

# SAKURA SCIENCE Exchange Program

Train-the-Trainer program for engineers In Asia  
to accelerate international telemedicine

## TRAINING REPORT

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INDONESIA



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UNIVERSITAS  
INDONESIA

*Visi: Ambisi. Jajha*

FAKULTAS

KEDOKTERAN

# FACULTY OF MEDICINE UNIVERSITAS INDONESIA



The Faculty of Medicine, University of Indonesia (FKUI) has become a medical higher education institution that is oriented towards a research-based medical education system for humanity.

FKUI always strives to create an education system that is able to prepare its students to compete globally in all aspects, both in the fields of science, social humanities and medicine, by prioritizing the main values embodied in the Culture of FKUI-RSCM.



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# FMUI – KYUSHU UNIVERSITY COLLABORATION ACTIVITY ID-Endoscopy Member

- FK UI/RSUPN dr. Cipto Mangunkusumo, Jakarta
- FK UNAIR/RSUP dr. Soetomo, Surabaya
- FK USU/RSUP H. Adam Malik, Medan
- FK UNPAD/RSUP dr. Hasan Sadikin, Bandung
- FK UNDIP/RSUP dr. Kariadi, Semarang
- FK UGM/RSUP dr. Sardjito, Yogyakarta
- FK UNUD/RSUP Sanglah, Denpasar
- FK UNS/RSUD dr. Moewardi, Surakarta
- FK UNIBRAW/RSUD dr. Saiful Anwar, Malang
- FK UNHAS/RSUP dr. Wahidin Sudiro Husodo, Makassar
- FK UNAND/RSUP dr. M. Djamil, Padang
- RSUP Persahabatan, Jakarta
- RSUP Fatmawati, Jakarta
- Kyushu University Hospital, Jepang

# FMUI – KYUSHU UNIVERSITY COLLABORATION ACTIVITY

## ID-Neurology Member

### Faculty of Medicine:

1. University of Indonesia
2. Sam Latulangi University
3. Gadjah Mada University
4. Brawijaya University
5. Sriwijaya University
6. Sebelas Maret University Dr. Moewardi Hospital
7. Kyushu University Hospital

# SAKURA SCIENCE Exchange Program

Train-the-Trainer program for engineers In Asia  
to accelerate international telemedicine

Invite young talented people from other countries and regions to Japan to introduce and offer experience in Japanese science and technology. Beginning in 2014, over 33,000 young people visited Japan on this program.

TEMDEC (Telemedicine for Development Center) take a part in this program.



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## JAPAN



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February 2023

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1 <b>Arrival</b>	2 Orientation	3 Setup Hybrid Conference	4 Culture study In Hiroshima University	5
6 VR & live demo	7 ID Neurology	8 Training report conference	9 <b>Departure</b>			



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# Feb 1: Arrival

- Fukuoka is my first experience solo traveling abroad
- First winter experience
- Luggage was delay until the next day
- Borrow Hafiz shirt for Day 1



# Feb 1: ARRIVAL



Special thanks to Mr Shunta and Ms Miho has pick up our group at the Fukuoka Airport



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# Feb 2: Orientation

- Introduction SAKURA PROGRAM was giving by Mr Shunta Tomimatsu and Mrs. Kuriko Kudo.
- Campus Tour by Ms. Miho Hayata
  - ✓ Took us to IT staff room
  - ✓ Restaurant for lunch
  - ✓ Prayer room
  - ✓ All around the Campus and hospital facility
- Information about our zoom account training and explanation about our activity in google calendar was giving by Mrs Yukiko Hisada



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# Campus tour



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# We found “The Most Wanted” Teleconference Room



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# Feb 3: Setup Hybrid Conference

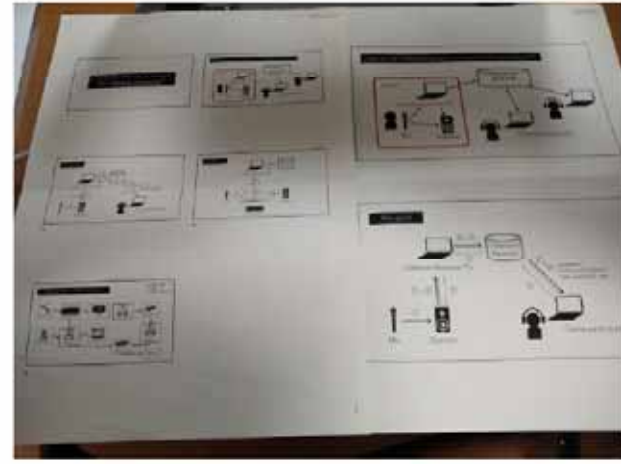
- Taken by Mrs Yoshiko Houkabe.
- Learn about quality audio and video for using Hybrid Conference and practice with some equipment.



# Feb 3: Setup Hybrid Conference



# Feb 3: Setup Hybrid Conference



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# Day 4: Culture Study to Hiroshima University

- Distance Fukuoka to Hiroshima 283 km
- Traveling with Sinkansen only 1 hours 7 minutes
- Met Professor Yoko Shinpuku and got the lecture about Fetal Ultrasound Education for Midwives Using ICT in Tanzania
- Go to Miyazimaguchi island



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# Day 5: Culture Study

## The atomic bomb dome, Peace Memorial Park, Hiroshima Castle



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# Day 6: Explanation about TEMDEC Conference room

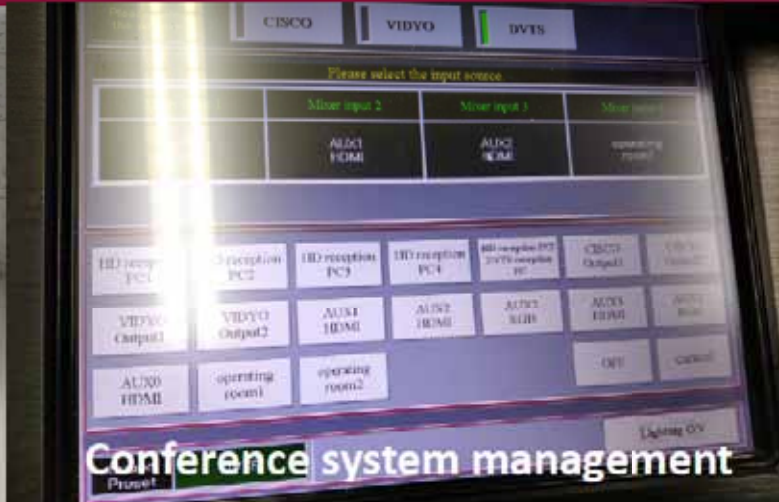
- TEMDEC have 3 system conferences (Vidyo, Cisco and DVTS) but DVTS not using again replaced by PC for video conference application
- 2 Panasonic PTZ camera with integrated remote
- Video mixer with 3 input
- 2 monitor display TV

# Day 6: Explanation about TEMDEC Conference room

Ceiling cam



Conference system management



Video Mixer



Operator Desk



Rack for PC application



PTZ Cam Control

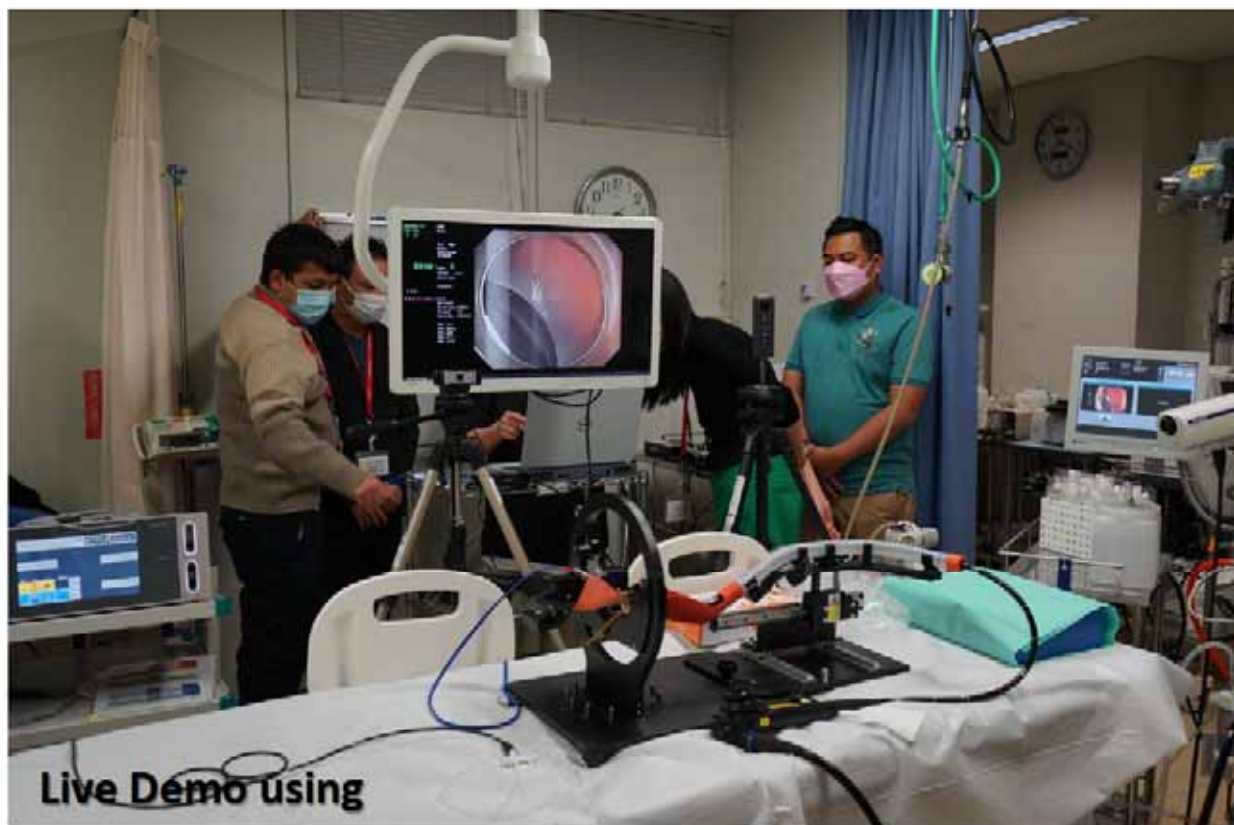


# Day 6: Construction for VR Endoscopy demo

- Using 3 sources camera (360 cam, endoscopy cam, and webcam)
- Using Oculus (VR tools)
- Demo test using RICOH browser conference application.
- Installing tools on the OT room
- live streaming Endoscopy demo



# Day 6: Construction for VR Edoscopy demo



# Day 7: Introduction of JoinView Application

- Mr Sintaro Ueda taken the Join View Application session
- Online video system Develop by TEMDEC (Server in TEMDEC)
- Make annotation in the Video surgery
- Very useful for Lecture
- Hope can get an account from TEMDEC



# Day 7: The 33<sup>rd</sup> ID Neurology Teleconference

- The special ID Neurology Teleconferences
- Met Prof Noriko Isobe and Dr Takuya Fuji in person
- Thanks to TEMDEC for trusted me to operate TEMDEC conference system tools.
- Thanks Mr Hafiz who have assisted for this session (as co-host)

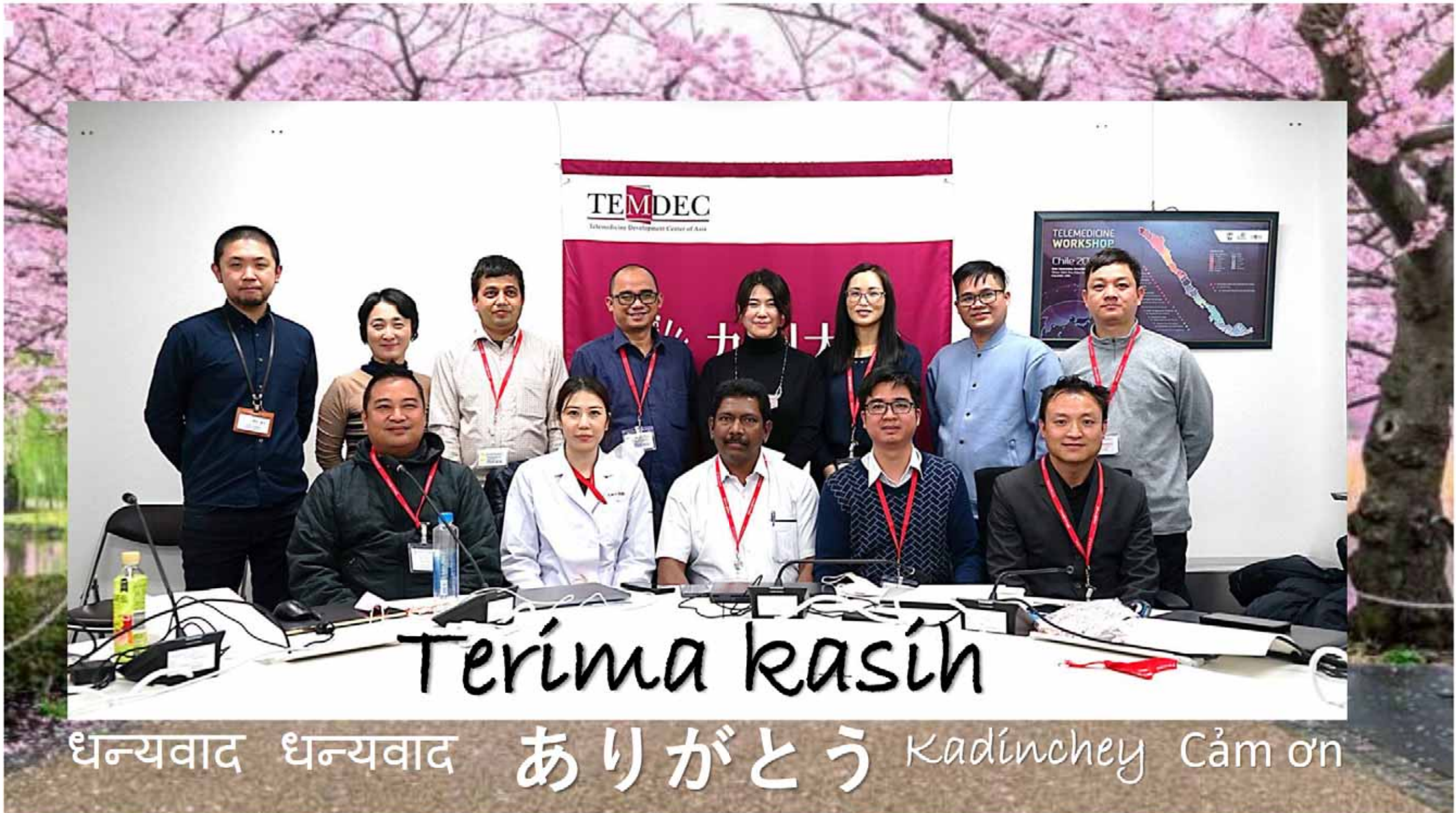


# Conclusion

- I Hope some Engineer from Indonesia can get this opportunity
- Make some collaboration project from all Engineers in teleconferencing system
- Keep going share knowledge between engineers
- Can learn the culture between engineers



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Teríma kasih

धन्यवाद धन्यवाद ありがとう Kadínchey Cảm ơn