



The Web conferencing system with a built-in electronic health record function “DoctorCom” adopts V-CUBE Meeting as the core engine of the system.

Kagawa Medical Association adopted V-CUBE Meeting as a video conferencing system with a built-in electronic health record function “DoctorCom”. They are trying to loosen regulations governing face-to-face medical examinations while expanding the possibilities of remote medical care.

Applications

- Customization of V-CUBE Meeting as the core engine of a video conferencing system with a built-in electronic health record function.

Decisive Factors

- Users can use the system without purchasing dedicated equipment.
- They system can be used from anywhere as a cloud service.
- The system can work with the existing electronic health records and remote medical systems.

Evaluation

- V-CUBE Meeting enables evidentially-based remote medical care by allowing the doctor to remotely ask questions to the patient and share medical information on the screen
- The system can not only improve the regional medical system but can also be used as remote medical infrastructure for areas affected by natural disasters, etc.
- The system can possibly be used overseas as well, as a Web-based regional information-sharing system.

社名 社団法人 香川県医師会

URL <http://www.kagawa.med.or.jp/>

事業内容 母子保健、学校保健、救急医療、予防接種、感染症予防、各種健康診査、がん検診、介護保険、産業保健など地域医療活動

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プロフィール



“DoctorCom” The Web conferencing system with a built-in electronic health records

— Tell me about “DoctorCom”

DoctorCom is a Web base video conferencing system with a built-in electronic health record function which integrates the functionality of V-CUBE Meeting into the Kagawa Remote Medical Care Network (K-MIX). K-MIX is currently used in about 110 medical institutions, mainly in Kagawa Prefecture (but also including about 10 institutions outside the prefecture).

DoctorCom has garnered attention as an attempt to realise remote evidentially-based medical care using the Web conferencing system to ensure real-time interventions. Medical professionals can also share information on the monitor screen, such as electronic health records and the regional linkage pathways for patients with high blood pressure or diabetes.

— What was the background for the development of DoctorCom?

Kagawa Prefecture has 24 isolated inhabited islands and many depopulated mountain areas.

The medical system in these areas is far from sufficient. So, we started trying to automate medical services early on. The operational methods for regional medical care have been established in cooperation between the medical association and multiple institutions.

On the other hand, you had to send information and then contact the receiver to share information through the system between multiple medical institutions. In addition, there was a demand for an environment for remote examination for home care performed between the home and the medical institution, where the doctor can communicate with the patient in real time, examining his/her appearance and body temperature.

Against this background, DoctorCom was selected as a FY2008/2009 remote medical care model project by the Ministry of Internal Affairs and Communications and developed to upgrade the regional medical system in Kagawa Prefecture, to enhance the regional team medical system, and to improve patient satisfaction with medical services.



Information sharing Web based remote medical system for every region and medical institution

— Please give us an overview of the DoctorCom system.

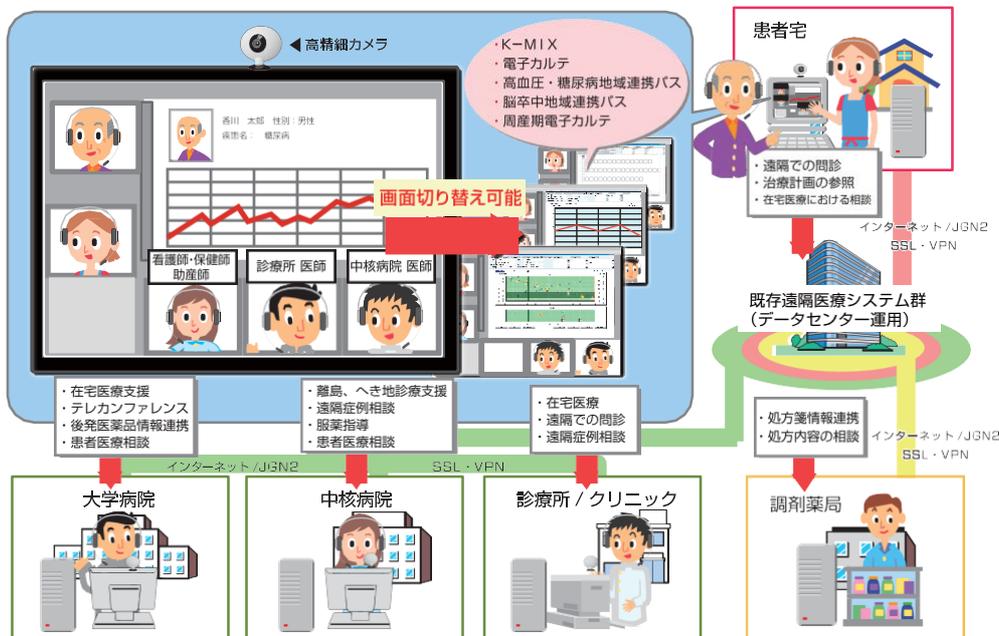
DoctorCom consists of portal site for user registration of medical staff, making appointments for meetings and schedule management as well as the V-CUBE Meeting system customized for medical use.

— What are the system characteristics of DoctorCom?

The system could not serve as a remote medical system if it was usable only in specific regions or medical institutions. Therefore, DoctorCom was developed as a Web-based system sharing regional information that can be easily implemented and used by anyone, anywhere.

The user can use DoctorCom as a cloud service. DoctorCom is inexpensive, and therefore can be easily deployed to hospitals and clinics in other regions in Japan.

Meanwhile, the user right function, which limited available functions, has been expanded, and a statistical function to output and analyze actual usage has been added to improve convenience for users. In addition, DoctorCom supports high definition through expansion of the bandwidth used for video, and has a single-sign-in procedure for the portal site and other functions.



We chose V-CUBE Meeting taking future support into consideration when choosing the system.

Why did you choose V-CUBE Meeting?

We chose V-CUBE Meeting taking future support into consideration when choosing the system. In particular, we needed a system that can work with the existing medical system, including electronic health records, and we had many other requirements. Security had to be considered during customization because V-CUBE Meeting works with a system controlling medication. Although the V-cube staff had a tough job back then, they patiently provided technical support. I believe that their efforts resulted in an excellent system.

Another reason for our selection was that V-CUBE Meeting was in use at the medical faculty in Kagawa University,

at the Japan Association of Obstetricians and Gynecologists, and at the perinatal electronic health record network in Iwate Prefecture (Tono City).

Furthermore, the following features were also reasons why we chose V-CUBE Meeting.

- System users can use V-CUBE Meeting without purchasing dedicated equipment.
- V-CUBE Meeting can be used as a cloud service from anywhere if there is an internet environment.
- V-CUBE Meeting can be used from a smartphone and tablet computer.
- V-CUBE Meeting supports IPv6, which is essential to operation on JGN-X, the ultrafast network promoted by the government, and to a whole range of medical services.

Promoting home care in the special regional activation zone to familiarize remote medical care and loosen regulations

Please tell us about the current situation and future development of DoctorCom.

The main purpose at the time of development was to improve communication between hospitals, and between hospital and patient, and to reduce costs and time. That said, DoctorCom, is increasingly coming to be relied upon as remote medical infrastructure in affected areas in the event of a large disaster. In fact, we provided remote medical care using DoctorCom to support field examinations in the areas affected by the Great East Japan Earthquake. This was made possible because a temporary wireless LAN environment was provided in evacuation centres by NPOs, etc. This let us to reconfirm the advantages of DoctorCom, in that it can be used anywhere as long as internet connection is available.

"Kagawa special total medical welfare zone: was recognized as a special regional activation zone, as requested by the Kagawa Prefecture local government from FY2011. The special total zone concept is a policy that the government has positioned as one of its new growth strategies. Kagawa Prefecture plans to take a variety of measures to improve the level of medical care across the prefecture, especially focusing on the islands, by leveraging the remote medical system.

These measures include efforts to deploy remote medical care using DoctorCom. We're also trying to loosen the regulations under Article 20 "Face-to-face medical examination, etc." in the Medical Practitioners' Act, so as to promote remote medical care for senior citizens and home-care patients.

Expectations for V-cube

What are your future expectations for V-cube?

We'd like to actively try to realize such home care that allows us to routinely examine patients with chronic diseases in the future. We believe that DoctorCom has sufficient potential to become a globally used system in the future.

V-CUBE Meeting is the core system of DoctorCom. Although it's needless to say that we look forward to functional improvements

including better image quality, we also hope that you are committed to the development and provision of services and products specially designed for medical purposes.

この事例で利用されたサービス



会議の「コスト削減」が「見える」

V-CUBE ミーティング

業界シェアNo.1の実績[※]

当然、選ばれる理由があります。

※株式会社シード・プランニング「2015 ビデオ会議/Web会議/音声会議」/「製造業品の販促市場調査」



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