



Interoperability

— Importance and issues we need to overcome —

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COI Disclosure
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Interoperability is a spectrum



Unidirectional
Patient transfer
Provide medication/equipment



Working side by side



Reciprocal
Interchangeable



- Accepting patient and provide treatment would be easier than conduct medical procedure with medical staff with multi-countries.
- The level of interoperability that we need depends on the situation.

Why the interoperability so important

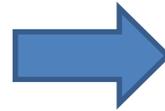
1. Better chance of survival

- If we could transfer to the higher treatment facility of other countries, the chance of patient survival will be increased.

RIMPAC 2016



JS Hyuga



USS America

2. Exponential effect

- Medicine nowadays is provided with team
A doctor and corpsman could not conduct major surgery on ship.



If we could provide medical human resources together and create team, we may provide surgery at sea and save the lives of the patients.

Thus, We think the interoperability in the medical field is important.

But...to promote the interoperability we need to know the capabilities and factors that prohibit.

SMEEs (RIMPAC/ IPD19) and medical symposium

RIMPAC 2016



RIMPAC 2018



JMSDF hosted SMEEs in RIMPAC and in Indo-Pacific Deployment (IPD), and promoted the discussion.

- Diving medicine (2016)
- Mental Health (2018)
- Dental/ Ship board medical care in IPD at Singapore with USN/ RAN/ RSN/ JMSDF (2019)

IPD 2019



Photos from Umino Anzen / RIMPAC 2018/ SAREX 2022



Umino Anzen (TTX)



Umino Anzen (transportation to USNH)



Corpsman (ADF)

Corpsman (USN)

Anesthesiologist (ADF)

Medical treatment provided by a team from AUS, US, and JPN



Medical treatment provided by a team from AUS, CAN, US, and JPN

Pacific Partnership



- Japan has participated Pacific Partnership since 2007.
- In 2016, Japan organized the medical activities in Palau with Aus, UK, and US.
 - Subject Matter Expert Exchange
 - Community Health Engagement



Pacific Partnership 2012



CAPT Ogawa

Army - Navy

Rich
(Richardson?)



LST Oosumi

USNS Mercy

Retractor



Issues that we need to overcome

1. Language

- Medicine itself is a universal language.
- However, there still exists the barrier, such as medical equipment and drugs might be written in another language you may not understand.



2. Education and Standardization

- The way we provide medicine would be different from one to another country. It would be important to unify the standard like TCCC.

3. Credentialing

- Credentialing is nested in each country's health system. Having not valid licensure in another country become an issue when we operate together.
- Great East Japan Earthquake in 2011 (set an exemption)

For the better future

