



Doctors Create International Remote Medical Education via Vidyo

Challenge

The need for a scalable video collaboration solution without bandwidth or connection limitations, to support multiple endpoints and institutions.

Solution

VidyoPortal™
VidyoDesktop™
VidyoRoom™
VidyoGateway™
VidyoReplay™

Key Results

- More than 20 institutes can join in a single conference
- Participants can connect via Internet or 4G networks
- Affordable, since participants don't need proprietary devices



九州大学
KYUSHU UNIVERSITY

According to Dr. Shuji Shimizu, an MD and PhD in the Department of Endoscopic Diagnostics and Therapeutics at the Kyushu University Hospital and the Director of TEMDEC, "Using Vidyo helps us reach the largest possible daily community of doctors and students, saving them time and travel expense, and improving international education. Today, TEMDEC connects more than 40 countries and 267 hospitals, and we are growing. With reliable and solid teamwork between medical staff and engineering people, we are now expanding our activities to the rest of the world."

TEMDEC has become an important hub for the international medical community to exchange information and expertise. Using Vidyo, TEMDEC webcasted a live surgical procedure as well as a liver transplant demonstration for the benefit of doctors connecting from Korea and Japan. They also recently used Vidyo for a global endoscopy conference with doctors connecting from countries such as Germany, Malaysia, Thailand, Taiwan, Korea, Japan and China.

Japan's Kyushu University Hospital established the Telemedicine Development Center of Asia (TEMDEC) in 2008 to help the medical community improve communication and collaboration across the vast Asia Pacific region.

TEMDEC enables doctors and students to continue study and training including the sharing of new medical knowledge, treatment protocols and procedures. Vidyo was chosen by TEMDEC as its technology solutions provider for videoconferencing, webcasting, recording and replay of medical conferences and training sessions.

and they gave Vidyo very high ratings for its ease of use as well as its video and audio quality," said Dr. Shimizu. "It's a great fit for the medical community, especially in developing countries in the APAC region and South America which typically don't have the best internet connections or access to special equipment."

Dr. Shimizu looks forward to working with the World Gastroenterology Organization (WGO) which has established 15 medical training centers worldwide; all will soon be connected by Vidyo for online education efforts.

Kyushu University Hospital has found that Vidyo outperforms Digital Video Transport System (DVTS), which consumes large bandwidth (>30Mbps) and is limited to connections with only 7 sites in most cases. According to Dr. Shimizu, Vidyo not only meets strict requirements for video image quality and video streaming performance, but it accomplishes this over a simple Internet connection, and allows a larger audience of doctors to connect from either a room system, a notebook, a tablet or a smartphone. Because TEMDEC also uses Vidyo to record online conferences and training, they are considering how to utilize.

"We are very excited about our next goal," said Dr. Shimizu, "which is to extend this model to telemedicine and telehealth applications. We hope to use Vidyo for remote diagnosis when it's not possible to meet at a clinic or hospital."

"Using Vidyo helps us reach the largest possible community of doctors and students, saving them time and travel expense, and improving international education ."

Dr. Shuji Shimizu, Director, TEMDEC

"We surveyed doctors regarding their experience as online remote participants in the conference,