



*BỆNH VIỆN HỮU NGHỊ*  
**VIỆT ĐỨC**  
*UNIVERSITY HOSPITAL*

# **TELEMEDICINE APPLICATION VIET DUC UNIVERSITY HOSPITAL**

**Hanoi, 25 April 2019**



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# Vietduc University Hospital

- History -



- Established in 1906 by the French, namely “Phu Doan” hospital
- In 1973, name of hospital changed to Viet Nam German friendship hospital after receiving Funding from the Democratic Republic of Germany (GDR).
- French architectural style
- The first specialized hospital receiving Title of Special hospital from MOH in 2015**



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# Vietduc University Hospital

## - Missions -

Medical care

Medical  
direction  
guidelines

Scientific  
research

Medicine  
prevention

Education &  
Training

Economic  
management

International  
Cooperation

Hospital  
Accreditation

Hospital  
Management



One of the largest surgery  
center in Vietnam



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## Telemedicine system

➤ Applied since 2006 in VDU, telemedicine has brought obvious effectiveness in:

- Consultation
- Medical support
- Distance training to satellite hospitals

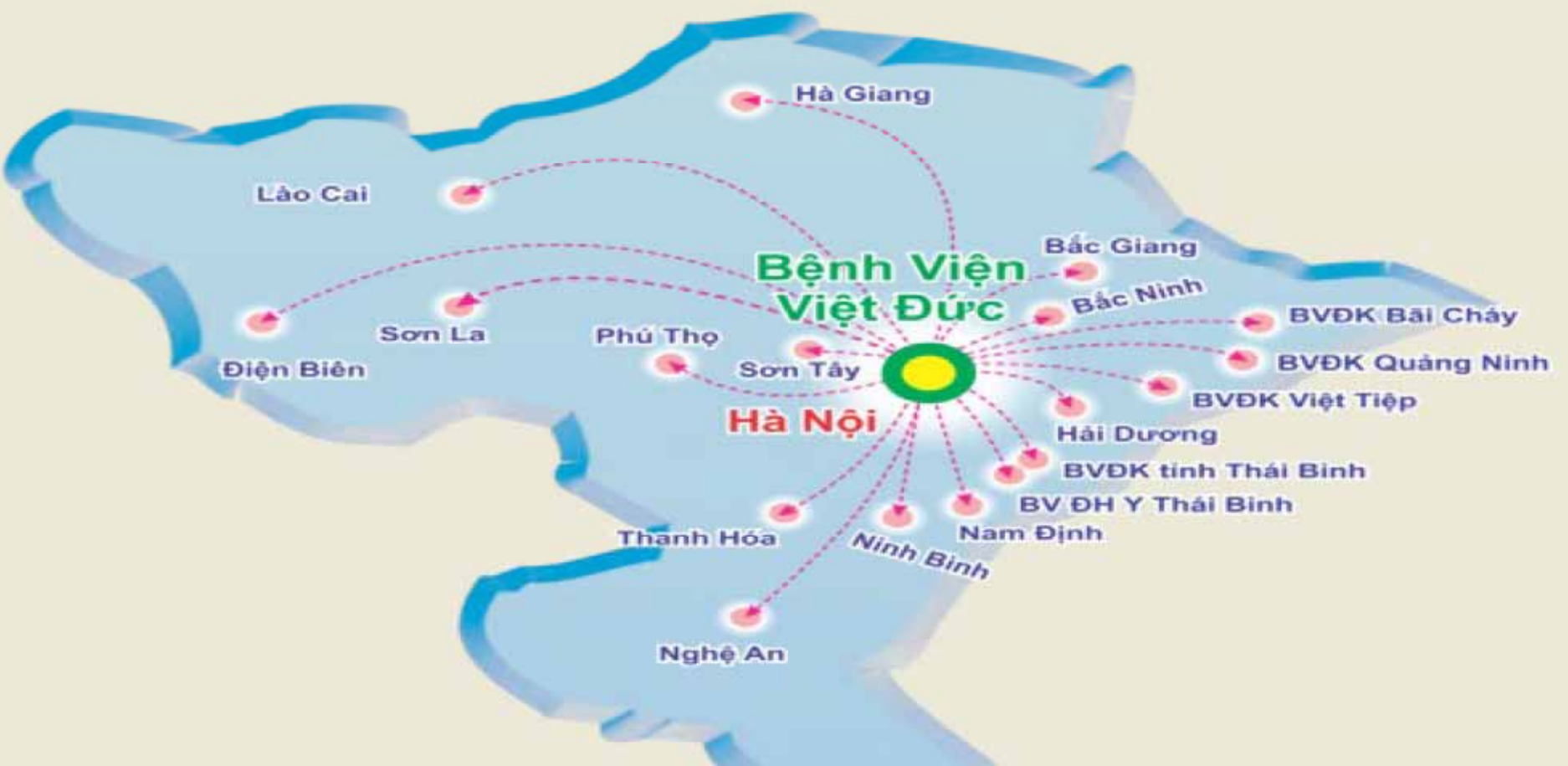




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# Telemedicine system

20 satellite hospitals connected with VDU so far





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# Telemedicine system

## Specific activities

- Videoconference adopting the surgery plan: every Friday
- Consultation videoconference: every Tuesday
- Videoconference for Nursing: every Wednesday
- Videoconference upon cases of emergency
- Workshops, conferences: In-country and to aboard (Thailand, Japan, South Korea, India, Philippines, etc.)



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# Telemedicine system

## In 2018

### ➤ Distance Consultation

- 65 routine videoconference meetings for doctors
- 10 videoconference meetings for nurses in satellite hospitals
- 21 videoconferences adopting the surgery plan and workshops



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## Telemedicine system

- Videoconference upon Emergency: 01 case in Provincial General Hospital in Dien Bien
- Live streaming surgeries in 32 conferences and workshops (Surgeons Conference, Direction of healthcare activities Conference, Workshop on laparoscopic colorectal surgery , Workshop on urology, etc.)





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# Telemedicine system

## PERFORMANCE ACHIEVEMENTS

- Create opportunities for doctors at lower level to study, update, improve professional qualifications and clinical skills
- timely handle serious and difficult cases, ensure patient safety
- Save time and costs for patients



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# Telemedicine system

## DIFFICULTIES

- Hospital information system (HIS) and Picture Archiving and Communication System (PACS) are not in place >> affecting the quality of consultation activities.
- IT infrastructure of the hospital is not in sync



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# Telemedicine system

## NODAL CENTERS TO BE CONNECTED BY 2020

18 NODES



7 NODES CONNECTED  
2013-2017



10 NODES  
2017-2020



28 SATELITE HOSPITALS CONNECTED TO VDU





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# Consultation, training, medical support







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# Workshop - Conference

## The 10<sup>th</sup> Asia Telemedicine Symposium 2016





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# Workshop - Conference

**Videoconference at the Vietnam endolaparoscopy and surgery  
Scientific conference 2017**





