

# Japan Radiological Society: Japan Safe

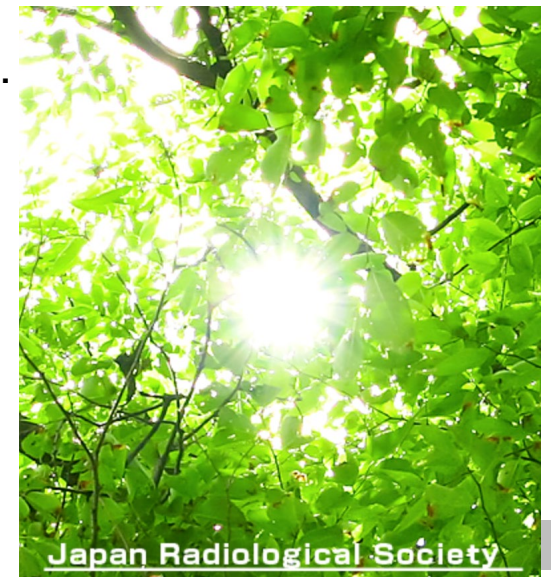


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27 Nov 2023

## Goals: Radiation Protection in Medicine (Japan Safe)

1. Straightforward goal: Teaching materials for society members  
JRS has been providing video teaching materials on "Training for the safe use of medical radiation" as an e-learning platform. We made the revised version 2023 (7 types in total), which is a revision of the version 2021. The videos can be used for training sessions at hospitals where JRS members work.
2. Doable but with effort goal: Establishing Justification  
Justification of radiological examinations by clinical imaging and management GLs.
3. Aspirational goal: Revision of Japan DRLs 2020  
Preparation for DRLs 2025 in collaboration with Japan Network for Research and Information on Medical Exposure (J-RIME, consortium of 18+ radiology-related and clinical societies)  
Organization of 7 project teams for modalities  
(CT, Radiography, Mammography, IR, Diagnostic Fluoroscopy, Dental, NM)



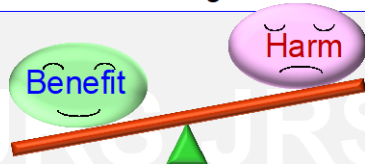


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Establishing “Justification” by means of Guidelines by JRS and clinical societies.

## Justification in Radiological Examinations

Only perform radiological examinations if the benefits outweigh the harms



Health benefits resulting from test results affecting clinical practice

- Disease is diagnosed and treatment policy is determined
- Knowing the effect of treatment and choosing the best treatment method

Possibility of Harmful Health Effects from Radiation Exposure

- Mainly increased cancer risk
- The higher the dose, the greater the disadvantage.

Consider the disadvantages  
Careful consideration of test indications

## Diagnostic Imaging GLs by JRS:

Example

“Is PET recommended for N and M staging of lung cancer?”



## Acute pancreatitis GLs by related societies:

Example

“Is CT useful for the diagnosis of acute pancreatitis?”

