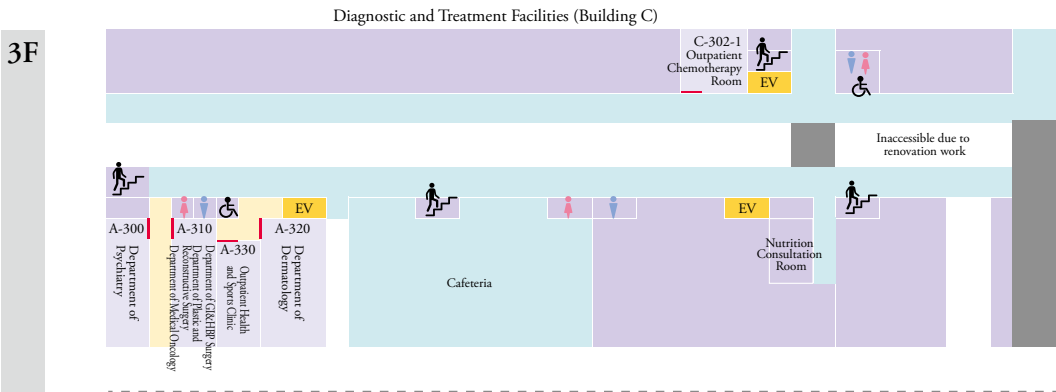
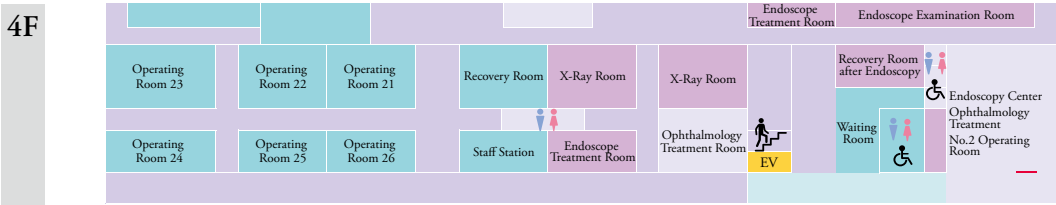
As of April 1, 2022

Total site area= 101,584m ² (incl. leased area of 5,900m ²)				
Buildings (steel-reinforced concrete structure)				
Building name	Size	Building floor space	Total ward floor space	Remarks
Building A (Outpatient Clinic)	Four floors and one basement	2,314.00 m ²	10,743.00 m ²	
Building A (New Outpatient Clinic)	Four floors	995.00 m ²	3,233.00 m ²	
Building B (Ward)	Twelve floor and one basement	2,626.00 m ²	29,977.00 m ²	
Building C (Diagnostic and Treatment Facilities)	Five floors and one basement	2,508.00 m ²	13,763.00 m ²	
Building D (Radiation Oncology)	Two floors	1,031.00 m ²	1,489.00 m ²	
Building F (Tsukuba Prevent Medical Research Center)	One floor	809.00 m ²	809.00 m ²	
Proton Medical Research Center	Four floors	2,142.00 m ²	5,297.00 m ²	
Regional Medical Network System Research Center	Two floors	450.00 m ²	825.00 m ²	
KEYAKI Building	Twelve floors and one basement	7,122.00 m ²	45,746.00 m ²	
KEYAKI Annex Building	Three floors	1,872.00 m ²	5,355.00 m ²	
KASUGA Plaza	Four floors	1,332.00 m ²	4,252.00 m ²	Leased
Total		23,201.00 m ²	121,489.00 m ²	
Nurses' Residence No. 1	Five floors	553.00 m ²	2,160.00 m ²	50 rooms
No.2	Eight floors	258.00 m ²	1,705.00 m ²	39 rooms
No.3	Five floors	319.00 m ²	1,520.00 m ²	38 rooms
No.5	Five floors	285.00 m ²	1,134.00 m ²	25 rooms
No.6	Five floors	174.00 m ²	796.00 m ²	22 rooms
No.7	Five floors	734.00 m ²	3,192.00 m ²	100 rooms
Hospital Accommodation	Eight floors	252.00 m ²	1,700.00 m ²	39 rooms
Residents and Fellows Accommodation Facility 1	Six floors	271.00 m ²	1,293.00 m ²	46 rooms
Residents and Fellows Accommodations Facility 2	Four floors	666.00 m ²	2,026.00 m ²	64 rooms
Total		3,512.00 m ²	15,526.00 m ²	423 rooms*
Grand total		26,713.00 m ²	137,015.00 m ²	

* = Of which 313 rooms are nurses' residences

1F

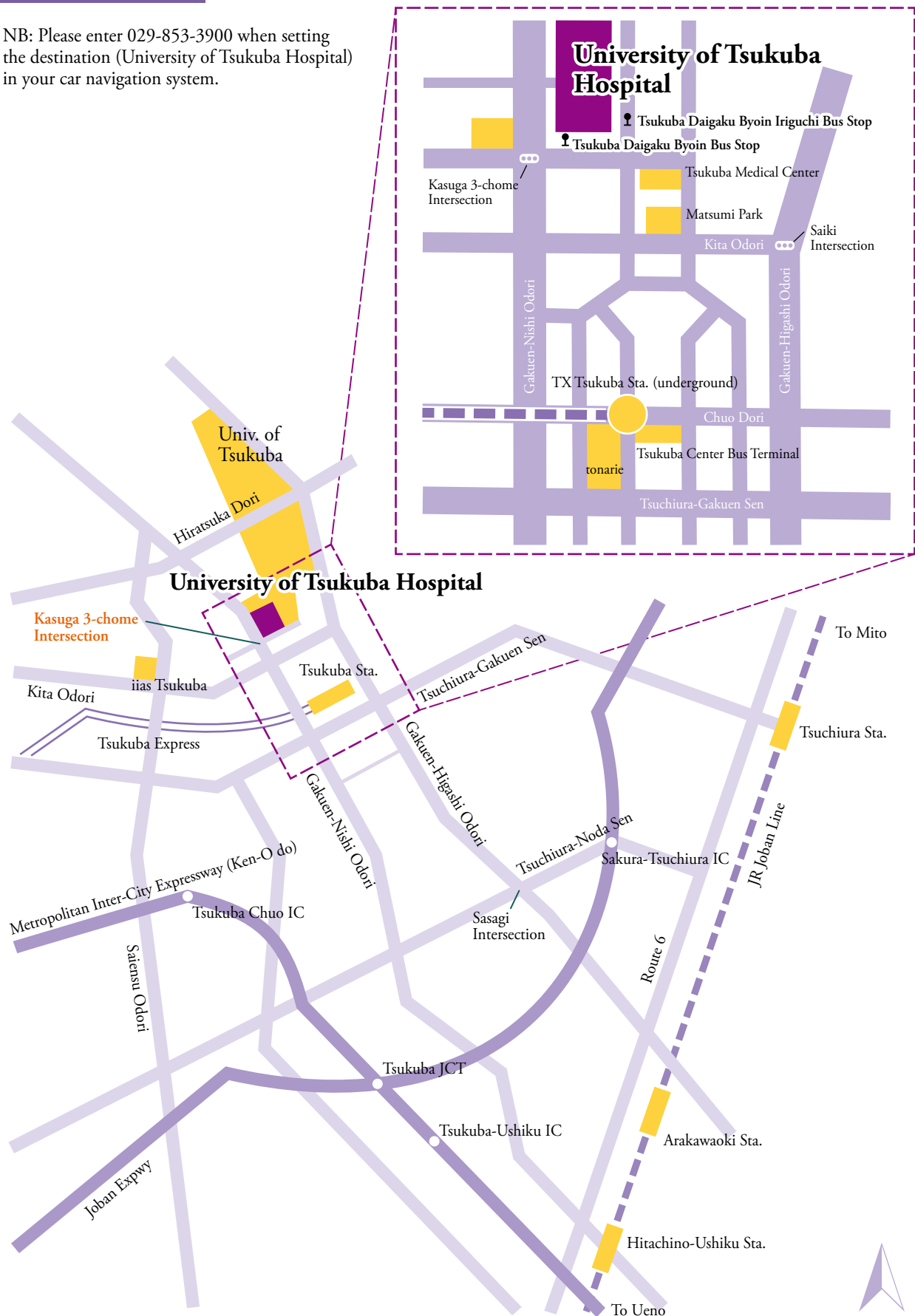




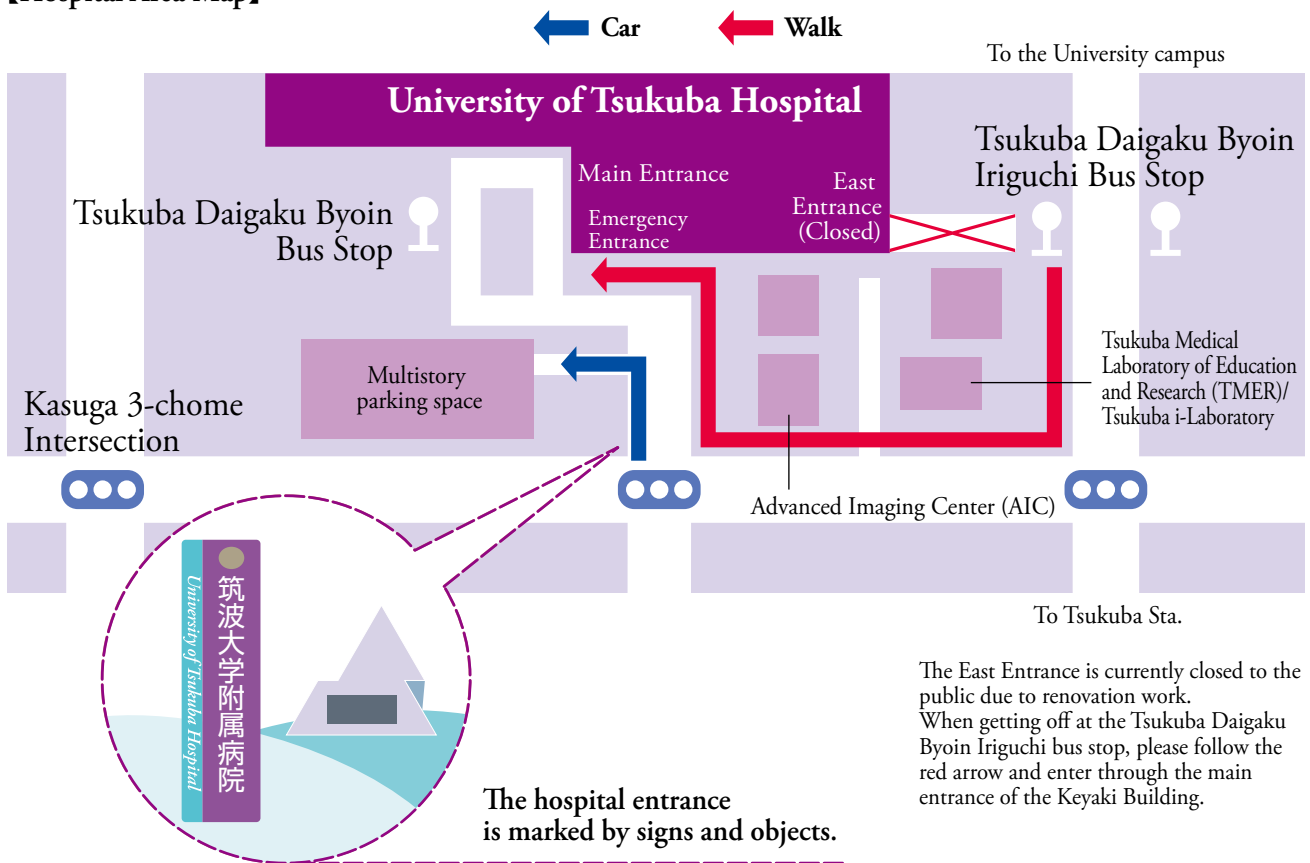
Access Map

Driving directions

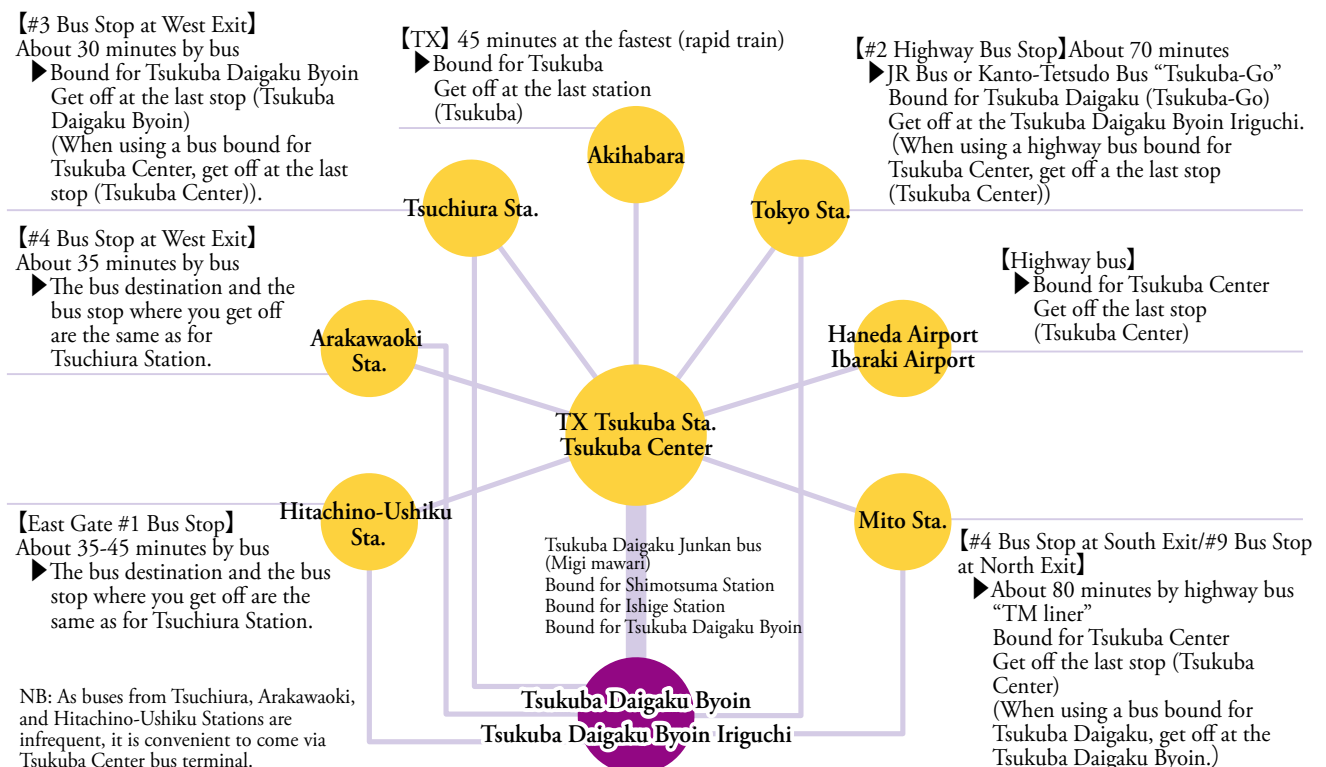
NB: Please enter 029-853-3900 when setting the destination (University of Tsukuba Hospital) in your car navigation system.



【Hospital Area Map】



From Tsukuba Express (TX)/ JR Joban Line/ Highway Bus



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