

Healthy society with physical therapy for Asian Smart Cities

- Application of physical therapist's professional skills with IoT/ICT –

Shinichi Daikuya, PT, Ph.D.

Vice President, Japanese Physical Therapy Association



公益社団法人

日本理学療法士協会

Japanese Physical Therapy Association

Japanese Physical Therapy Association (JPTA)

Japanese Physical Therapy Association(JPTA) established in 1966. Nationally and internationally, health and health care have become more diverse, so JPTA implements various **activities** for the people and meet the needs of society.

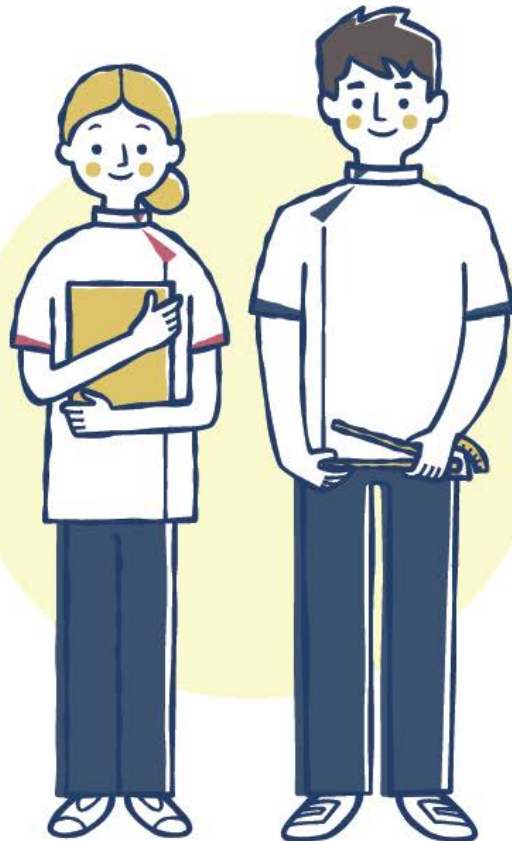
*JPTA is Public Interest Corporation, authorized by Cabinet Office in Japan.

Physical Therapists

Evaluate and analyze physical functions and pain.

Create an appropriate physical therapy program.

Give guidance about improving the basic action capability.



Give guidance on correct actions for the purpose of preventing recurrence and worsening of illness.

Conduct physical therapy to ease pain and improve physical function.

Provide support for independent living and improved quality of life.

Example of an activity for Contributing global health

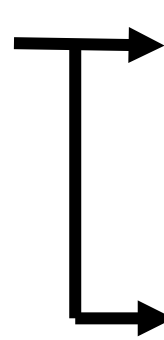


- **Asian Physical Therapy Forum** held in 2017, 2019 and 2021. From 18 countries and territories, **representatives of physical therapy** associations and **Government Officials** who in charge of rehabilitation / physical therapy participated.

Physical therapy, Direct and Indirect

- ~ *Individuals and populations to develop, maintain and restore maximum movement and functional ability throughout the lifespan ~, ~ In circumstances where movement and function are threatened by ageing, injury, pain, diseases, disorders, conditions or environmental factors and with the understanding that functional movement ~ (WCPT: <https://www.wcpt.org/policy/ps-descriptionPT>)*

Physical therapy



Direct physical therapy

Treatment, Exercise, Electro-therapy, and so on.
Hospital, other facilities and so on.

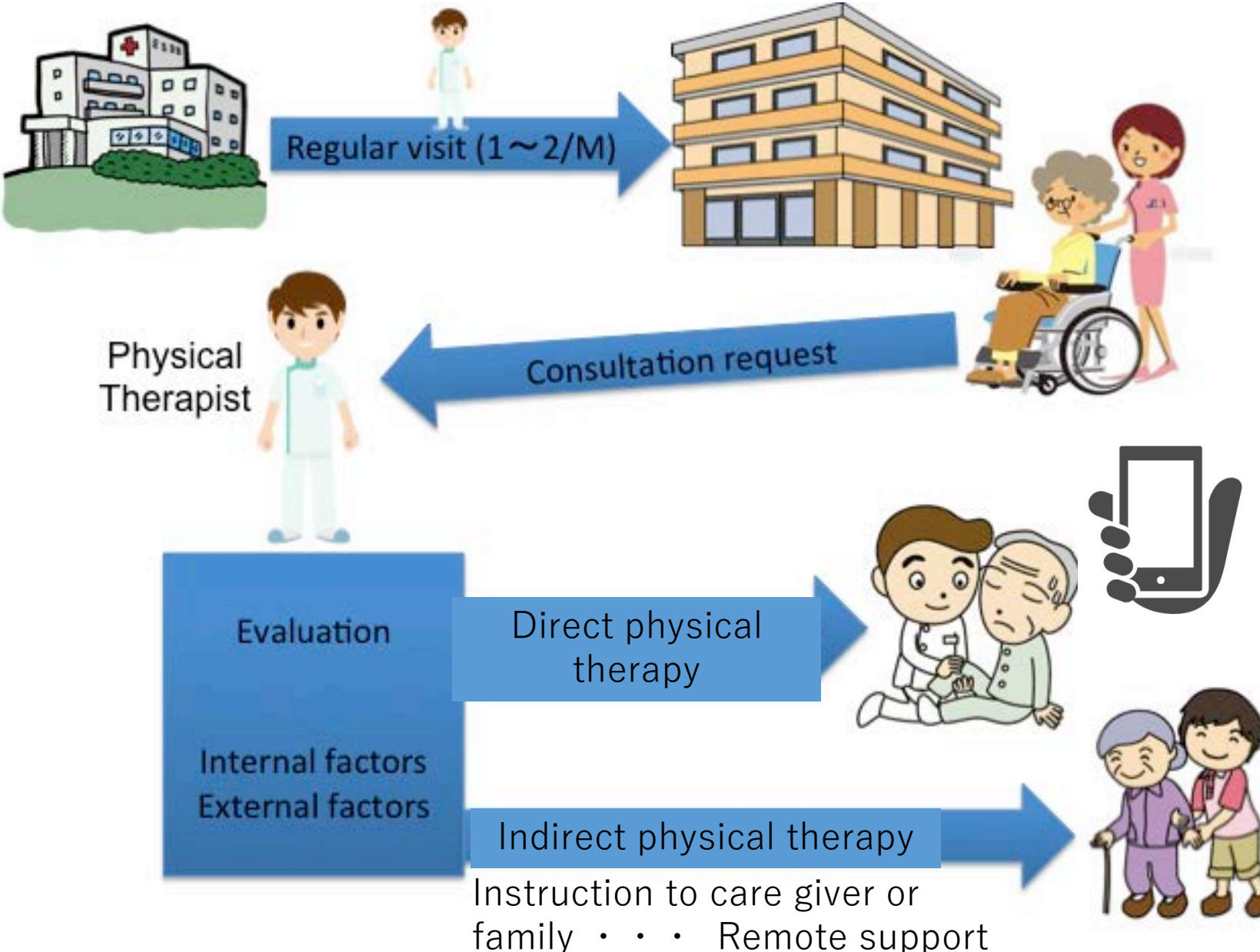
Indirect physical therapy

Instruction, **Advice**, **Education** for **Functional Improvement**, **Prevention**, **Health promotion**, **Public health**.

To Clients, Care-giver, Community, Student, and so on.

By Videos, **Remote-support**, and another **Remote tool**.

Example of physical therapist's support within healthcare



In Cambodian orphanage (direct physical therapy)



Indirect physical therapy, education, exchanging

Teaching exercise to groups



Exchanging, academic meeting,
And language system



Monitoring and remote support



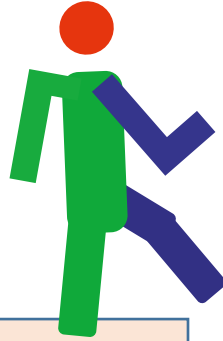
Distance learning at university, both pre-recorded movie and interactive class



This program is funded by "Projects for global growth of medical technologies, systems and services through human resource development in 2021" conducted by the National Center for Global Health and Medicine under the Ministry of Health, Labour and Welfare, Japan.

Extending possibility of use of IoT/ ICT with Physical Therapy

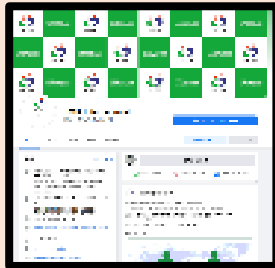
Japanese
Physical Therapy
Association



Online exchange program with
Professions in Asia (Language,
Scientific experience etc)



Language
exchange



Exchanging information by SNS

Extending possibility of use of IoT/ ICT with Physical Therapy

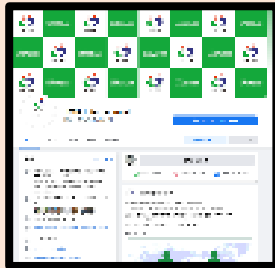
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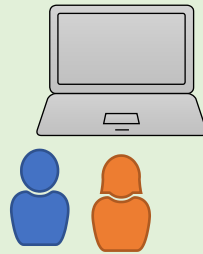
Signin | JOPTEP

Language exchange



Exchanging information by SNS

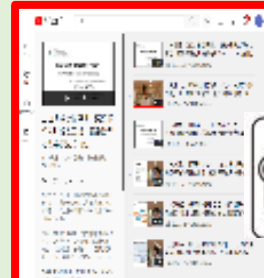
Contactless Human Resource Development for Healthcare Profession (Academic conference, Online Training, etc)



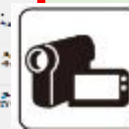
On-line meeting system



E-learning system



Youtube



Extending possibility of use of IoT/ ICT with Physical Therapy

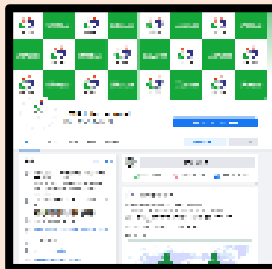


Japanese Physical Therapy Association

Online exchange program with Professions in Asia (Language, Scientific experience etc)



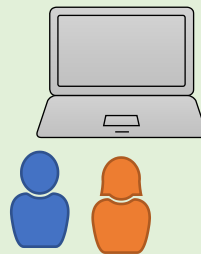
Language exchange



Exchanging information by SNS



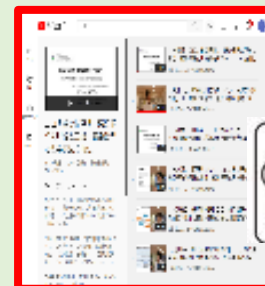
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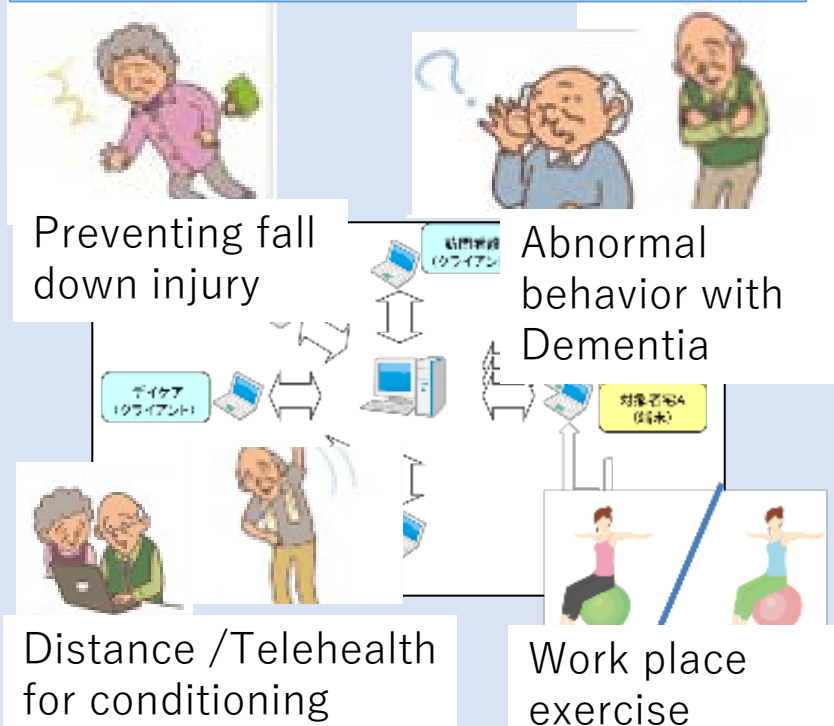


E-learning system



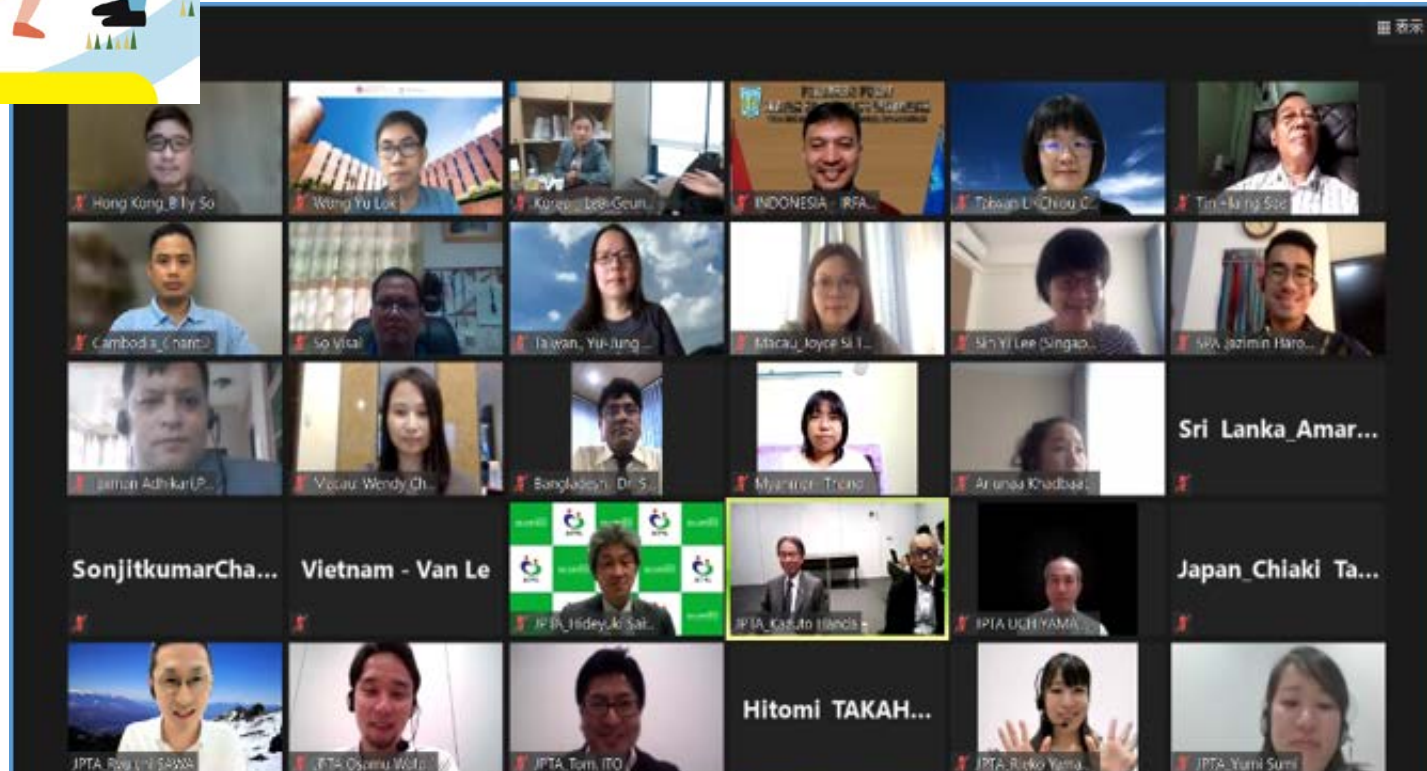
Youtube

Technology for enhance public health in the context of Smart City / Super City



- Wearable Device, Monitoring sensor
- Personal health record • Robotics
- Preventive activity • Fitness
- Health Instruction and consultation,

With Physio, for Healthy Society



**Smart City + physical therapy Skills
= Healthy Society**