



Please collaborate for a good conference

- ▶ Keep the microphones mute during the session.
- ▶ Leave the phones in the muffler
- ▶ Thank you for your cooperation and your presence.

Por favor, colabore para uma boa conferência

- ▶ Mantenha os microfones fechados durante a sessão
- ▶ Deixe os celulares no silencioso
- ▶ Obrigado por sua colaboração e sua presença.

ENGINEERS TRAINING PROGRAM

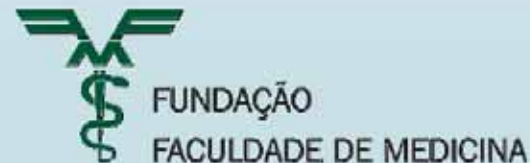
Bruno Rodrigues Sanches
São Paulo - Brazil



Composition of the FMUSP-HC System



- Administration Building
- Central Institute
- Institute of Psychiatry
- Children's Institute
- Heart Institute
- Institute of Orthopedics and Traumatology
- Institute of Radiology
- Institute of Physical Medicine and Rehabilitation
- Cancer Institute of the State of São Paulo
- Medical Research Laboratories
- Rebouças Convention Center.
- Auxiliary Hospital of Cotoxó.
- Auxiliary Hospital of Suzano.
- Medicine University of São Paulo



Videoconference rooms distributed by the FMUSP-HC complex



We have about 40 rooms equipped with videoconference equipment distributed by the complex



Telemedicine Development Center of Asia (TEMDEC)



TEMDEC Videoconferencing Room



Training has been started

TEMDEC Team, Kyushu University Hospital



Dr. Shuji
Shimizu



Ms. Kuriko
Kudo



Ms. Yoshiko
Houkabe



Ms. Chiharu
Kodama



Ms. Ryoko
Yoshida



Mr. Shunta
Tomimatsu



Mr. Yasuichi
Kitamura

TEMDEC Videoconferencing Room



Room equipment

- Polycom HDX 9000 Series
- Polycom SoundStructure C8
- VidyoRoom HD-230
- Digital Aut. Mixer AT-MX781a
- Power Controller WU-L61
- Video Switcher V-40HD
- TV TH-65PF20
- Camera Sony BRC-H700P HD
- Remote Control RM-BR300
- Multi Switcher MSD-4403
- Matrix Switcher MRX-804 DVI
- Media Edge LEB4
- Multi-Format VC-300HD
- Kramer VM-4HDCP
- Format converter XC1
- CP-283 HD 2X
- EPSON MR4000
- Master View MAX CSI308
- Amplifier WA-H 120
- Sound Box RAMSA WS-AT75
- Led Reflectores

Auxiliary rooms

Recording Features



- Endeavor Pro 4700
- I.O DATA HDL-GT Series
- Distribution Amplifier VAC-2000 UHD
- Recorder Full HD DMR-T4000R
- iiyama 82409HDS
- Buffalo Switch BS-GS 2016

MCU - TEMDEC



- Vidyo Portal
- Vidyo Router
- Vidyo Gateway XL
- Polycom RMX 1500

Monitoring room



- Monitor I-O DATA

Conference Systems Used



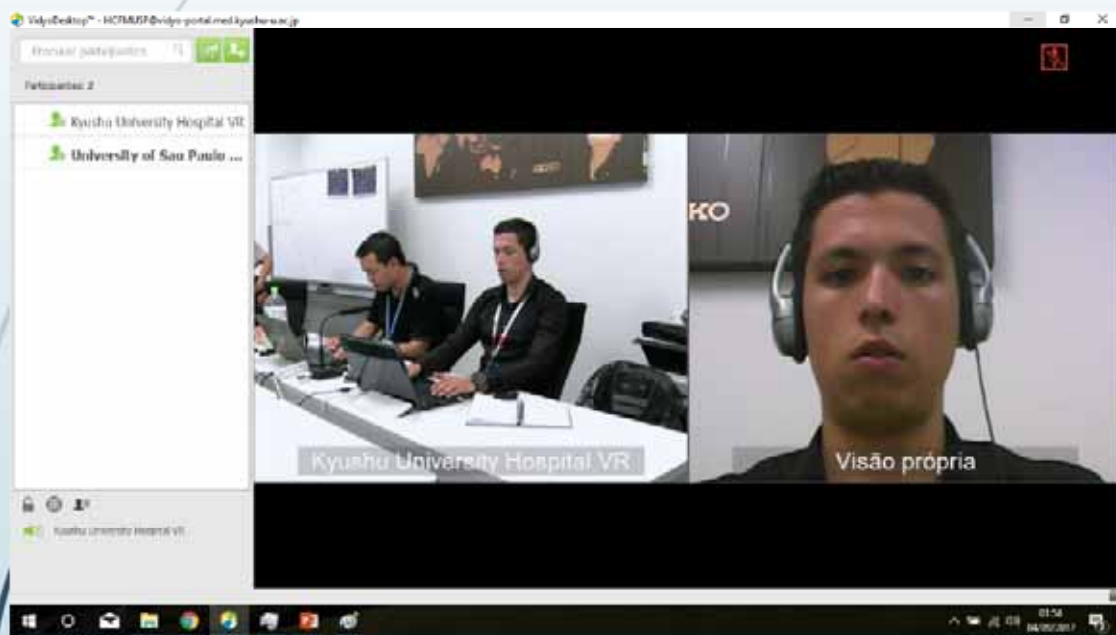
- ▶ DVTS (Digital Video Transport System)
- ▶ H.323 Video Conference System (Polycom, etc)
- ▶ H.264/SVC Video Conferencing System
- ▶ Adobe Connect
- ▶ System Telepointer

Activities

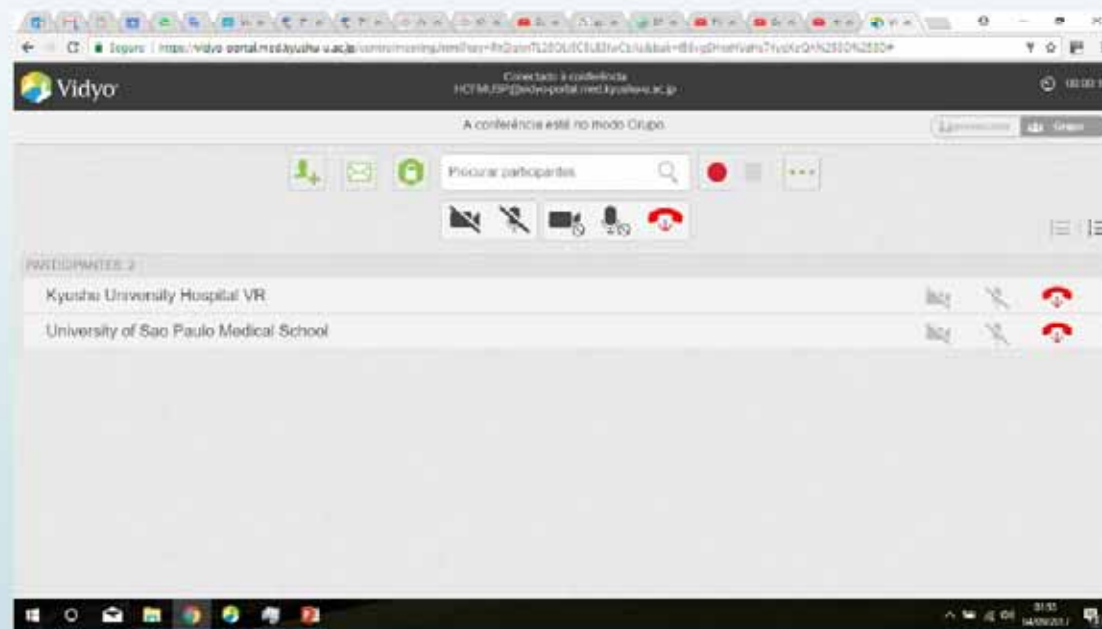
- ▶ We learned how to use the Vidyo system
- ▶ We assemble and test the vidyo system



Vidyo System



Using The Vidyo System



Meeting Room Management

Activities

- ▶ Testing the WebConferencing Zoom System
- ▶ We use and test the H.323 system
- ▶ Connections using MCU (Polycom, Vidyo, Codian)



Visit To The Surgical Center

- ▶ Last Generation Systems
- ▶ Operation rooms have Vidyo equipment for live transmission



Visit To The Surgical Center

- ▶ Automated system for the transport of garbage from operating rooms to waste areas
- ▶ Surgical follow-up in the rest room



Chief engineer session



APAN Project

- ▶ during the meeting we took care of the presentations, and did a test before starting the meeting.
- ▶ Using the Vidyo System



Participation of the APAN Project



APAN Project

- ▶ Endoscopy PUMCH Session
- ▶ Endoscopy Club E-conference
- ▶ Endocrine Surgery Session
- ▶ HPB Session
- ▶ Dental Session 1
- ▶ Endoscopy AIG Session
- ▶ MIS JIPMER Session

Knowledge Learned

Vidyo

- ▶ sharing of screen
- ▶ Room management
- ▶ Vidyo gateway to H.323

DVTS

- ▶ Not easy to use
- ▶ high bandwidth required

Polycom RMX

- ▶ Room management
- ▶ MCU Management

Additional

- ▶ Video Quality is a Must
- ▶ Mute Microphones
- ▶ Confirm Attendance ASAP
- ▶ Coordinate and cooperate



My Future

All the knowledge gained here will be of paramount importance to my workplace, to solve problems and improve conferences, helping physicians improve their case transmissions.

I will replicate all the knowledge obtained here for the partner institutions.

Thank you so much for all the training I received.



From Brazil To Japan



Fukuoka City

Fukuoka Tower

- ▶ One Of The Best Views
- ▶ Beautiful Beach



Fukuoka City

Nanzoin Temple

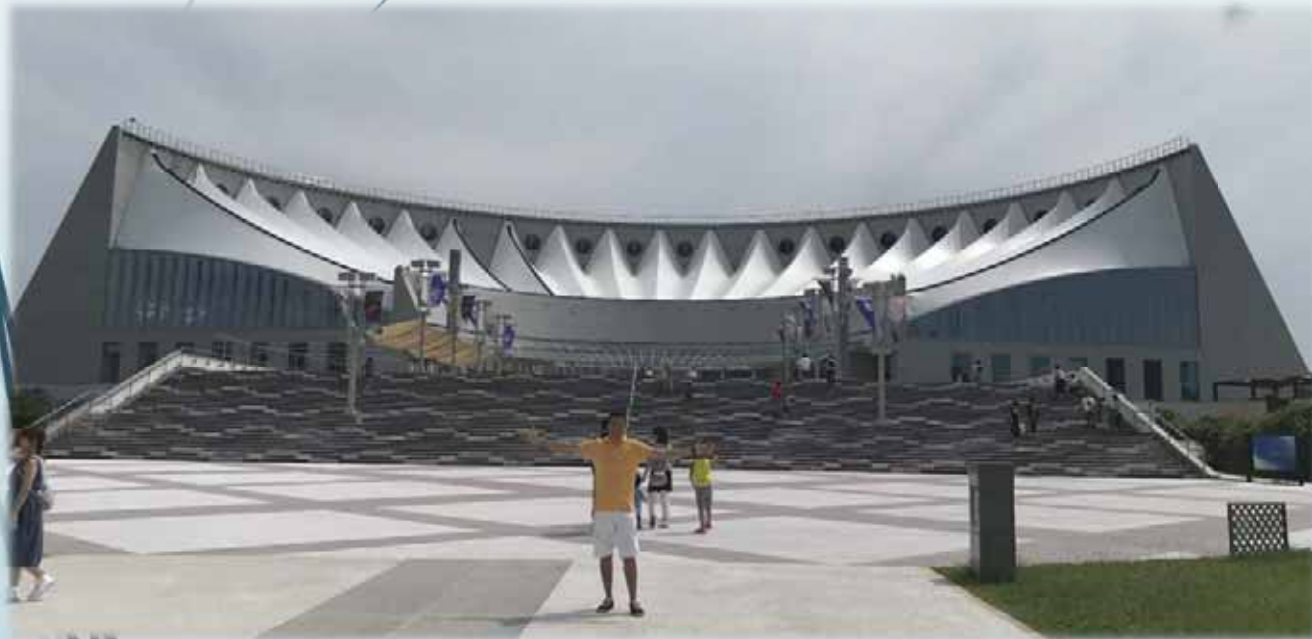
- ▶ Very Beautiful Places
- ▶ One Of The Largest Bronze Statues In The World



Fukuoka City

Marine World Fukuoka

- A Spectacular Place
- Fine Attractions



Hiroshima

Peace Memorial Park

- ▶ A wonderful place, sad to know that brings a huge tragedy.



Great Foods



Muito Obrigado
どうもありがとう
Thank you very much



ブルーノ・サンチエス