

# Remarks on Radiation Protection Aspects of PET/CT in Asia and TG117

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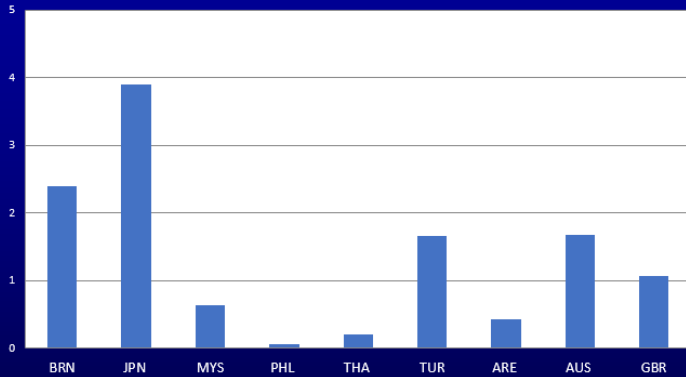


INTERNATIONAL COMMISSION ON  
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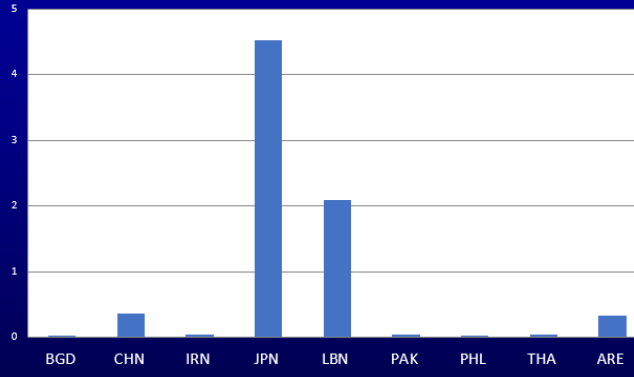


**ASIASAFE**

**PET/CT devices numbers  
(per million population)**



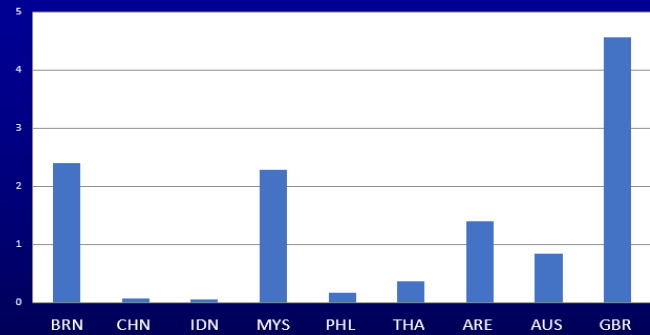
**PET procedures frequency  
(per million population)**



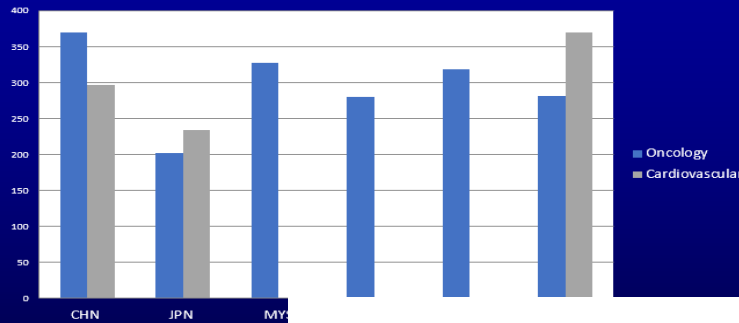
**UNSCEAR  
2021**

**Great  
diversity &  
disparity**

**NM medical physicist numbers  
(per million population)**

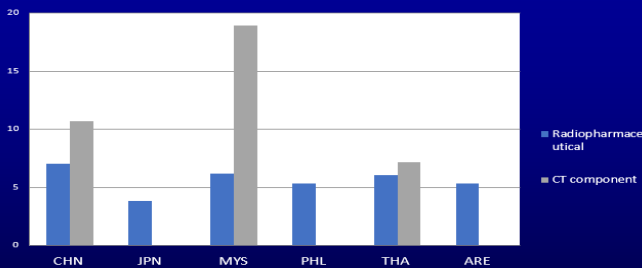


**PET administered activities  
<sup>18</sup>F (MBq)**

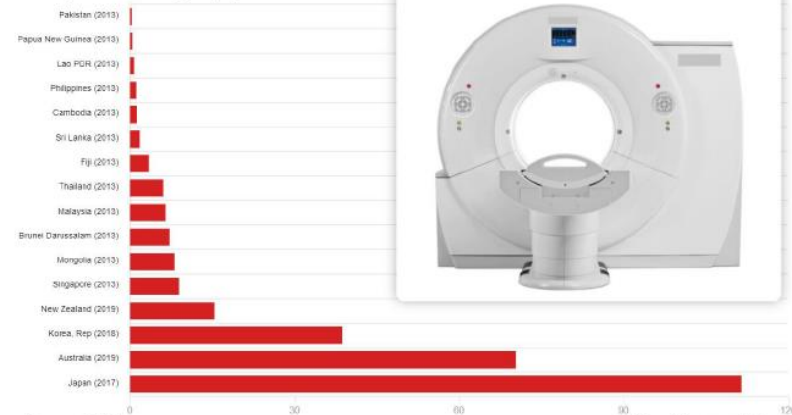


**Health  
disparities**

**PET/CT Effective Dose - Oncology  
<sup>18</sup>F (mSv)**



**Computed Tomography Scanners**



# ASIASAFE

AsiaSafe is an initiative by the AOSR to establish radiation safety culture and ensuring the appropriate use of radiation in medicine.

<https://www.asiasafe.org>

MEDICAL PHYSICS INTERNATIONAL Journal

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Radiation protection of workers and patients in image-guided interventional procedures – The Lebanese experience



**Prof. Chadia Rizk**

Lebanese Atomic Energy Commission  
National Council for Scientific Research  
Beirut, Lebanon

Radiation Safety in IR: Radiologist's Perspective



**Prof. Bien Soo Tan**

Senior Consultant  
Dept of Vascular and Interventional Radiology,  
Singapore General Hospital  
Clinical Professor at the Duke-NUS Medical School

**ASIASAFE, AOSR - IAEA Webinar**  
**Radiation Safety in Interventional Radiology (IR)**



**21<sup>ST</sup> OCT 2022**  
04:30 PM IST,  
07:00 PM SGT &  
01:00 PM CEST

**WHY ATTEND?**

Learn how you can protect yourself and your patient

- IR procedures are rapidly growing not just in radiology but also in other fields of practice.
- Scope and complexity of IR therapeutic and diagnostic applications have increased.
- Radiation exposure is now more significant with direct and indirect impact for all involved.

**WELCOME**



**Dr. Evelyn Ho**

President AOSR

**WELCOME**



**Dr. Ola Holmberg**

Head of the Radiation Protection of Patients Unit, IAEA, Vienna, Austria

**MODERATOR**



**Prof. Kwan Hoong Ng**

Chair, ASIASAFE Emerita Professor, Universiti Malaysia

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<https://aosr.vidocto.com/>

15<sup>th</sup> December, 2021  
16:30 PM Malaysia, UTC +8  
14:00 PM IST

**Inaugural Asia Safe Webinar**

**Topic:**

▶ **What lessons have we learned from MR accidents?**

**Inauguration**



**Dr. Evelyn Ho**  
President, AOSR

**Chairpersons**



**Prof. Kwan Hoong Ng**  
Chair, Asiasafe



**Dr. Rijo Mathew**  
Lead, MR Safety, QSS, AOSR

**Speakers**



**Dr. Ma Theresa Buenaflo**  
Philippines



**Dr. Anirudh Kohli**  
Editor in Chief, URI, India

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## Prelim comments on TG117 from AsiaSafe and AOSR

“I'm loving the heading in the table of contents, feels like all PET centres must have a hardcopy for quick access.”

“I never know there is so much to learn to ensure safety in PET/CT; I also learn some physics and applications”

“Some images are blur, could they be replaced?”

### Summary

1. Very limited data on radiation protection in PET/CT.
2. Very diverse and heterogenous in facilities, service, dose management
3. Greater awareness, education, training are much needed.