



TELEMEDICINE IN OPHTHALMOLOGY

Presenter: Pham Nhu Vinh Tuyen, MD
Medical Training Center, Hue Central Hospital, Vietnam

INTRODUCTION



Hue Central Hospital (HCH) is located in Central Region of Vietnam.

The first Occidental medical hospital in Vietnam.

Under the supervision of the MOH.

One of the three biggest national hospitals in Vietnam.



OVERVIEW



A complete general hospital, ranked as ***“Excellent”*** hospital.

A core of Specialized Medical Center in Central Region of Vietnam.

A key practice place to train medical students, nurses and post-graduates,...

Provide medical services for over 20 million population of the Central of Vietnam.



OVERVIEW



08 Centers

3.939 Beds



100

Departments



>4.000

**Employees
(462 MD.)**

CENTERS



Pediatric Center

Cardiovascular Center

Hematology and Blood Transfusion Center

Medical Training Center

International Medical Center

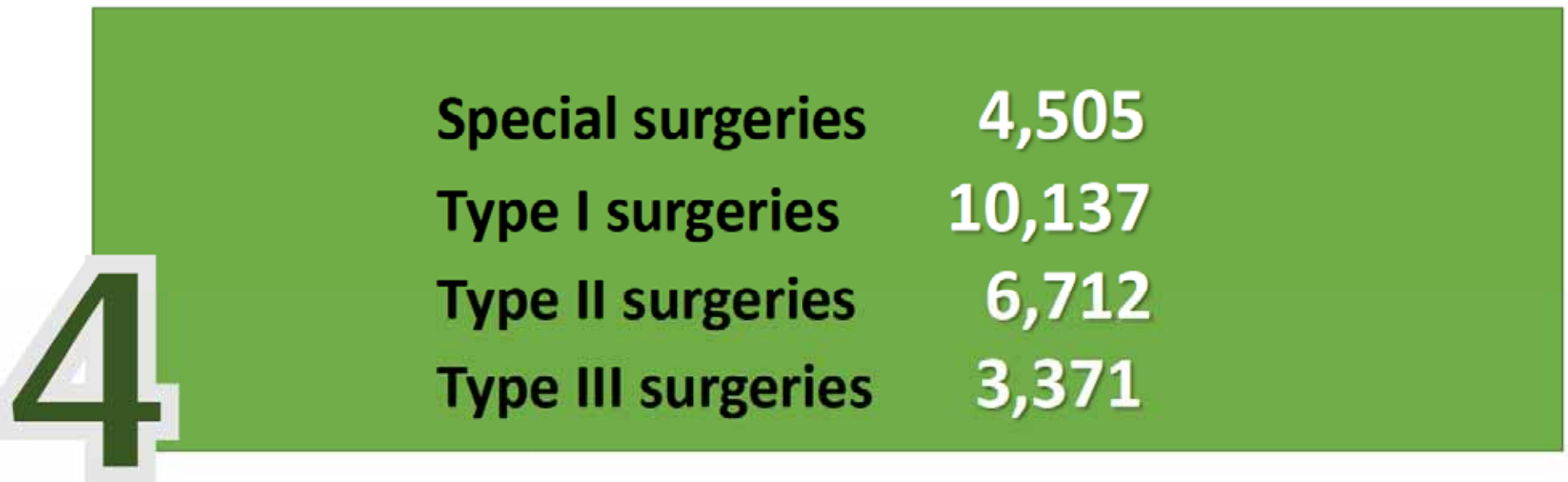
Oncology Center

Traumatology Center

Dentomaxillofacial Center



FACTS AND FIGURES (per year)



HUE CENTRAL HOSPITAL

Second Base



Medical needs for telemedicine



- Satellite program
- 7 hospitals
- 3 fields: cardiology, tramatology, oncology

17 provinces



Technical infrastructure



- Internet



- Commercial network: VNPT
- Bandwidth: 40Mbps

- Equipment



Polycom VSX 7000



Sony PCS-XG80



PCS-XG55 Sony

Teleconference



Teleconference



Meeting with Prof. Shimizu and his team in HCH



Meeting with Prof. Shimizu and his team in HCH





Telemedicine in ophthalmology in Vietnam

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Nhu Vinh Tuyen, Pham

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APAN 40



APAN 43

Uvitic Glaucoma: Pathophysiology and
management

APAN 43

Ophthalmology (Eye) session 1

ver.1.2

Session Outline				
Session Title	Ophthalmology (Eye) session 1			
Local Time at Main Venue	15:30-17:00 , Feb. 15 (Wed), 2017 - 90min, New Delhi (UTC+05:30)			
Organizer	June Mendiola, Shuji Shimizu			
Topic	Diagnosis and Treatment of Ocular Inflammatory Diseases			
Contents	Ophthalmology			
Style	Conference			
Connection Method	Vidyo System			
Server At	ASTI			
Streaming Address	http://vidyoreplay.i.gov.ph/replay/webcastShow.html?key=pTFT952dihIAOVF			
Abstract/Brief Description	The first lecture will discuss the Standardized Uveitis Nomenclature and its application in diagnosing uveitic diseases. Cases will be presented to illustrate this. The second lecture will present two cases of scleritis with uncommon associated systemic conditions. Diagnosis, management, and treatment outcomes of each patient will be discussed.			
Key Members	Name	Institution	Country	
Chair	June Mendiola	Veterans Memorial Medical Center	PH	
Co-Chair 1	Mai Van Tuan	Hue Central Hospital	VN	
Co-Chair 2	Rey Carlo Naraval	Veterans Memorial Medical Center	PH	
Chief Engineer 1	Alvin M. de Gracia	ASTI	PH	
Chief Engineer 2	Shunta Tomimatsu	Kyushu University Hospital	JP	
Chief Engineer 3	Mohamad Zahir Ahmad	University of Malaya	MY	
Chief Engineer 4	Mohammad Nabil Fadhil Bin Hairodin	Singapore General Hospital	SG	
Chief Engineer 5	Mohamed Ishaq	JIPMER	IN	
Connecting Institutions	City, Country	Moderator	Local Engineer	
1(Main)	India Habitat Centre (IHC)	New Delhi, IN	Mai Van Tuan	Shunta Tomimatsu
2	Veterans Memorial Medical Center	Quezon, PH	June Mendiola	Errone Villavert
3	Vietnam Institute of Ophthalmology (VNIO)	Hanoi, VN	Hoang Cuong	
4	Hue Central Hospital	Hue, VN	Pham Nhu Vinh Tuyen	Le ba Hung
5	Universitas Brawijaya	<i>Malang, ID</i>	Ovi Sofia	Kuswindarto
6				
7				

** *Italic* is to be confirmed.

APAN 43

Schedule

Main venue	Contents	Speaker/ Discussant	LocalTime in each station			
			PH (GMT+8)	VN (GMT+7)	ID (GMT+7)	
1.New Delhi, IN (GMT+5.5)						
14:30 - 15:30	Connection starts	Alvin de Gracia	17:00 - 18:00	16:00 - 17:00	16:00 - 17:00	
15:30 - 15:35	Opening Remarks and Greetings	Dr. June Mendiola	18:00 - 18:05	17:00 - 17:05	17:00 - 17:05	
15:35 - 15:55	Diagnosis and treatment of Ocular Inflammatory Diseases	Dr. Vicente Ocampo	18:05 - 18:25	17:05 - 17:25	17:05 - 17:25	
15:55 - 16:15	Uveitic Glaucoma: Pathophysiology and Management	Dr. Pham Nhu Vinh Tuyen	18:25 - 18:45	17:25 - 17:45	17:25 - 17:45	
16:15 - 16:35	Rare Manifestation of Ocular Tuberculosis	Dr. Ovi Sofia	18:45 - 19:05	17:45 - 18:05	17:45 - 18:05	
16:35 - 16:55			19:05 - 19:25	18:05 - 18:25	18:05 - 18:25	
16:55 - 17:00	Closing Remarks		19:25 - 19:30	18:25 - 18:30	18:25 - 18:30	

Preparations

1. Teleconference, connecting XX stations.
2. We use vidyo system, including Vidyo Room, PC. The bandwidth is about 2-4Mbps.
3. Headset or on-off speaker phone is necessary to avoid echo.
4. If there are movie clips in the file, please send it beforehand to **XXX (Please indicate)**.

* Please note that after the event, a session report, including some photos taken during the session, will be posted on the TEMDEC website.



APAN 44

Ophthalmology session

097.1.6

Session Outline			
Session Title	Ophthalmology session		
Local Time at Main Venue	9:00-10:30, Aug. 31 (Thu), 2017 - 90min, Dalian (UTC+08:00)		
Organizer	Hoang Cuong		
Topic	OCULAR INFECTION DISEASES		
Contents	Ophthalmology		
Style	Conference		
Connection Method	Video		
Server At	ASTI		
Streaming Address	-		
Brief Description	Although infectious diseases are rare day by day but still remain a big problem in eye care as well as in public health in the developing countries. Every nation has some specific diseases. Ocular infections present not only in ocular surface but also in inner layer, vitreous body...The spectrum of microorganisms is quite large: fungal, bacteria, virus. With the things above the topic should be: case study, serie of cases, presentations on: clinical characteristics, paraclinical exploration, microbiology, treatment...of ocular infection diseases.		
Key Members			
Chair	PHAM NHU VINH TUYEN	Hue Central Hospital	Vietnam
Co-Chair 1	HOANG CUONG	Vietnam National Institute of Ophthalmology	Vietnam
Co-Chair 2	NGUYEN CHIEN THANG	103 Military Hospital	Vietnam
Chief Engineer 1	Minh Tran Viet	Hue Central Hospital	Vietnam
Chief Engineer 2	Minh Cao Duc	VINAREN	Vietnam
Chief Engineer 3	-		
Chief Engineer 4	-		
Connecting Institutions			
1(Main)	Dalian International Finance Conference Center	Dalian, CN	Thai Loan
2	Vietnam National Institute of Ophthalmology, VNOI	Hanoi, Vietnam	Hoang Cuong
3	Hue Central hospital	Hue city, Vietnam	Pham Nhu Vinh Tuyen
4	103 Military hospital	Hanoi, Vietnam	NGUYEN CHIEN THANG
5	Universitas Brastjaya	Maung, ID	Ovi Sofya
6	Veterans Memorial Medical Center	Quezon, PH	Naraval, Mendiola, Alvin Samano
7	Tiganga Institute of Ophthalmology	Nepal	Govinda Poudyal
8	Chulakhet Hospital	Nepal	Pooja Shrestha
9	Ratan Academy of Health Sciences	Nepal	Sudeesh Subedi
10			

Connecting Institutions	City, Country	Moderator	Local Engineer
1(Main)	Dalian, CN		Thai Loan
2	Hanoi, Vietnam	Hoang Cuong	
3	Hue city, Vietnam	Pham Nhu Vinh Tuyen	Tran Viet Quang Minh
4	Hanoi, Vietnam	NGUYEN CHIEN THANG	
5	Maung, ID	Ovi Sofya	Kuswandarto
6	Quezon, PH	Naraval, Mendiola, Alvin Samano	Emone Villaverf
7	Nepal	Govinda Poudyal	Sudhama Karki
8	Nepal	Pooja Shrestha	Sushil Nepil
9	Nepal	Sudeesh Subedi	
10			

** Italic is to be confirmed.

Schedule			
Main venue	Contents	Speaker/ Discussant	Local Time in each sta
1.DsLian, CN			
8:00-8:00	Connection starts		
9:00-9:10	Opening Remarks and Introduction	Pham Nhu Vinh Tuyen	
	Using PCR to identify CMV, HSV in the aqueous samples from	Dr Hoang Cuong	
	Clinical perspectives in CMV retinitis	Dr Ovi Sofya	
	Evidence based medicine to approach treatment infectious	Nguyen Le Ngoc Khanh	
	ocular surface diseases in Vietnam	Nguyen Chien Thang	
	Soft tissue inflammation in Graves' disease	Pham Nhu Vinh Tuyen	
10:20-10:30	Closing Remarks		

Preparations

1. Teleconference, connecting XX stations.
 2. We use Video system.
 3. Headset or on-off speaker phone is necessary to avoid echo.
 4. If there are movie clips in the file, please send it beforehand to **XXX (Please indicate)**.
- * Please note that after the event, a session report, including some photos taken during the session, will be posted on the TEMDEC website.

APAN 44

APAN 45



APAN 45

Ophthalmology session

ver. 1.0

Session Title	Ophthalmology session
Local Time at Main Venue	13:30-15:00, Mar. 26 (Mon), 2018 - 90min, Singapore (UTC+08 00)
Organizer	Shella John
Topic	Diabetic Retinopathy
Contents	Ophthalmology
Style	Conference
Connection Method	Video
Server At	Kyushu University Hospital
Streaming Address	
Brief Description	The ophthalmology session covers the various aspects of diabetic retinopathy including the clinical features, treatment modalities, screening techniques and computer aided diagnosis.

Chair	Dr Shella John	Sankara Netralaya	India
Co-Chair 1	Daniel Ting	Singapore National Eye Center	Singapore
Co-Chair 2	Prof. Yogeesan Kanagasigam	The Australian e-Health Research Centre	Australia
Chief Engineer 1	Mr. Gan	Sankara Netralaya	India
Chief Engineer 2	Ms. Premia	Sankara Netralaya	India
Chief Engineer 3	IT team	Sankara Netralaya	India

Connecting Institutions	City, Country	Moderator	Local Engineer
1 Main	Malta, Europe	Singapore	Dr. Daniel Ting
2	Arvind Eye care system	Madurai, India	Dr Kam
3	The Australian e-Health Research Centre	Perth, Australia	Prof. Yogeesan Kanagasigam
4	Sankara Netralaya (SN)	Chennai, India	Dr Shella John, Dr Dhanashree Raha
5	Sankara Netralaya (SNK)	Kolkata, India	Mr Apur Sen
6	Veterans Memorial Medical Center	Philippines	Dr. Alvin Serrano
7	Vietnam National Institute of Ophthalmology, VNO	Vietnam	Dr. Cuong Hoang
8	Hue Central Hospital	Vietnam	Dr. Phan Nhu Vinh Tuyen
9	Dhukher Hospital, Nepal	Nepal	Dr. Sanu Krishna Shrestha, Mr. Sushil Nepth
10	Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER)	Puducherry, India	Mr Mohamed Inaq (venue Engg) / Mr Gowtham Jipmer puducherry)
11	Bejan Singh Eye Hospital	Nagercoil, India	Mr Chandru Mornan
12	Tilanga Institute of Ophthalmology	Nepal	Mr. Bhagrat Baniyam, Mr. Sudatma Karki
13	Sanjay Gandhi Postgraduate Institute of Medical Science (SGPGI)	Lucknow, IN	Mr Repu Daman / Mr Vijay Paul
14	Gree Chitra Trivnet Institute for Medical Sciences and Technology (SCTIMST)	Kerala, IN	Mr Suresh

Main venue 1. Singapore, SG	Contents	Speaker/ Discussant	Local Time in each station	
			Singapore	India
13:30	Connection starts		13:30pm - 15:00pm	11:00am - 12:30pm
13:30 -	Opening Remarks and Introduction	Dr Daniel Ting	13:30pm - 13:35pm (5mins)	11:00am - 11:05am
	Deep learning, a novel machine learning technology, for DR screening	Dr Daniel Ting	13:35 pm - 13:45pm (10 mins)	11:05am - 11:15am
	Ultra wide imaging in Diabetic Retinopathy	Dr Kim Ji	13:45pm - 14:00pm (15 mins)	11:15am - 11:30am
	Diabetic Macula edema and Newer treatment modalities	Dr Dhanashree Raha	14:00pm - 14:15pm(15 mins)	11:30am - 11:45am
	Proliferative Diabetic Retinopathy	Dr Raju Raman	14:15pm - 14:25pm (10 mins)	11:45 am - 11:55am
	Telescreening in camps for Diabetic Retinopathy	Dr Shella John	14:25pm - 14:35pm (10 mins)	11:55pm - 12:05pm
	Deployment of AI based grading system for DR into primary care clinics	Prof. Yogeesan	14:40pm - 14:55pm(15 mins)	12:10pm - 12:25pm
	Closing Remarks / Conclusion	Prof. Yogeesan Kanagasigam	14:55pm - 15:00pm (5 mins)	12:25pm - 12:30pm

APAN 46

APAN46 - Ophthalmology session 2

ver. 1.10

Session Outline				
Session Title	Ophthalmology session 2			
Local Time at Main Venue	17:00-18:00, Aug 7 (Tue), 2018 - 60min, Auckland, NZ (UTC+12:00)			
Organizer	Dr. Avin Anthony Serrano			
Topic	Treatment Algorithms in Glaucoma			
Contents	Ophthalmology			
Style	Conference			
Connection Method	Vidyo			
Server At	ASTI(vidyportal.i.gov.ph) Room: Ophtha-PH			
Streaming Address	http://vidyoreplay.i.gov.ph/replay/webcastShow.html?key=I37XV8pal55in1 PIN: 0807			
Brief Description	<p>Glaucoma is the second most common cause of vision loss worldwide behind cataracts, but, unlike cataracts, the vision loss associated with glaucoma is largely irreversible. There are several unique challenges that exist in the approach to glaucoma in the developing world. Access to care remains a major concern, particularly in rural areas, as most ophthalmologists are concentrated in urban areas. This leaves many people without access to regular eye exams or treatment, which is vital in preventing permanent vision loss in the setting of glaucoma. We will examine the state of glaucoma in the developing world, with particular attention given to epidemiology, approach to treatment, and outlook for the future.</p>			
Key Members	Name	Institution	Country	
Chair	Dr. June Mendiola	Veterans Memorial Medical Center	PH	
Co-Chair				
Chief Engineer 1	Mr. Alvin de Gracia	ASTI-DOST	PH	
Connecting Institutions	City, Country	Moderator	Local Engineer	
1(Main)	Grand Millennium Auckland	Auckland, NZ	Dr. Tomohiko Moriyama	Mark Henry Quilala
2	Veterans Memorial Medical Center	Manila, PH	Dr. Avin Serrano	Mr. Ehrone Villabert
3	Universitas Brawijaya	Malang, ID	Dr. Aulia Abdul Hamid	Mr. Kuswindarto
4	Hue Central Hospital	Vietnam	Dr. Pham Nhu Vinh Tuyen	Mr. Tran Viet Quang Minh
5	Sankara Nethralaya Hospital	Chennai, India	Dr. Sheila John	Ms. Premila
6	Patan Academy of Health Science	Nepal	Dr. Sudesh Subedi	Mr. Pramod Jnawali
7	CoachingOne Training Center	Vietnam	Dr. Huu Nguyen	

** *Italic* is to be confirmed.

APAN 46

Schedule		
Main venue	Contents	Speaker/ Discussant
1. Auckland, NZ (+12)		
16:00 - 17:00	Connection starts for Final Testing	
17:00 - 17:05	Opening Remarks and Introduction	Dr. June Mendola (Veterans Memorial Medical Center)
17:05 - 17:15	Presentation 1: Minimally Invasive Glaucoma Surgery - Where it fits in the Treatment Algorithm of Glaucoma	Dr. Mark de Leon (Veterans Memorial Medical Center)
17:15 - 17:25	Presentation 2: The role of Phacemulsification surgery in Angle Closure Glaucomas	Dr. Aulia Abdul Hamid (Universitas Brunei)
17:25 - 17:35	Presentation 3: Treatment Algorithms in Glaucoma: Medical	Dr. Don Vincent Saluk (Dept of Ophthalmology, VMCC)
17:35 - 17:45	Presentation 4: Practical approach to medical management of glaucoma	Dr. Rathini Lillian David (Sankara Netralaya, Chennai)
17:45 - 17:55	Question and Answer	
17:55 - 18:00	Closing Remarks	Dr. Tomohiko Moriyama (Kyushu U) @APAN46 venue

Preparations

1. Teleconference, connecting 6 stations.
2. We use Vidyo system
3. Headset or on-off speaker phone is necessary to avoid echo

* For more information, please refer to the TEMDEC policy (http://www.temdec.med.kyushu-u.ac.jp/eng/about_policy.html)

* Please note that after the event, a session report, including some photos taken during the session, will be posted on the TEMDEC website.

BỘ Y TẾ
BỆNH VIỆN TW HUẾ

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập – Tự do – Hạnh phúc

TP. Huế, ngày 30 tháng 7 năm 2018

THÔNG BÁO

Kính gửi:

Trong khuôn khổ hợp tác với Trung tâm phát triển y học từ xa của châu Á (Telemedicine Development Center of Asia - TEMDEC, Nhật Bản), Trung tâm Đào tạo và Chỉ đạo tuyến sẽ tổ chức Hội thảo trực tuyến về chuyên ngành mắt với sự tham gia của 06 quốc gia nằm trong chương trình Hội thảo Châu Á Thái Bình Dương lần thứ 46 (APAN 46), được tổ chức tại Auckland, New Zealand.

Thời gian: 12h00-13h00, ngày 7 tháng 8 năm 2017 (thứ Ba)

Thành phần: Các bác sĩ chuyên ngành mắt.

Chương trình:

Điều phối và hỏi đáp với chương trình - BSKIL Phạm Như Vinh Tuyên

11:00-12:00	Kết nối với nhóm kỹ thuật APAN46	Trần Việt Quang Minh, Lê Hà Giang, Lê Hồ Xuân Thịnh
12:00-13:00	Minimally Invasive Glaucoma Surgery - Where it fits in the Treatment Algorithm of Glaucoma	Dr. Mark de Leon (Veterans Memorial Medical Center)
	The role of Phacemulsification surgery in Angle Closure Glaucomas	Dr. Aulia Abdul Hamid (Universitas Brunei)
	Treatment Algorithms in Glaucoma: Medical Therapy	Dr. Don Vincent Saluk
	Practical approach to medical management of glaucoma	Dr. Rathini Lillian David (Chennai)

Địa điểm: Phòng họp, Trung tâm Đào tạo và Chỉ đạo tuyến

Trân trọng kính mời quý đại biểu tham dự

Chi tiết liên hệ: ThS. Trần Việt Quang Minh – P.TP.HC, TTĐT&CDT

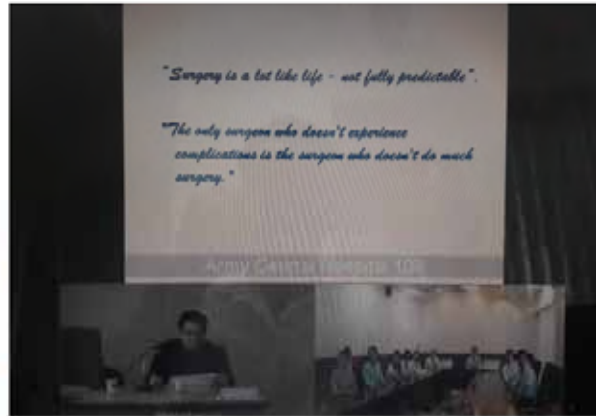
Điện thoại: 0914 979 234, Email: quangminh196977@gmail.com

Nơi nhận:

- Như kính gửi;
- Giám đốc (để báo cáo);
- Lưu TTĐT.



APAN 47



BỘ Y TẾ
BỆNH VIỆN TW HUẾ

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập - Tự do - Hạnh phúc
TP. Huế, ngày 12 tháng 02 năm 2019

THÔNG BÁO

Kính gửi:

Trong khuôn khổ hợp tác với Trung tâm Phát triển y học từ xa của châu Á (Telemedicine Development Center of Asia - TEMDEC, Nhật Bản), Trung tâm Đào tạo và Chỉ đạo tuyến sẽ tổ chức Hội thảo trực tuyến về chuyên ngành Mắt. Đây là Hội thảo đa quốc gia với sự tham gia của các 05 bệnh viện trong thương hiệu Hội thảo Châu Á Thái Bình Dương lần thứ 47 (APAN), được tổ chức tại Daegu, Hàn Quốc.

Thời gian: 13h30 - 15h00, ngày 19 tháng 02 năm 2019 (Thứ Ba)

Thành phần: Các bác sỹ chuyên khoa Mắt.

Nghị quyết: Tiếng Anh.

Địa chỉ chương trình: BSCKII. Phạm Nhu Vĩnh Tuyên, TP Đà Nẵng.

Nội dung:

12:30 - 13:30	Kết nối với phiên kỹ thuật APAN47	Trần Việt Quang Minh, Lê Bá Hùng
13:30 - 13:35	Opening Remarks and Introduction	Dr. Đinh Việt Nghĩa (108 Hospital)
15:15 - 15:55	Double eyelid surgery: Lamy hat not easy.	Dr. Nguyễn Thị Hiền (VNDO)
15:55 - 16:15	Preservation of vessels and sensory nerves in blepharoplasty.	Dr. Đinh Việt Nghĩa (108 Hospital)
16:15 - 16:25	Effect of orbital decompression by endoscopic endonasal approach in Graves' ophthalmopathy.	Dr. Phạm Thị Mỹ Hạnh (108 Hospital)
16:35 - 16:55	Frontalis muscle flap using in treatment of blepharoptosis: current status in Vietnam.	Dr. Phạm Ngọc Minh (108 Hospital)
16:55 - 17:00	Closing Remarks.	Dr. Đinh Việt Nghĩa

Địa điểm: Phòng họp, Trung tâm Đào tạo và Chỉ đạo tuyến.

Đề nghị BCN Khoa Mắt, Khoa Mắt Cơ sở 2 và các cơ sở y tế trên địa bàn tỉnh Thừa Thiên Huế gửi danh sách tham dự về Phòng Đào tạo để cập thông chỉ đạo tuyến kịp thời.

Chi tiết xin liên hệ: ThS. Trần Việt Quang Minh - FTP.HC, TĐT/ACDT, SĐT: 0914979234. Email: quangminh19097@gmail.com

Nơi nhận:
- Như kính gửi;
- Giám đốc (bộ hồ sơ gốc);
- Lưu TĐT.

ST. GIÁM ĐỐC
BỆNH VIỆN TW HUẾ
NGUYỄN VĂN ĐỨC
HỌ TÊN: *Nguyễn Văn Đức*
K. S. T. S. *Nguyễn Văn Đức*

Current problems



- Infrastructures
- Connection
- Human resources
- Language
- Doctors' willingness



FUTURE PLAN

Invite other institutions participate in ophthalmology programs.

Upgrade system.

Support from TEMDEC.

Online CME training.

Online consultation.

Participate in ophthalmology course at APAN.

Conclusion



- Telemedicine is a good tool for eye doctors to improve their knowledge, communication.
- It is time for eye doctors in 4.0 revolution.



Thank you for listenning!