Telemedicine in Japan

Submitted by: Japan Industries Association of Radiological Systems (JIRA)
Telemedicine in JAPAN

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Model Case of Telemedicine

Contact: Tone Center Hospital/Dr Takayuki Kohri

Emergency:
Consultation with video conference
（有事時は遠隔医療活用）

Usually:
Medical image storage
（平常時は電子画像管理）
**Telemedicine in Islands**

Applications

Contact: Nihon University/ViewSend ICT

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**Telemedicine in Image Diagnostics**

Applications

Contact: Tokyo National Hospital/ViewSend ICT

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Solution for the shortage of radiologists in image diagnostics

- Increases profits
- Increases patients
- Increases equipment utilization ratio

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*Contact: Tokyo National Hospital/ViewSend ICT*

**Tele-PACS**

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**Tele-PACS**
Information sharing facility of radiation victim cases etc.
Residents safe, secure support.

Operating HEMS (Helicopter Emergency Medical Service)

Telemedicine in Image Diagnostics
Applications
Support by MIC budget (総務省予算プロジェクトで実施)

Residents safe, secure support
Information sharing facility of radiation victim cases, etc.

Emergency medical care Cooperation and Support
【Urban Hospital Complex】

【Radiation victim designated hospital】
Iwanai Hospital
Remote radiogram diagnosis system

Yoichi Hospital
Remote radiogram diagnosis system

Sapporo Shuyukai Hospital
Remote radiogram diagnosis system

Ryokuseikai Hospital
Remote radiogram diagnosis system

Shinkoukai Teine urology
Remote radiogram diagnosis system

Broadband

Remote radiogram diagnosis system

Tele-PACS

Diagnostic Support Request

Patients diagnosed with videoconferencing support.
Diagnostic imaging / advice.

Remote radiogram diagnosis system

CT肺がん検診事例

Telemedicine in CT Screening for Lung Cancer
Applications
Support by MIC budget (総務省予算プロジェクトで実施)

Contact: JSCTS (Japanese Society of CT Screening)/ViewSend ICT

CT肺がん検診事例

Cancer Center Hospital
Advice of scan condition

JSCTS office
Advice of Diagnosis

Doctor’s Office

Local Hospital
Check-up Report

Medical Doctor
Radiological Technologist Office Staff

Local inhabitants
**Applications**

**Telemedicine in Cancer Image Diagnostics and Clinical Path**

Contact: Chiba Cancer Center/Dr Hideyuki Takano

**がん画像診断 & 連携パス事例**

Support by MIC budget (総務省予算プロジェクトで実施)

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TV conference system enhances collaboration among 13 regional cancer centers and networks. TV conference also provides teaching lectures.

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**Applications**

**Telemedicine Emergency Health**

**救急医療事例**

Support by MIC budget (総務省予算プロジェクトで実施)

Contact

Gifu University & NPO Gifu Emergency & Disaster Medical Research Organization

Project leader: Prof. Shinji Ogura; Consortium: Oki, Viewsend

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TV conference system enhances collaboration among 13 regional cancer centers and networks.
医療過疎・高齢化地域における
院内カンファレンス事例

Support by MIC budget（総務省予算プロジェクトで実施）

The Operative Volume

The goal is a CT image analysis by the radiologist.

Renewal

2010/3/26

The Operative Volume

The Operative Volume

Support by MIC budget（総務省予算プロジェクトで実施）

Development sponsored by METI（経産省助成金で開発）

Contact: Prefectural Mogami Hospital / ViewSend ICT

Contact: Yonezawa City Hospital / ViewSend ICT

Applications

Telemedicine in Floor Conference

Applications

Telemedicine in e-Learning

YONEZAWA CITY HOSPITAL

Medical education

ICT Learner

Medical ICT Learner

5 Hospitals and 14 Home doctors

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— Telemedicine between Japan and China —

No language barrier in remote medicine

● Japanese patients in Japan can get remote Chinese herbal treatments from doctors in Beijing

● Chinese patients in Japan can get a remote Chinese diagnosis from doctors in Beijing

● Japanese patients in Beijing can get a remote Japanese diagnosis from doctors in Tokyo or ASADA HP (Kagawa)

How about Health Tourism?

Applications

Telemedicine between JAPAN and ASEAN (Plan)

Shaking hands through Life Science Innovation Forum (LSIF)!

21st Century Hospital (BEIJING)

Japan and China Medical Exchange Center

ASEAN

ICT

Medical

Disaster

Education

Tele-PACS
Demonstration

National Cancer Center (TOKYO)

21st Century Hospital (BEIJING)

SENDAI

③ Thank You!

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