

# Telemedicine in Vietnam

## - Go One-step Forward ! -

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Director,  
Telemedicine Development Center of Asia,  
Kyushu University Hospital,  
Fukuoka, Japan



Apr 25, 2019, 3<sup>rd</sup> Vietnam Telemed. WS, Hanoi



KYUSHU UNIVERSITY



# The First Vietnam Telemedicine Workshop

2016.12

## PROGRAM



# The Second Vietnam Telemedicine Workshop

Date : April 20, Friday, 2018

Venue : Saigon II, 2nd floor, Hotel Equatorial Ho Chi Minh City



## Program

8:30 - 9:00	<b>Registration</b>	
9:00 - 9:30	<b>Opening Remarks (10 min)</b> <b>Telemedicine expansion in the world by APAN MWG (10 min)</b>	Ho Dang Quy Dung, MD Shuji Shimizu, MD, PhD
9:30 - 10:30	<b>Session 1. Update in Telemedicine : Clinics &amp; Technology</b> <i>This session will demonstrate the updates regarding telemedicine from different hospital such as activities, set-up, problems and plans.</i> - Presentation by doctor (5mins) (updating telemedicine international/regional activities, problems and plans) - Presentation by engineer (5mins) (updating on staffs, internet, equipment, problems and plans)	1. Cho Ray Hospital, Ho Chi Minh <b>By doctor</b> : Nguyen Vu Hoang Trang, MD <b>By engineer</b> : Le Thanh Ni, MD, Nguyen Huu Duc
		2. University Medical Center HCMC, Ho Chi Minh <b>By doctor</b> : Le Quang Nhan, MD <b>By engineer</b> : Luu Quoc Hoa, Pham Ngoc Dao
		3. Viet Duc Hospital, Ha Noi <b>By doctor</b> : Pham Hoang Ha, MD <b>By engineer</b> : Bang Au Tran, Le Minh Thai
		4. 108 Military Central Hospital, Ha Noi <b>By doctor</b> : Vu Van Khien, MD, Nguyen Lam Tung, MD <b>By engineer</b> : Le Vuong Quy
		5. Bach Mai Hospital, Ha Noi <b>By doctor</b> : Tran Viet Hung, MD
10:30 - 11:00	<b>Break</b>	
11:00 - 12:00	<b>Session 2. Update in Telemedicine : Clinics &amp; Technology</b>  <b>Chairs:</b> Dang Thanh, MD, Pham Ngoc Dao <b>Commentators:</b> Nguyen Vu Hoang Trang, MD, Phan Nhat Tan, MD, Le Vuong Quy	1. E Hospital, Ha Noi 2. Hue Central Hospital, Hue 3. Hue University of Medicine and Pharmacy, Hue 4. VINARA, Ha Noi
12:00 - 12:30	<b>Session 3. Discussion for the Future Activity in Endoscopy</b>  <b>Chairs:</b> Le Quang Nien, MD, Tamohiko Miyazaki, MD <b>Commentators:</b> Le Thanh Ni, MD, Cao Duc Minh, Vu Van Khien, MD	Discussion (30min) - Program plan for teleconferences - Technical preparations
		<b>Group photo</b>
12:30 - 13:30	<b>Lunch</b>	
13:30 - 15:00	<b>Session 4. Telemedicine in Other Specialties</b>  - Presentation from each specialty (7 min) (activity, plan, medical needs for telemedicine)  <b>Chairs:</b> Wang Hoang Ha, MD, Lam Viet Trung, MD <b>Commentators:</b> Hoang Danh Tan, MD, Hong Van Hiep, MD, Ly Xuan Quang, MD, Lam Hoa Phuong, MD, Bui The Dung, MD	- Rehabilitation 1. Cho Ray Hospital, Ho Chi Minh - Ophthalmology 2. Vietnam National Institute of Ophthalmology, Ha Noi - Dental 3. Hanoi Medical University, Ha Noi 4. Ninh Binh General Hospital, Ninh Binh 5. Kyushu University Hospital, Japan - Variety of Fields 6. University of Tsukuba, Japan
		Discussion (15min)
15:00 - 15:30	<b>Coffee Break</b>	
15:30 - 16:00	<b>Session 5. Demonstration of the Current Technology in Telemedicine</b>  <b>Chairs:</b> Cao Duc Minh, Kuriko Kubo <b>Commentators:</b> Vo Duy Long, MD, Pham Minh Hai, MD, Tran Thanh Vy, MD, Yoshihiko Inokubo	Telemedicine Technology Discussion (10min)
16:00 - 16:15	<b>Closing Remarks</b>	
16:00	<b>Gala Dinner</b>	



# The Second Vietnam Telemedicine Workshop



# Domestic Workshop - 2

Myanmar

5

Dec 21, 2018

## TELEMEDICINE WORKSHOP in MYANMAR

Date : Friday, December 21, 2018  
Venue : Training Center in Yangon General Hospital

8:30 - 9:00  
(30min)

### Registration

9:00 - 9:35  
(35min)

### Opening Speech

- Welcome Address — Professor, Dr. Daw Yoo Yee Myint, Director General/Professor, Medical Superintendent, YGH (5 min)
- Telemicine expansion activity — Mr. Takumi Munesato, Director of JTEC (50 min)
- Medical issues in Myanmar — Professor, Dr. Zaw Than Tun, Department of Medicine, YGH (10 min) (Group Photo: 10 min)

9:35 - 9:55  
(20min)

### Session 1: Keynote Speech — Introduction of TEMDEC Program

Dr. Shuë Shimizu, Director of TEMDEC

9:55 - 10:15  
(20min)

### Session 2: Myanmar Situations (1) — Network

- Research and Education Network (REN) in Myanmar — Dr. Ma Ma Thil Thwin, Rector, University of Computer Science, Yangon (10 min)
- Broadband network in Myanmar — U Kyin Zaw Oo, Assistant General Manager, MPT (10 min)

10:15 - 10:45  
(30min)

### Coffee break

10:45 - 12:15  
(90min)

### Session 3: Myanmar Situations (2) — Medical colleges and hospitals

Chair : Professor, Dr. Dora Terumi Myint, Professor, UMI

- Introduction of institute, medical needs, telemedicine experiences, network, equipment and staffs from both academic and inpatient (5 min each from doctor and engineer)
- University of Medicine 1, Yangon
- Yangon General Hospital
- University of Medicine, Mandalay
- Central Women's Hospital, Yangon
- University of Medicine 2, Yangon
- University of Medicine, Mogoke
- Yangon Children's Hospital
- University of Dental Medicine, Yangon
- Q&A (each 15min)

12:15 - 12:45  
(30min)

### Session 4: Demonstration

Chair : Dr. Tomochiko Matsuzawa

- Keio University Hospital, Japan — Dr. Tomochiko Matsuzawa
- Chulalongkorn University Hospital, Thailand — Dr. Thanawat Luangvarak

12:45 - 13:35  
(50min)

### Lunch Break

13:35 - 13:55  
(20min)

### Technical issues

Mr. Chinnaso Ueda, staff of TEMDEC

13:55 - 14:30  
(35min)

### Discussion with Coffee

Chair : Dr. Myint Myint Aye, Medical Superintendent, YGH

- Current situation
- Future plan
- Next meeting
- Summary

14:30 - 15:00  
(30min)

### Closing Remarks

Professor, Dr. Daw Yoo Yee Myint, Director General/Professor, Medical Superintendent, YGH



- 77 people
- The sessions 'network', 'medical colleges and hospitals', 'live demonstration of endoscopy from Japan and Thailand' and 'technical issues' were held.

# Domestic Workshop - 3

# Philippines

Jan 2019

**The Third Philippine Telemedicine Symposium**

## Participants

Doctors and Speakers

 Dr. Arden S. Balboa TOP / 2015 Philippines	 Dr. Stan Lopez TOP / 2018 Philippines	 Dr. Rafael Umali TOP / 2018 Philippines	 Dr. Enrico Linares TOP / 2018 Philippines
 Dr. Narda Talon TOP / 2018 Philippines	 Dr. Eric Soriano TOP / 2018 Philippines	 Dr. Jeffrey P. Santos TOP / 2018 Philippines	 Dr. Brian Ross Bostad TOP / 2018 Philippines
 Dr. Remy Bay TOP / 2018 Philippines	 Dr. Ray P. Alvarez TOP / 2018 Philippines	 Dr. Michael Lumbao TOP / 2018 Philippines	 Dr. Arnold Lim TOP / 2018 Philippines
 Dr. William Bickel TOP / 2018 Philippines	 Dr. Arvin Morales TOP / 2018 Philippines	 Dr. Miguel Alonzo TOP / 2018 Philippines	 Dr. Mike Bickel TOP / 2018 Philippines
 Dr. Robert Gray TOP / 2018 Philippines	 Dr. Raul M. Ochoa TOP / 2018 Philippines	 Dr. Roberto Espinoza TOP / 2018 Philippines	 Dr. Anthony Man TOP / 2018 Philippines
 Dr. Michael TOP / 2018 Philippines	 Dr. Raul M. Ochoa TOP / 2018 Philippines	 Dr. Jeffrey P. Santos TOP / 2018 Philippines	 Dr. Remy Bay TOP / 2018 Philippines
 Dr. Steven TOP / 2018 Philippines	 Dr. Raul M. Ochoa TOP / 2018 Philippines	 Dr. Jeffrey P. Santos TOP / 2018 Philippines	 Dr. Remy Bay TOP / 2018 Philippines

Engineers

 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines
 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines
 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines
 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines	 Mr. Stephen TOP / 2018 Philippines

TEMDEC

 Dr. Stephen TOP / 2018 Philippines	 Dr. Stephen TOP / 2018 Philippines	 Dr. Stephen TOP / 2018 Philippines	 Dr. Stephen TOP / 2018 Philippines
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- 65 people
- The sessions 'global challenges', 'endoscopy', 'demonstration', 'clinical applications' and 'tutorial' were held.

# Domestic Workshop - 4

Nepal



- 94 people
- The sessions 'Role of Engineering in Telemedicine', 'Applications of Telemedicine Services', 'Future of Telemedicine in Nepal' and 'Group Discussions and Presentations' were held.

Mar 2019



# Domestic Telemedicine Workshops

**In Latin  
America**



**2018.11  
Mexico**



**2018.11  
Chile**





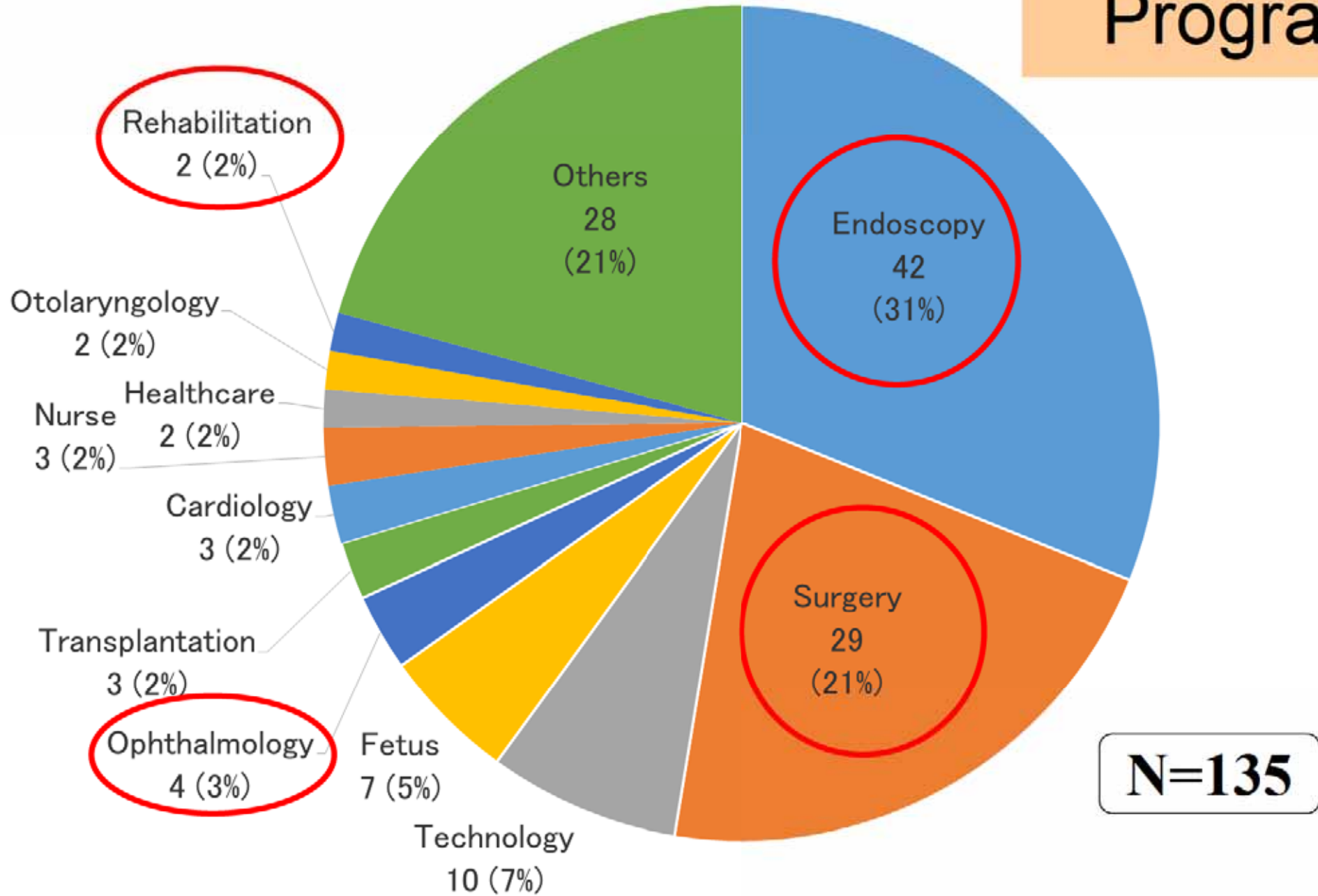
# Key Elements in Domestic Workshops

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- Program
- Technology
- Members
- Problems

- Discuss between doctors and engineers
- Make next plans

# Program

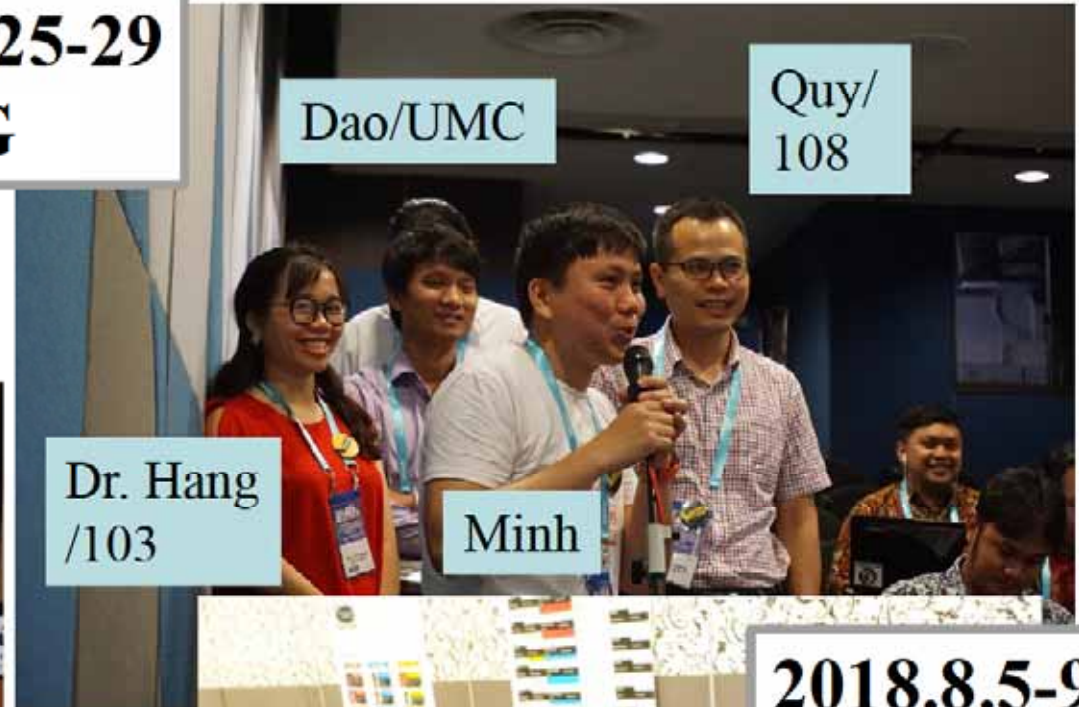




# Technology

## On-the-Job Training

2018.3.25-29  
SG



Dao/UMC

Quy/  
108

Dr. Hang  
/103

Minh



2018.8.5-9  
NZ

Phong/  
Bach Mai

Nam/  
Ninh Binh

Quy/108

Nam/VNIO



2019.2.18-23  
KR

# Train-the-Trainer Programs



# Connections in Vietnam

## Members

Institute Name	-07	-08	-09	-10	-11	-12	-13	-14	-15	-16	-17	-18	Total
National Hosp. of Pediatrics	1	-	-	-	-	-	-	-	-	-	-	-	1
Bach Mai Hosp.	1	-	-	-	1	3	-	1	4	2	1	1	14
108 Military Central Hosp.	-	-	3	2	1	1	1	-	4	1	1	2	16
Cho Ray Hosp.	-	-	3	2	3	5	7	11	11	12	13	8	75
Viet Duc Hosp.	-	-	-	2	3	7	2	3	4	2	2	1	26
NASATI Office	-	-	-	1	4	2	2	2	3	1	1	1	17
Hue Univ. of Med. and Pharm.	-	-	-	-	1	-	-	-	1	3	1	-	6
E Hosp.	-	-	-	-	-	-	1	-	2	-	1	1	5
Hue Central Hosp.	-	-	-	-	-	-	-	-	3	3	3	3	12
Univ. Medical Center HCMC	-	-	-	-	-	-	-	-	1	-	1	1	3
Vietnam National Institute of Ophthalmology	-	-	-	-	-	-	-	-	-	-	2	1	3
103 Military Hosp.	-	-	-	-	-	-	-	-	-	-	1	-	1
<b>Total</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>13</b>	<b>18</b>	<b>13</b>	<b>17</b>	<b>33</b>	<b>24</b>	<b>27</b>	<b>19</b>	<b>179</b>

# **New Participating Hospitals in 2018**

- Hanoi Medical Univ.
- Thai Nguyen Univ. of Med. and Pharm.
- Hai Phong Univ. of Med. and Pharm.
- Nam Dinh Univ. of Nursing
- Vietnam National Hosp. of Pediatrics
- Vietnam National Institute of Gerontology
- Thai Binh Univ. of Med. and Pharm.
- Ninh Binh General Hosp.

# Key for the success



1. Access

Internet

2. Needs

Doctors

3. Skills

Engineers



## 1. Is your Internet enough?

- Hospitals used to be connected to VINAREN, but no connection to hospitals
- What are the situations in rural areas?



- BV DH Y Thai Binh
- BV DK DienBien
- BV Nghe An
- BV Lao Cai
- BV Son LA
- NamDinh\_HC
- SonTay\_HC
- Phu Tho\_HC
- Thanh Hoa\_HC
- Viet Duc\_HC

## 2. What do doctors want to do?

- Regional teleconferences
  - Viet Duc, Back Mai, Hue Central, Cho Ray
  - Easy to organize
- Domestic teleconferences
  - Rehabilitation, Ophthalmology
  - Contribution of the Society?
  - Speak in Vietnamese
- International
  - Endoscopy, Ophthalmology, Surgery, etc.

# Rehabilitation Conference



UMC



Bach Mai



Hue Central

2018.8

# The 45th APAN Meeting -Ophthalmology

2018.3

**Deep Eye Study: A Multi-center Collaborative Research for Artificial Intelligence in Ophthalmology APAN 2018**

**Daniel SW Ting**  
MBBS (1<sup>st</sup> Hons) BMedSci MMed (Ophth) FAMS PhD  
Assistant Professor  
Singapore National Eye Centre  
Duke-NUS Medical School, National University of Singapore  
US-A5EAN Fulbright Scholar  
Duke University, USA

Logos: Singapore National Eye Centre, SingHealth, DUKE-NUS ACADEMIC MEDICAL CENTRE, SINGAPORE RESEARCH INSTITUTE.

Visuals: Retinal fundus images, a brain with neural circuitry, and a building exterior.

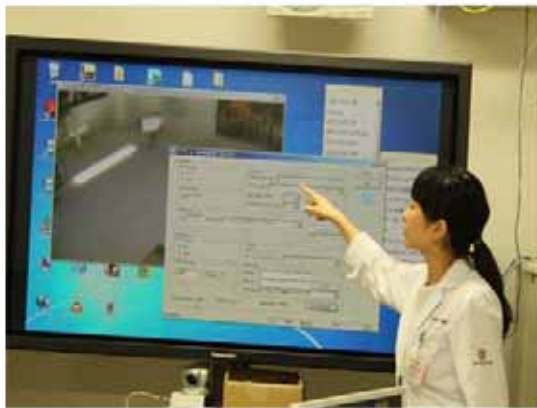


IN Ravind Eye Hospital



### 3. Good supporting engineers?

- Do hospitals have engineers to support telemedicine?
- Do they have enough knowledge and skills?





# THE THIRD VIETNAM TELEMEDICINE WORKSHOP

2019.4



Let us share our information and have active discussion to make telemedicine more useful in Vietnam.