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× 2024

International Medical Department Kyushu University Hospital



A Decade of the International Medical Department



Vice Director of Kyushu University Hospital **Director of International Medical Department**

The international Medical department (iMed) was established in April 2015 and is celebrating its 10th anniversary this April. During this decade, various global events have occurred, including a surge in inbound tourists to Japan, the COVID-19 pandemic, conflicts in Ukraine and Gaza, and tensions between the US and China. Amidst these challenges, iMed has continued its activities under one of Kyushu University Hospital's five basic policies: "Promoting internationalization based on information technology". iMed oversaw three centers: the OVerseas EXchange center (OVEX), TEleMedicine DEvelopment Center of Asia (TEMDEC), and International PAtient supprot Center (IPAC). OVEX, established simultaneously with iMed, aims to foster global talent through international personnel exchanges, including dispatching staff from Kyushu University Hospital abroad and accepting foreign researchers. It also supports the needs of foreign medical staff, ensuring they experience a comfortable and meaningful stay. TEMDEC, founded in 2008, strives to enhance and equalize global medical standards through telemedicine education using IT, particularly in developing countries. IPAC was established in 2005 and celebrates its 20th anniversary. It provides advanced Japanese medical care to international patients, including foreigners in Japan and Japanese nationals living abroad, positioning itself as a leading medical hub in Asia. The predecessor of IPAC, the International Medical Collaboration office, was established in 2005 and celebrates its 20th anniversary. A total of 26 iMed staffs, including faculty, physicians, interpreters, and technical, and administrative personnel, work diligently to promote internationalization; they are supported by more than 50 internationalization representatives from various clinical departments. We earnestly hope for your continued cooperation over the next decade.

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iMed Annual Report 2024

International Medical Department Kyushu University Hospital

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Naoki Nakashima, M.D., Ph.D.



Portable Health Clinic (PHC) Initiative

Since 2009, Kyushu University has promoted the Portable Health Clinic (PHC) in collaboration with the Grameen Group led by Nobel laureate Professor Yunus in Bangladesh. This initiative, part of OVEX activities, aims to spread healthcare services using IT in rural areas of developing countries while promoting self-reliance and entrepreneurship among the poor. The PHC brings packages of sensors, such as scales, blood pressure monitors, and blood glucose meters, to conduct health check-ups focusing on Noncommunicable Diseases. Results are automatically triaged into four colors based on WHO criteria: green (healthy), yellow (caution), orange (affected), and red (emergency). Online consultations and remote prescriptions are provided for orange and red cases. The PHC has served over 40,000 people in Bangladesh and is active in other Asian countries like India, Malaysia, and Indonesia, as well as in Zambia, Africa. The project is expanding to include prenatal and neonatal check-ups and ophthalmic examinations. In Japan, the PHC addresses health management in disaster shelters, and anticipates the needs of elderly people in doctorless villages in a decade. The PHC aims to solve these issues while addressing the SDGs and Japan's specific challenges.



Highlights of Activities at Each Center in the International Medical Department in 2024

Overseas Remote Second Opinion (D to P) with Austria APR.

This was the first overseas remote second opinion after the fee structure was finalized, involving a Japanese resident in Austria and doctors from Kyushu University Hospital (KUH)'s Hepatopancreatobiliary and Obstetrics and Gynecology departments. The patient, anxious about language barriers and medical system differences, used the session to prepare for a future visit to Japan. They later consulted both departments in person, highlighting the value of the D to P remote second opinion for pre-visit guidance.

APR.

The Inter-American Society of Digestive Endoscopy (SIED) Webinar Streaming Support

Dr. Yoshinori Morita (Credentials for Endoscopic Submucosal Dissection (ESD)) from Kobe University, Dr. Seiichiro Abe (Gastric cancer detection; Advanced technology and Artificial Intelligence) from National Cancer Center Hospital, Dr. Tomohiko Ohya (Teach-





Accepting Doctors from Central Asia and the Caucasus Area: JICA Country-Focused Program (A)

This is the second year program for the Knowledge Co-Creation Program (Country Focused) "Endoscopic Diagnostics and Therapeutics of Early Gastric Cancer for Central Asia and the Caucasus Countries" by Japan International Cooperation Agency (JICA). Participants were divided into 2 groups of 4 countries each in FY2024. Group (A) invited 5 doctors from Azerbaijan, Uzbekistan, Kyrgyzstan, and Georgia. This group, many of whom work in facilities with a certain degree of endoscopic equipment, focused on more advanced endoscopic procedures such as ESD and Endoscopic



ing with an Endoscopy simulator) from Jikei University gave speeches at this seminar. The chairman was Vice Director Tomohiko Moriyama together with Dr. Miguel Tanimoto, from the National Institute of Medical Sciences and Nutrition. Mexico.



Ultrasonography (EUS), which they observed and practiced using a simulator.



UL. Teleconference Room was Moved to New Building

Due to relocation of TEMDEC, the teleconference room was moved to a new building within KUH. Also a new prayer room was built in the same building. This room is eligible for the patients of KUH as well as faculty, staff, and students of Kyushu University.





Accepting Doctors from Central Asia and the Caucasus Area: JICA Country-Focused Program (B)

The Group (B) of the JICA Country Focused program "Endoscopic Diagnostics and Therapeutics of Early Gastric Cancer for Central Asia and the Caucasus Countries" was conducted with 4 invited doctors from Armenia, Kazakhstan, Tajikistan, and Turkmenistan. The small group training allowed for more time for skill-training using the latest simulators and pig stomachs. This program enabled participants to deepen their knowledge of early detection, diagnostic methods, and treatment of gastrointestinal cancers.



Courtesy Visit to the University of Illinois at Urbana-Champaign

Vice Director Tomohiko Moriyama and Vice Director of TEMDEC Kuriko Kudo made a courtesy visit to the University of Illinois at Urbana–Champaign with a delegation of Kyushu University. During this visit, the delegation visited the Carle Illinois College of Medi-



cine and the Grainger College of Engineering, both located at the University of Illinois at Urbana–Champaign. They exchanged views on student and researcher exchanges, as well as participation in a global consortium for medical engineering collaboration.





Japan Tourism Agency: Adoption of the FY2024 Subsidy for Regional Hosting Environment Improvement (Inbound Safety and Security Promotion Project)

A project to create explanatory videos in English and Chinese for patients scheduled for hospitalization or surgery at the Admission, Discharge, and Perioperative Support Center has been approved. IPAC cooperated in enhancing the hospital's readiness to accommodate foreign patients, including providing narra-



Visiting Mongolia-Japan Hospital for Observation and Clinical Guidance

For the purpose of education in various fields related to the treatment of gastrointestinal diseases, the participants including endoscopists, surgeons, radiologists, and clinical engineering technicians, visited Mongolia-Japan Hospital to observe the current situation and provide direct clinical guidance. Pancreaticoduodenectomy and laparoscopic total gastrectomy were performed there as a live surgery. The cooperation with the Mongolian staffs deepened each





The 58th Asia-Pacific Advanced Network (APAN58) Conference was Held in Pakistan

In the medical working group of APAN58, a total of 18 sessions were held including endoscopy, surgery, ophthalmology, medical care, rural health care, public health, natural products, generative AI, medi-



tion for the explanatory videos. By utilizing these videos, the center aims to enhance patient understanding, reduce risks such as medical accidents, and ensure medical safety. Half of the project cost is subsidized through the KUH Shiiki Fund Support Subsidy Program.

time, reaffirming the usefulness of the collaboration to date and providing a wonderful opportunity for future development. This project is supported by "Development of Human Resources and Collaborative Approach to Gastrointestinal Diseases in Mongolia", National Center for Global Health and Medicine, Japan (NCGM) Projects for Global Growth of Medical Technologies, in 2024.



cal education and Antenatal Care. Pakistani team organized 2 sessions. Throughout the conference, 82 presentations from 16 countries were delivered, with a total of 502 participants from 16 countries.



SEP. On-site Hands-on Training at Kenyatta National Hospital

KUH has a role in training and mentoring Kenyan endoscopists in the project "Human Resource Development for Gastrointestinal Diseases in Kenya (Endoscopy Field)" of Olympus Corporation with support of the



grant from NCGM. Vice Director Tomohiko Moriyama and 3 endoscopists visited Nairobi, Kenya to conduct a fact-finding survey of endoscopic practice, give a lecture, and teach hands-on skills.



NOV. 9th Annual Meeting of International Society of Clinical Medicine

The 9th Annual Meeting of the International Society of Clinical Medicine was held at the University of Osaka Nakanoshima Center on November 23, 2024. The symposium covered various aspects of international medicine, including medical interpretation OJT, the Nippon International Nursing Administrator (NiNA), and global health professionals. Dedicated Doctor of IPAC Rikako Sagara presented "Prospects of Telemedicine Consultation in a Post-COVID Society", English Medical Interpreter of IPAC Nami Arita discussed "Improving Intercultural Competence in the Medical Field", and Chinese Medical Interpreter of IPAC Qi Jie spoke on "Challenges in Consulting Permanent Japanese Returnees from China at Our Hospital".



Accepting Doctors from Mongolia

As part of the 2024 NCGM Global Growth of Medical Technologies project "Development of Human Resources and Collaborative Approach to Gastrointestinal Diseases in Mongolia", a total of 7 doctors from 4 fields (endoscopy, anesthesiology, pathology, and radiology) at 5 institutions in Mongolia were accepted for training. In October, 5 doctors in surgery and endoscopy also received training. The program provided an opportunity to gain a deeper understanding of the importance of team medicine by experiencing Japan's medical treatment system, in which multiple departments cooperate with each other. At the end of the training, the participants had a teleconference with their own institutions to report on their training.



DEC.

Student Lecture from the Republic of the Sudan

A remote lecture from Sudan was given by Dr. Naoyuki Kawahara of Rocinantes, an authorized NPO, as a lecture for medical students. Students commented that they were able to hear about a global and active way of thinking that connects the issues facing Africa and Japan and works to solve them. It was an opportunity to think about how they could contribute to society in the future.

JAN. 2024 Medicine-Design Project: Presentation

In FY2024, we worked with the pediatric surgery department to design for children before surgery. The project was highly evaluated for its high-quality prototypes, including "a robot model designed to help children become familiar with hospital facilities



FEB. Technical Supp Oral Care

This academic conference, held in a hybrid format at the Kyushu University School of Medicine Centennial Hall, was themed "No oral care, no wellness". The special lecture was entitled "Rethinking oral care in eating and swallowing", and the two symposia were





such as surgical equipment", "interactive content to encourage children for preparation", and "ideas for hospital decorations", as well as models produced using a 3D printer and an app using 360-degree video.



Technical Support for the 28th Congress of Japanese Society of

"Oral care for patients with cerebrovascular and neurological diseases" and "Patient support and oral care in the perioperative period". Many participants gathered, and meaningful discussions were held, making it a successful event.





The 18th Asia Telemedicine Symposium (ATS18) was Held in Indonesia

The ATS18 was hosted by Dr. Holipah, Brawijaya University in Malang, Indonesia. Various telemedicine initiatives and findings were shared, including diagnosis and treatment, healthcare, and remote surgery,



with the theme of AI and telemedicine. There were presentations from Indonesia, India, Nepal, and Japan. There were over a hundred participants in total, both on-site and online.





The 59th Asia-Pacific Advanced Network (APAN59) Conference was Held in Japan

In the medical working group of APAN59, a total of 17 sessions were held including endoscopy, surgery, ophthalmology, rural health care, public health, natural products, VR, medical education and Genet-



ics. Throughout the conference, 70 presentations from 16 countries were delivered, with a total of 892 participants from 20 countries.



The 8th Kyushu University Internationalization Forum at Hospital Campus University

The Internationalization Forum was conducted by Prof. Eijiro Jimi from the Faculty of Dental Science. The delegates from Dental science, Pharmaceutical Sciences, Medical Sciences, Health Sciences, and Hospital presented their activities in FY2024 for internationalization. In the special lecture, Yuriko Harada



DDS who graduated from Kyushu University and is now working at the headquarters of WHO after a unique career gave a presentation on the challenges of working in international organizations. We hope this forum will encourage students and young researchers to consider studying abroad.



Projects with Japan International Cooperation Agency (JICA)

Training Program for Nikkei Communities

Since 2018, we have been providing training in endoscopic diagnostics and therapeutics of early gastric cancer for doctors who are contributing to Nikkei communities in Latin America. Over the past 5 years, we have accepted 13 doctors from Brazil, Argentina,



Knowledge Co-Creation Program (Country-Focused)

As non-infectious diseases, including malignant tumors, are on the rise in the Central Asia and Caucasus region, we have carried out the training program that focuses on early diagnosis and treatment in the endoscopic field. From 2023, 16 doctors from 8 coun-



			OVEX Act	
In-bo	und	Out	-bound	
Training		•	g Clinical Skills	
29 Countries	Doctor 69	/ •15101	ig i dellides	
58 Facilities	Nurse 2	6 Countries	Doctor 2	
75 people	Student 4	10 Facilities	Medical Engineer	
		24 people	Engineer	
Kyushu University Hospital Tour			Administrator	
Visitors	6 16			



Mexico, and Peru. During the COVID-19 pandemic, we connected with 7 Latin American countries and conducted online training. In addition, in 2019, 7 nutritionists from Brazil underwent training for 1 month, learning about hospital food and nutrition management in Japan.

tries (Azerbaijan, Armenia, Kazakhstan, Uzbekistan, Turkmenistan, Kyrgyzstan, Georgia and Tajikistan) have participated in the training, deepening their knowledge and skills on endoscopic diagnosis and treatment through observing procedures, lectures, and hands-on training using simulators.

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English Learning Class

Personal learning course was newly selected in FY2024 for the English Learning Class for KUH Staff. Ninety-seven participants took the course. The participants underwent English class for 6 months, freely using 6 tools including app-based learning, online English conversation with native speakers, online seminars and speaking tests.

TEMDEC Provides Technical Support for Live Demonstrations and Webinars at Academic Conferences and Study Groups.

TEMDEC provides technical support for live demonstrations and webinars at academic conferences and research groups in Japan and overseas. In July 2024, we provided technical support for the first live medical demonstration at the Ritz-Carlton Fukuoka, the venue for the 14th Japan Transcatheter Valve Therapies (JTVT2024). At this conference, high-quality images of cardiology procedures were broadcast live from Kokura Memorial Hospital and Saiseikai Kumamoto Hospital,

Topics / TEMDEC

and discussions were held in real time with the audience at the venue. In October, we provided technical support for an international webinar hosted by the Japanese Society of Hepato-Biliary-Pancreatic Surgery. Speakers were invited from countries around the world, including South Korea, Taiwan, Germany, Spain, the United States, and Peru, and presentations and discussions were broadcast live on YouTube, with over 1000 people watching from around the world.



Live demonstration at 14th Japan Transcatheter Valve Therapies



Japan Society of Hepato-Biliary-Pancreatic Surgery's international webinar

41 nations 312 institutions 126 events newly connected 107 institutions 30			30 nations		
Endoscopy	Others (Medical)	Surgery	Oncology	Others (Non-Medical)	Dentistry
Neurology	Healthcare	Hematology	Telehealth	General Medicine	Nephrology
Technology	Intractable Disease	Student	Pediatric Surgery	Ophthalmology	Psychiatry
Nurse	Obstetrics and Gynaecology	Transplantation	Hepatology	Robot	Pancreato-Biliary
Neurosurgery	Medical Infomatics	Orthopedics	Pathology	Genetics	Cardiology
Pulmonology	\supset				

Dec FY2024 Creation of Videos on Islam and Hinduism - Now Available on Kyushu University's Official YouTube Channel -

In December 2024, we produced YouTube videos on Islam and Hinduism for healthcare professionals, based on mosque visits, patient interviews, and literature reviews, with a focus on key medical considerations. These videos have since attracted interest from other medical institutions. To support international patients, we also created a multilingual leaflet on hospital procedures and language support, available near the general information desk to enhance patient-staff understanding.



Expansion of Interpretation Tablets and Instructional Videos

To meet the growing demand for rare-language interpretation, we have reviewed the number and types of tablets available. Currently, 10 tablets in two varieties are in use, and instructional YouTube videos have been distributed to medical staff to ensure effective utilization.

Rising International Patient Numbers & Expanded IPAC Services

The number of international patients visiting our hospital has been increasing yearly, reaching an all-time high in FY2024. This year, we have strengthened our collaboration with medical and administrative departments to address key challenges, including emergency visits by inbound tourists and cost management for uninsured patients.

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FY2024 Strong Progress in D-to-P Overseas Remote Second Opinions

In FY2024, the Doctor-to-Patient (D-to-P) overseas remote second opinion service was fully launched under the KUH's new fee structure. A total of 14 sessions were conducted with patients from Asia and Europe. This service has been highly valued, assisting patients in making informed decisions about medical travel to Japan and treatment planning, with consistently high satisfaction rates among participants.









IPAC Services Performed



KUH Orthopedic Doctors & Mongolian Patients

Research Projects with External Funds

♦ Health Labour Sciences Research Grant for FY2024 24IA1019 Strategic International Standardization Aiming for Healthcare and Self-Care Process Integration through **Digital Transformation (DX)** Naoki Nakashima

◆ NCGM Project for Growth of Medical Technologies 2024 Development of Human Resources and Collaborative Approach to Gastrointestinal Diseases in Mongolia Kyushu University (Tomohiko Moriyama)

◆ Egypt Japan Education Partnership: Human Resource Development Project On-the-Job Training Program (Advanced Clinical Training in Japan) 2024-2025

Kyushu University Hospital

 \blacklozenge JICA Knowledge Co-Creation Program (Country Focused) for FY 2024 Endoscopic Diagnostics and Therapeutics of Early Gastric Cancer for Central Asia and the Caucasus Countries Tomohiko Morivama

♦ JICA Training Program for Nikkei Communities for FY 2024 **Endoscopic Diagnostics and Therapeutics of Early Gastric** Cancer Tomohiko Moriyama

♦ JSPS Grants-in-Aid for Scientific Research (C) 2020-2024 JP20K10321 Sustainable international medical education for decreasing mortality of colorectal cancer in Asia Tomohiko Moriyama

◆ The Japanese Foundation for Research and Promotion of Endoscopy, a public interest incorporated association

The Subsidy for Accepting Overseas Research Doctors for FY 2024 Kohei Nakata

♦ JSPS Grants-in-Aid for Scientific Research (B) 2023-2026 JP23K25702 Development and Validation of a technical training e-learning program for telemedicine conference in Asia Kuriko Kudo

♦ JSPS Grant-in-Aid for Challenging Research (Exploratory) 2023-2025 IP23K17621

Development of a creative educational program integrating medicine and design Kuriko Kudo

♦ JSPS Grants-in-Aid for Scientific Research (C) 2022-2024 JP22K02858 Establishment of image quality standards for the worldwide spread of refined early gastric cancer diagnosis using magnifying endoscopes Shintaro Ueda

◆ JSPS Grants-in-Aid for Scientific Research (C) 2024-2027 IP24K06306

Development of on-demand medical teaching materials using 360 degree videos Yukiko Hisada

♦ JSPS Grants-in-Aid for Scientific Research (C) 2024-2026 JP24K15617 Making Telemedicine More User-Friendly to Make Healthcare Accessible to All

Nermin Elokra (Naoki Nakashima)(Tomohiko Moriyama)

♦International Collaborative Research Program: Science and Technology Research Partnership for Sustainable Development (SATREPS): 2021-

The project for institutional capacity building for eliminating Helicobacter pylori related death Yoshio Yamaoka (Tomohiko Moriyama)

♦ NCGM Project for Growth of Medical Technologies 2024 Training of gastroenterologists for the reduction of gastric cancer death in Lao PDR NPO HIGAN (Tomohiko Moriyama)

♦ NCGM Project for Growth of Medical Technologies 2024 Human Resource Development for Gastrointestinal Diseases in Kenya (Endoscopy Field) Olympus Corporation (Tomohiko Moriyama)

 \blacklozenge JSPS Topic-Setting Program to Advance Cutting-Edge Humanities and Social Sciences Research FY2024: Co-creation of academic knowledge Society and humanity in the face of future demographics

Kojiro Sho (Kuriko Kudo)

♦ JSPS Grants-in-Aid for Scientific Research (C) 2024-2026 JP24K06247 Development of a 3D visualization system for the oral cavity for speech therapy Tatsuro Kudo (Kuriko Kudo)

Research Projects with University Funds

♦Kyushu University Institute for Asian and Oceanian Studies (Q-AOS) Potable Health Clinic (PHC) Module, Industry Cluster Naoki Nakashima

Telemedicine Module, Health Cluster Tomohiko Moriyama (Kuriko Kudo)

Health and Medical Design Module, Health Cluster Naoshige Akita (Kuriko Kudo)

◆Integrated Initiative for Designing Future Society, Kyushu University Medicine and Health Unit Satoru Koyanagi (Naoki Nakashima) (Tomohiko Moriyama) (Kuriko Kudo)

Data-Driven Innovation Initiative, Kyushu University **Division of Healthcare Digital Transformation** Naoki Nakashima (Tomohiko Moriyama) (Kuriko Kudo)



iMed Director Naoki Nakashima M.D., Ph.D./ Professo /ice Director of Kyushu rsity Hosp ctor of IPAC



Tomohiko Moriyama M.D., Ph.D./ Associate rector of TEMDEC

OVEX Vice Director

OVEX







Yumi Mori International Coordinator (~2025/2)

TEMDEC





TEMDEC Vice Director Kuriko Kudo Ph.D./ Lecturer

ice Director of iMed ector of TEMDEC



Yukiko Hisada Ph.D./ Research tant Professo

Saori Matsuda Engineer





IPAC



IPAC Vice Director Nobuyuki Shimono M.D., Ph.D./ Professor







Medical Interpreter

Staffs





Kinuko Nagayoshi M.D., Ph.D./

Department of Surgery and ncology

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Yuko Iwasaki D D S/ Medical Stat

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Kyoko Kawaguchi Administrative Assistant (~2025/3)





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Qi Jie Medical Interpreter (Chinese)

