

One-month Training Report

National Institute Of Medical Sciences and Nutrition

(30th January 2017 – 24rd February 2017)

Maria de los Angeles Olvera Cordero

INCMNSZ



- The National Institute of Medical Science and Nutrition Salvador Zubiran (INCMNSZ) It was inaugurated on October 12, 1946, under the name of Hospital of Nutrition Diseases. To extend its functions into other fields, in 1978 the name was changed to the National Institute of Nutrition Salvador Zubiran
- It is one of the National Institutes of Health under the Ministry of Health in Mexico. The current Director is Doctor David Kershenobich Stalnikowitz.
- The initial objectives were achieved successfully and, in its more than 60 years of existence, the number of medical departments grew from 3 to over 40, covering almost all specialties in medicine.
- Through the Department of Education, it now offers 22 postgraduate courses endorsed by the National Autonomous University of Mexico. The INCMNSZ has the 10% of the top residents in the country, who are chosen by CV and personal interviews.



The Institute specializes in internal medicine and surgery, attending in the following areas.

- Diseases of endocrine and metabolic glands.
- Surgery of the abdomen and endocrine glands
- Diseases of the liver and pancreas.
- Diseases of the kidney and urinary tract.
- Genetic diseases in adults.
- Digestive diseases.
- Hematologic diseases.
- Chronic infections.
- Rheumatic diseases.
- Transplants



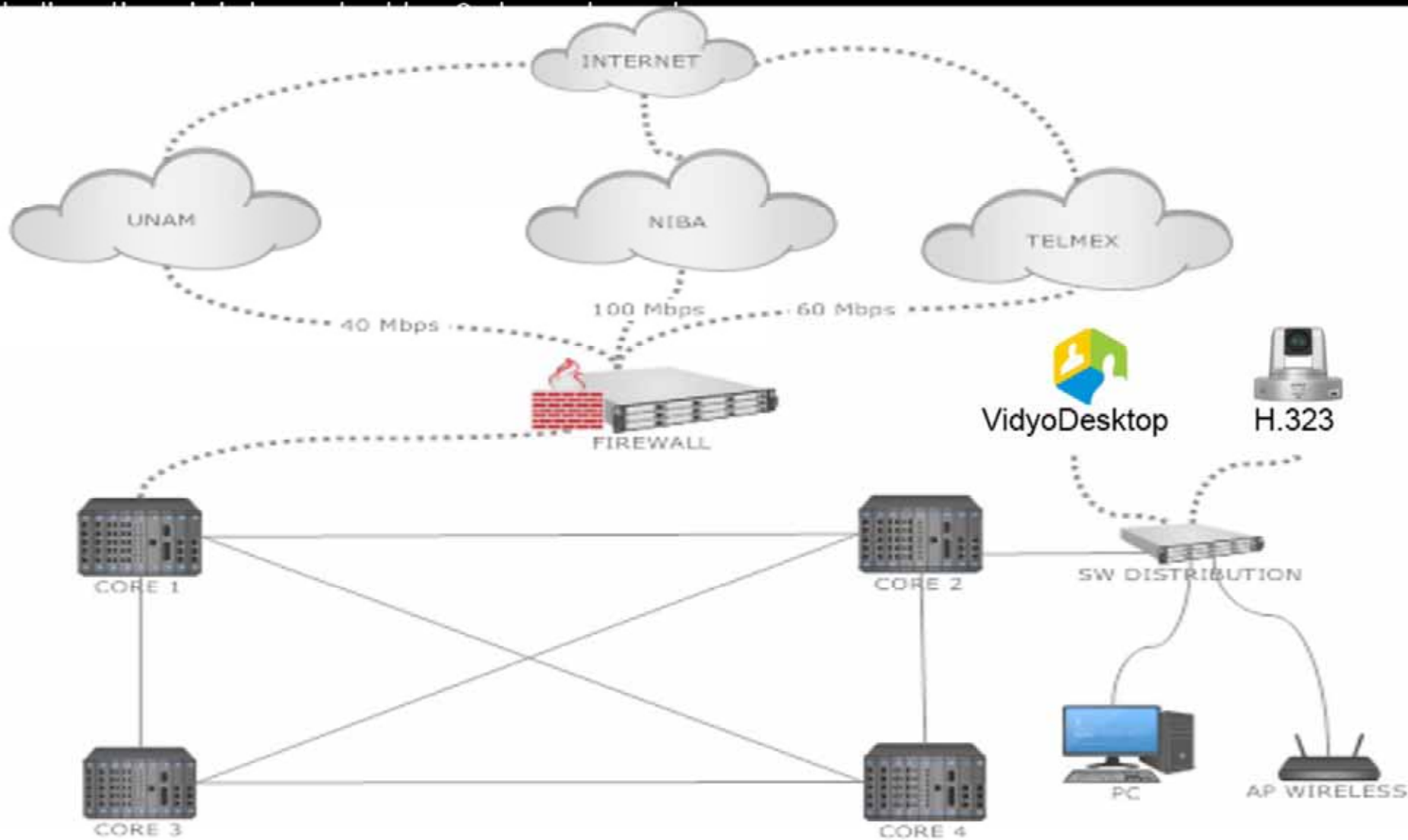
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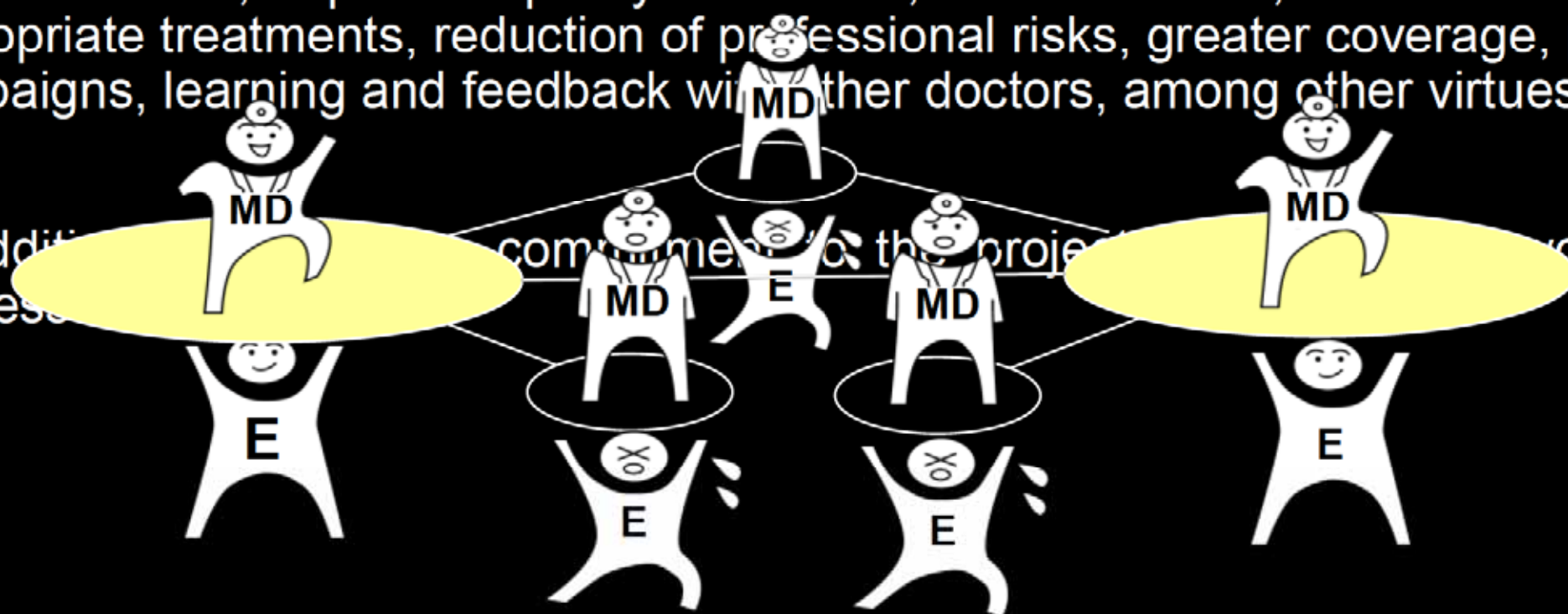
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How is telemedicine realized

- Telemedicine has many benefits such as shorter care times, more timely diagnosis and treatments, improved quality of service, reduced costs, continued care, more appropriate treatments, reduction of professional risks, greater coverage, prevention campaigns, learning and feedback with other doctors, among other virtues.

- In addition, the commitment of the project team work a safe success



Quality (Basics):

- Connection to the Internet: Bandwidth: 2 Mbps or better (recommended)
- RAM: 2 Gb or higher
- CPU: Core 2 Duo 2 GHz or better
- No global IP address

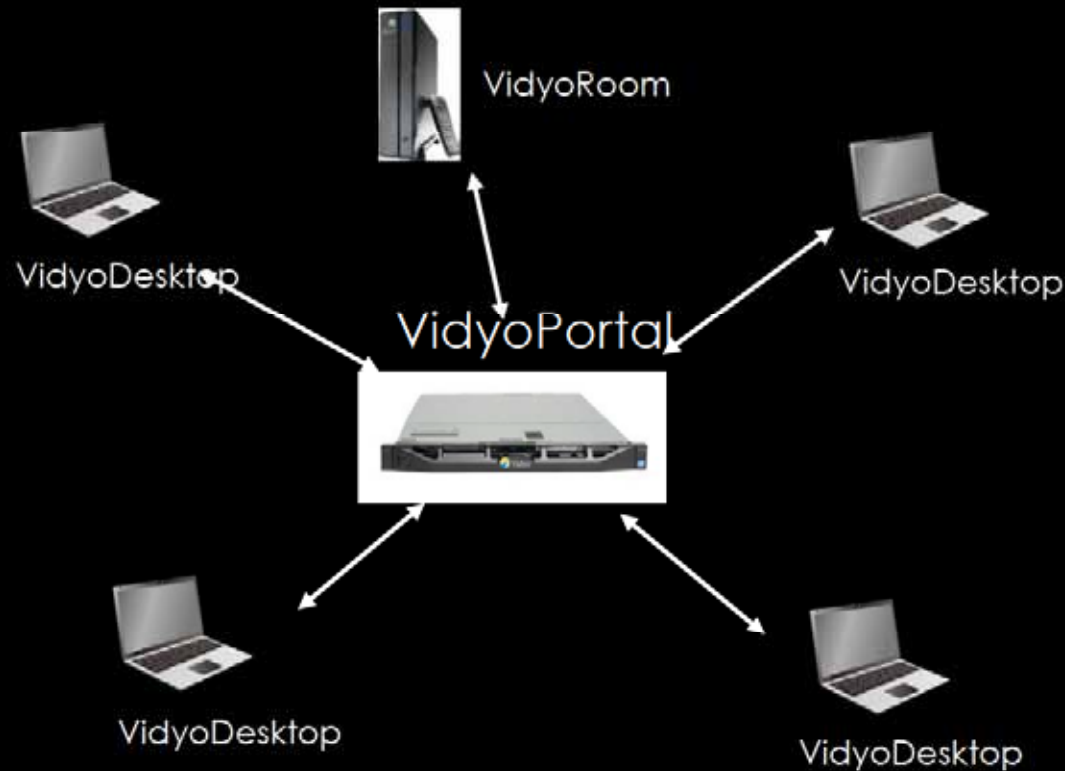


Basic Equipment

- PC or teleconference system
 - Webcam
- Speaker with mute bottom or USB headset
- Screen or data show



Vidyo System



Advantages

- High quality of data transmission (Image and sound)
- Easy to connect (several connections)
- Users don't need a special room
- Easy to manage

Disadvantages

- Need of Server (VidyoPortal) -> High Cost
- Content Sharing in Vidyo Desktop is not suitable for movies or animations
- Need of Vidyo Room to Share movies or animations in presentations
- When sharing movies through Vidyo Room, sound is not easy to manage (mixer recommended).

H.323



Advantages

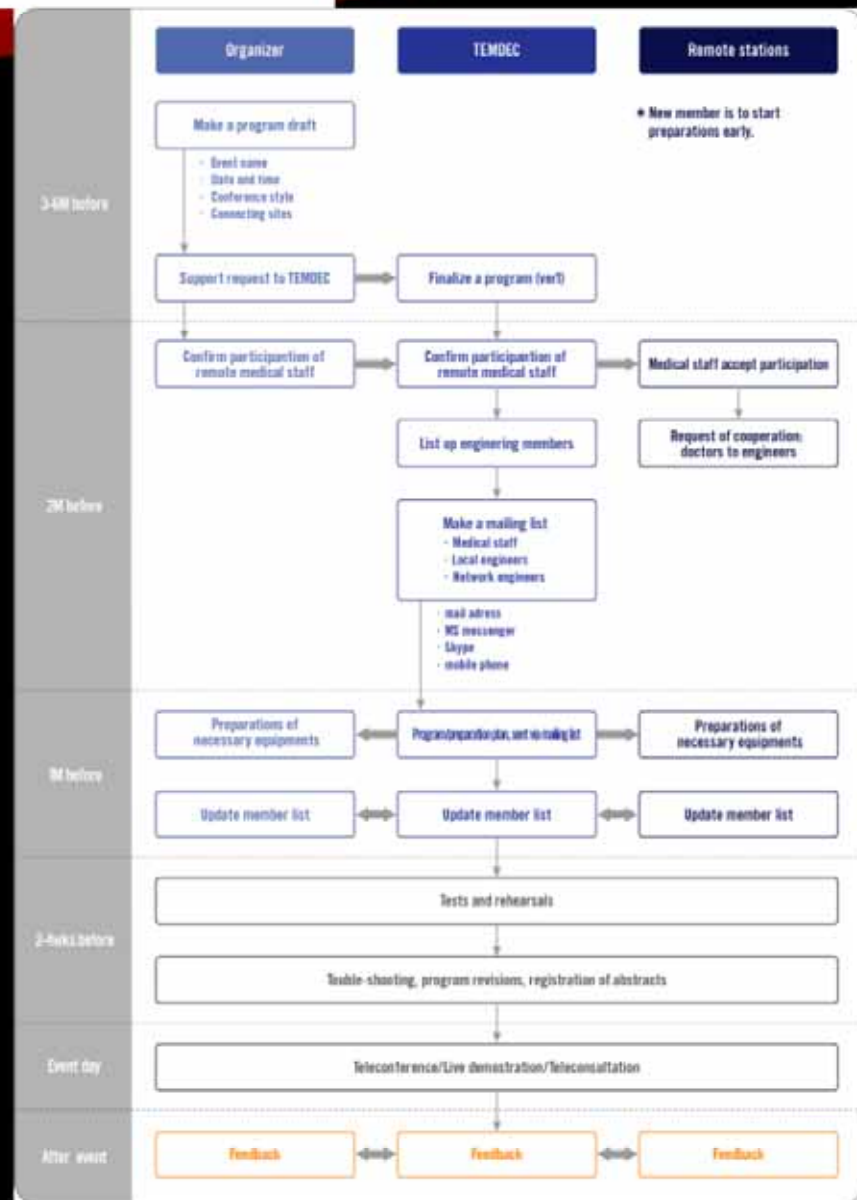
- High quality of data transmission (Image and sound)
- HW solution designed for Teleconference
- Doesn't need a server for point to point connection

Disadvantages

- High costs (Endpoints, devices and Server)
- Operation Interfaceneeds know how
- Needs a server (MCU) for multiple connections



Technical preparation



Technical preparation



Team	Key	Name	Role
Kyushu University Hospital	N	Akira Aso	Medical Staff
		Naoki Nakashima	Medical Staff
		Shuji Shimizu	Medical Staff
		Taiki Moriyama	Medical Staff
		Tomohiko Moriyama	Medical Staff
		Hu Min	Engineer
		Koji Okamura	Engineer
		Kuriko Kudo	Engineer
		Nobuhiro Torata	Engineer
		Shunta Tomimatsu	Engineer
		Yasuichi Kitamura	Engineer
		Yoshiko Houkabe	Engineer
		Yu Yawen	Engineer
		Yuta Hotokebuchi	Engineer
		Chiharu Kodama	Secretary /
		Ryoko Yoshida	Secretary /
Yui Hamazaki	Secretary /		
	M	Akiko Oyama	
	M	Guido Grajales Figueroa	Medical Staff
	M	José Estradas	Medical Staff
	L	Luis Alberto Carmona Ayala	Engineer
	L	Maria de los Angeles Olaya	Engineer
	N	APAN-JP	Engineer
		Keiko Tsuchiya	Engineer
		Keisuke Tsuchida	Engineer
The National Institute of Medical Sciences and Nutrition	N	Carlos Casasus	
	N	Nancy Gertrudiz	
	M	Miguel Tanimoto	Medical Staff
	M	Rafael Barreto	Medical Staff
		Héctor Moreno Jiménez	Engineer
National Cancer Institute of Mexico (INCan)		Angel Herrera Gomez	Medical Staff
		Angélica Hernández-Guer	Medical Staff
	L	Sandra Rocha	Engineer
University of Costa Rica	N	Alvaro de la Ossa O	Engineer
	N	Esteban Meneses Rojas	Engineer
	ML	Luis Espinoza	Engineer

Training-report of Endoscopy and Engineering with Mexico

Session Outline			
Session Title	Training-report of Endoscopy and Engineering with Mexico		
Local Time at Main Venue	2017-02-22 09:00 - 9:00am, Fukuoka, JP (UTC+09:00)		
Organizer	Kuriko Kudo		
Topic	Training Experience in Kyushu University Hospital		
Contents	Cities		
Bye	Conference		
Connection Method	Video		
Server/AS	Kyushu University Hospital		
Broadcasting Address	https://video-replay.med.kyushu-u.ac.jp/medya/webcast/Show.html?key=HK020m1nuy75		
Brief Description	In this session, we will have presentations from medical professionals about their training experience necessary on telemedicine engineering. The teleconference will be connected their presentations with their colleagues. They will introduce their institutions and departments, and newly experienced, and will add some cultural experiences and what they enjoyed during		
Key Members			
	Name	Institution	
Chair	Miguel Tanimoto	The National Institute of Medical Sciences and Nutrition	
Co-Chair 1	Rafael Barreto	The National Institute of Medical Sciences and Nutrition	
Co-Chair 2	Shuji Shimizu	Kyushu University Hospital	
Chief Engineer 1	Maria de los Angeles Olaya	The National Institute of Medical Sciences and Nutrition	
Chief Engineer 2	Luis Alberto Carmona Ayala	The National Institute of Medical Sciences and Nutrition	
Chief Engineer 3	Sandra Rocha	National Cancer Institute of Mexico (INCan)	
Chief Engineer 4	Shunta Tomimatsu	Kyushu University Hospital	
Connecting Institutions			
	ID(Main)	City, Country	Moderator
	1	Kyushu University Hospital	Shuji Shimizu
	2	The National Institute of Medical Sciences and Nutrition	Miguel Tanimoto
	3	National Cancer Institute of Mexico (INCan)	Sandra Rocha
	4	University of Costa Rica	-
* Red is to be confirmed.			
Schedule			
Main venue	Contents	Presenter	Local time
1. Fukuoka, JP			2, 3, 4
2017-02-22 08:30-09:00	Connection starts & last preparation		2017-02-21 17:30-18:00
09:00-09:05	Coming remarks		18:00-18:05
09:05-09:17	Presentation 1	Guido Grajales Figueroa@Instituto Nacional de Ciencias Medicas y Nutricion	18:05-18:17
09:17-09:29	Presentation 2	José Estradas@Instituto Nacional de Ciencias Medicas y Nutricion	18:17-18:29
09:29-09:41	Presentation 3	Maria de los Angeles Olaya@Instituto Nacional de Ciencias Medicas y Nutricion	18:29-18:41

Address	Phone	Mobile	Skype ID	Country	City
tm3.m	+0-	+0-		Japan	Fukuoka
	+0-	+81-90-5292-2734		Japan	Fukuoka
	+0-	+81-90-5488-2293		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
ore	+0-	+81-90-9799-9717	oniku-29	Japan	Fukuoka
	+0-	+81-80-8954-8938	kuricom	Japan	Fukuoka
	+0-	+81-90-9478-3185	tora-kuh	Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
pan.net	+0-	+81-90-9143-8022		Japan	Fukuoka
	+0-	+0-	houkabe.tem	Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
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	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+0-		Japan	Fukuoka
	+0-	+81-9093642684		Japan	Tokyo
	+0-	+0-	keisuke.tsuchi	Japan	Tokyo
	+0-	+0-		Mexico	Condesa
	+0-	+52-5554192839	ngertrudiz	Mexico	Condesa
oto@hotmail	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Mexico	Mexico City
	+0-	+0-		Costa Rica	San Jose
	+0-	+0-		Costa Rica	San Jose
	+0-	+506-2511-8244	lespinoz	Costa Rica	San Pedro
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Technical preparation



Vidyo Webcast

English HD72

EMCE conference recording. Tue February 14 2017 16:56:43 by Yoshiko Houkabe

In conclusion...

Chat (Everyone):

- Francisco at TEMDEC: shunta, have you had any news from Dr. Luis Mendez?
- Francisco at TEMDEC: Do you know if he's got the streaming address?
- shunta@india: moment-Francisco
- shunta@india: Francisco - I already told him about the URL and PIN, so tha no problem. I guess
- Sandra Rocha@TEMDEC Latin American Team: We cannot hear you
- Francisco at TEMDEC: Thank you Shunta
- Francisco at TEMDEC: He sent an image and everything is working good
- Francisco at TEMDEC: thanks again
- shunta@india: good to hear that
- Cho Ray Hospital: What's happen?
- India Habitat Center: Helmy, your sound level is low
- India Habitat Center: please increase sound levil
- Kuriko@Temdec: Helmy, your microphone sound is different from last
- Cho Ray Hospital: Please increase the sound!
- Cho Ray Hospital: it's OK!
- Kuriko@Temdec: may be, now your microphone device is not used for Vidyo desktop, and your internal microphone may used... after this presentation, please check it.
- India Habitat Center: now is ok.
- India Habitat Center: the sound level setting in vidyo go back to default after reconnect
- UMMC - Helmy: so sorry.. pover failure

Notes 6

Emergency contact
ML:
skype: live:mohamadza tomimatsu.jinan

Notice
-Please mute your mic

出席者 (13)

Active Speakers

- Angelies TEMDEC
- Carlos - LA TEAM - TEMDEC
- Cho Ray Hospital
- Francisco at TEMDEC
- India Habitat Center
- kamarul@USM
- Kuriko@Temdec
- Luis@TEMDEC-INCMNSZ
- ryoko
- Sandra Rocha@TEMDEC Latin American Team

Technical preparation



Checklist and issue template for DENTAL session

Institution name	Engineer	Network	Video	Sound	Presentation	Note
1. New Delhi / Venue	Dr Aqsa Sjuhada					
2. University of Indonesia I (Dent)	Dr Mellisa Adiatman					
3. University of Indonesia II (Med)	Dr Aria Kekalih					
4. Airlangga University	Dr Anis Irmawati & Prof Harjanto	Probably low bandwidth or low processing on their PC		Sound echo during the presentation at the start	Low quality	Appears an alert during the presentation.
5. University of Sumatera Utara	Prof Sondang Panggabean / Dr RehulinaGinting					
6. University of Brawijaya	Dr Miftahul Cahyati / Dr Kartika Andari		Low quality	Echo is heard at the beginning of the presentation.		
7. Kagoshima University	Prof Norifumi Nakamura & Prof TsuyoshiSuziura					
8. Tohoku University	Dr Hitoshi Miyashita & Dr Guang Hong					
9. National Taiwan University	Dr Hsin-Ming Chen / Prof Min-HueyChen		Without video	Echo is heard during the presentation.		
10. University of Hang Tuah	Dr Widyastuti / Dr Syamsulina Revianti / DrDwi Andriani			Sound was too low		
Name:						
Chief Engineer* Mr Tunggul Laksono Brawijaya University						

#688 The 10th Asia Telemedicine Symposium -2	2016.12.03
[Event] The 10th Asia Telemedicine Symposium -2	[Comments] On the 2nd day of 10th Asia Telemedicine Symposium, the first Vietnam Telemedicine Workshop took place.
[Date] 2016.12.03	After lunch, the current status of early gastric cancer in each hospital was reported by gastroenterologists from various countries as updates for joint research for early gastric cancer. Finally, the research collaboration session of Asia-Pacific telemedicine for detection of early gastric cancer was held.
[Venue] JW Marriott Hotel Hanoi (Vietnam), Seoul National University Dongang Hospital engineer's house/ Seoul (Korea, Republic of), Hae University Hospital (Vietnam), Hae General Hospital (Vietnam), Cho Ray Hospital (Vietnam)	
	
Teleconference view at JW Marriott Hotel Hanoi	Monitor shows connected sites
	
A presented slide	Dr. Tanimoto (R.) receives a certificate
Picture taken at Kyushu University Hospital	Picture taken at JW Marriott Hotel Hanoi
	
Dr Syih from Brawijaya U makes a remote presentation	Engineers established a connection behind the venue.
Picture taken at JW Marriott Hotel Hanoi	Picture taken at JW Marriott Hotel Hanoi



Conection Test





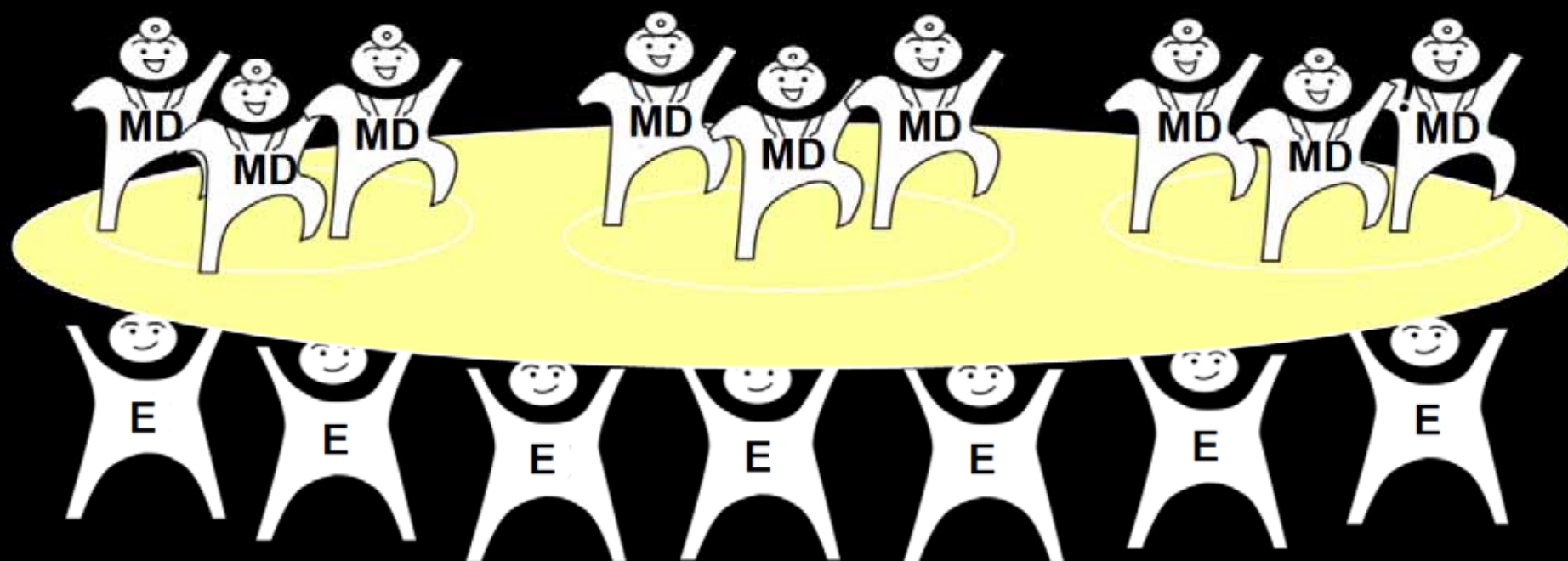
APAN 43 India



How to resolve problems

- In VidyoRoom, when showing a movie, the sound quality was poor. It is improved by using a mixer.
- It is recommended to share videos or animations using VidyoRoom during a Telemedicine session.
- We had a connection problem because the firewall wasn't letting the application to communicate with the server.

Work, commitment to the project and cooperation among all participants are the key to success.





Life in Japan







Future Plans

The immediate plan is: TEMDEC and telemedicine sessions, seek to increase the number of these so that more doctors can benefit from this technology and its applications. Also promote it in other health institutions.

Latin american team is very enthusiastic about the training and everything we have been through, so we plan to have a Telemedicine Endoscopy session with Mexico, Brazil and Chile (hopefully Argentina, Costa Rica and Colombia as well) for July 2017 (Tentative date) For which we hope to have the support of our authorities and TEMDEC.

どうもありがとうございました

Thank you !