

Medical Safety Information

Pharmaceuticals and Medical Devices Agency

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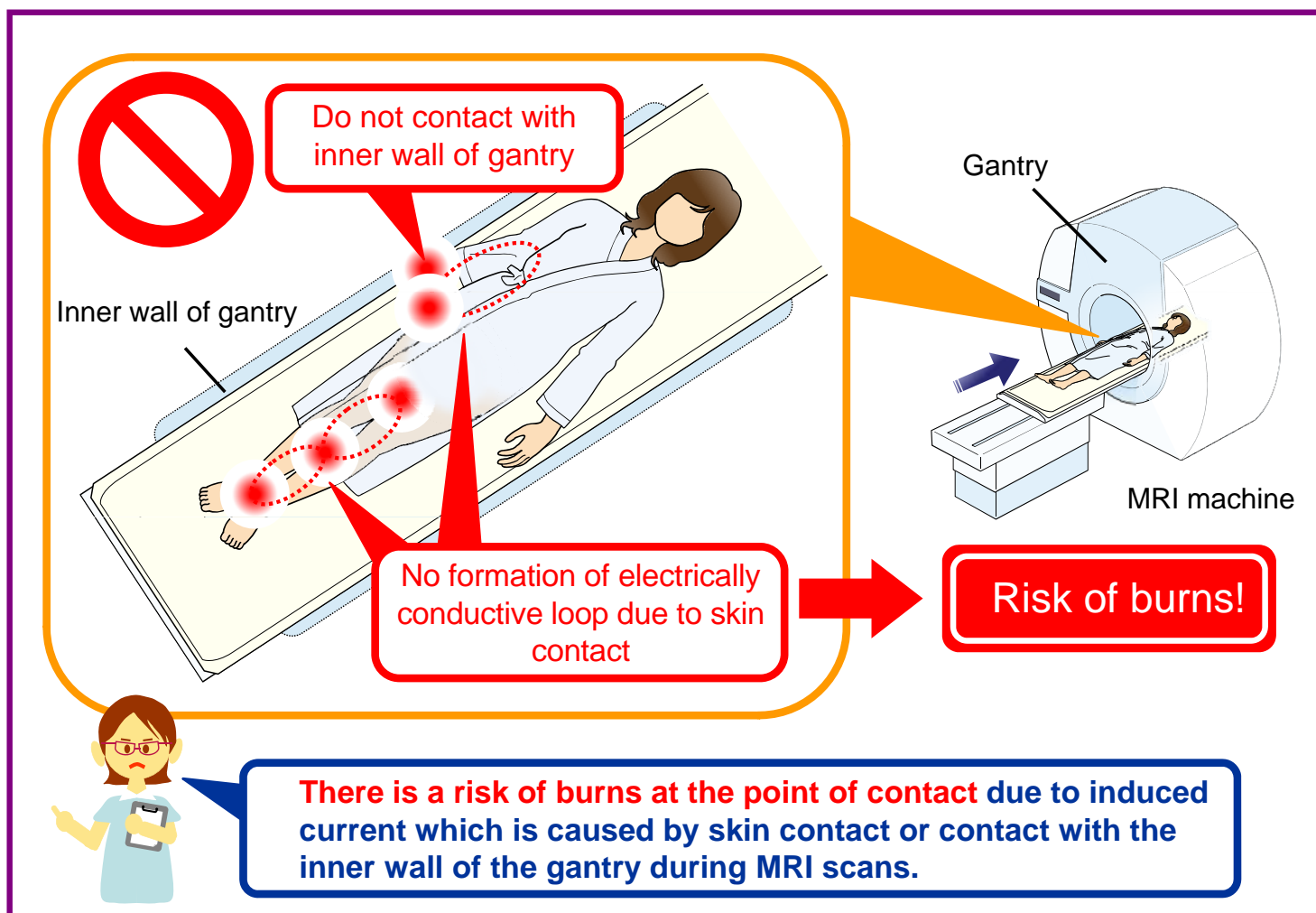
Precautions for Magnetic Resonance Imaging (MRI) Scans (Part 1)

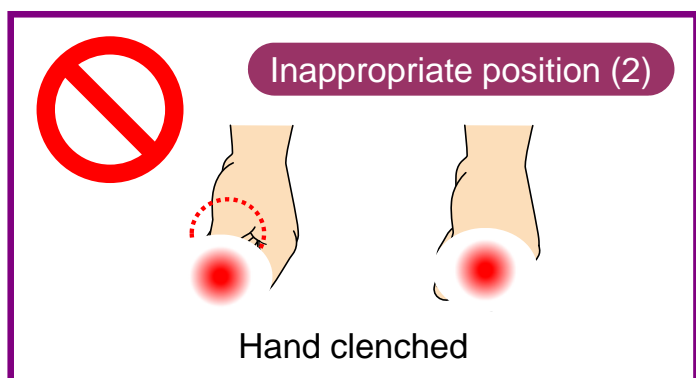
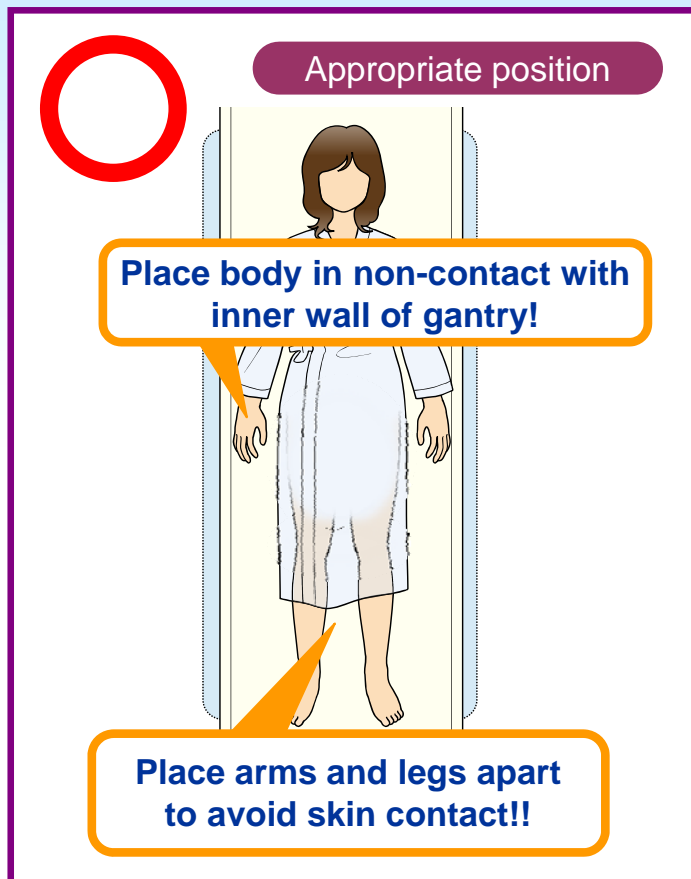
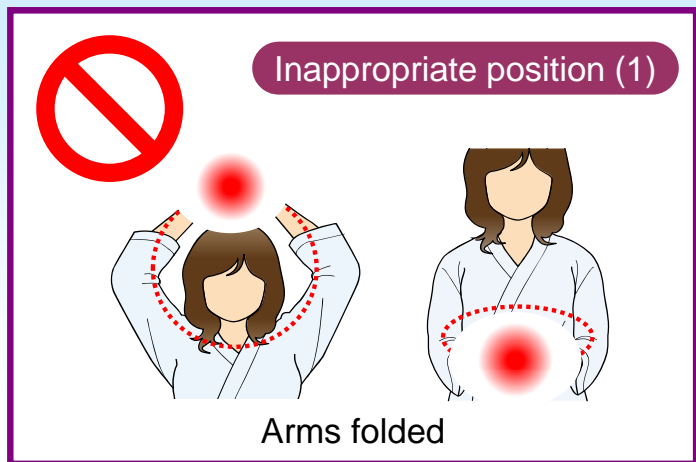
POINT Key points for safe use

(Case) A patient received a burn (Degree I-II) on the inside of the thigh after having an MRI scan. Contact of the insides of the thighs during the MRI scan may contribute to form an electrically conductive loop.

1 Precautions for burns (Part 1)

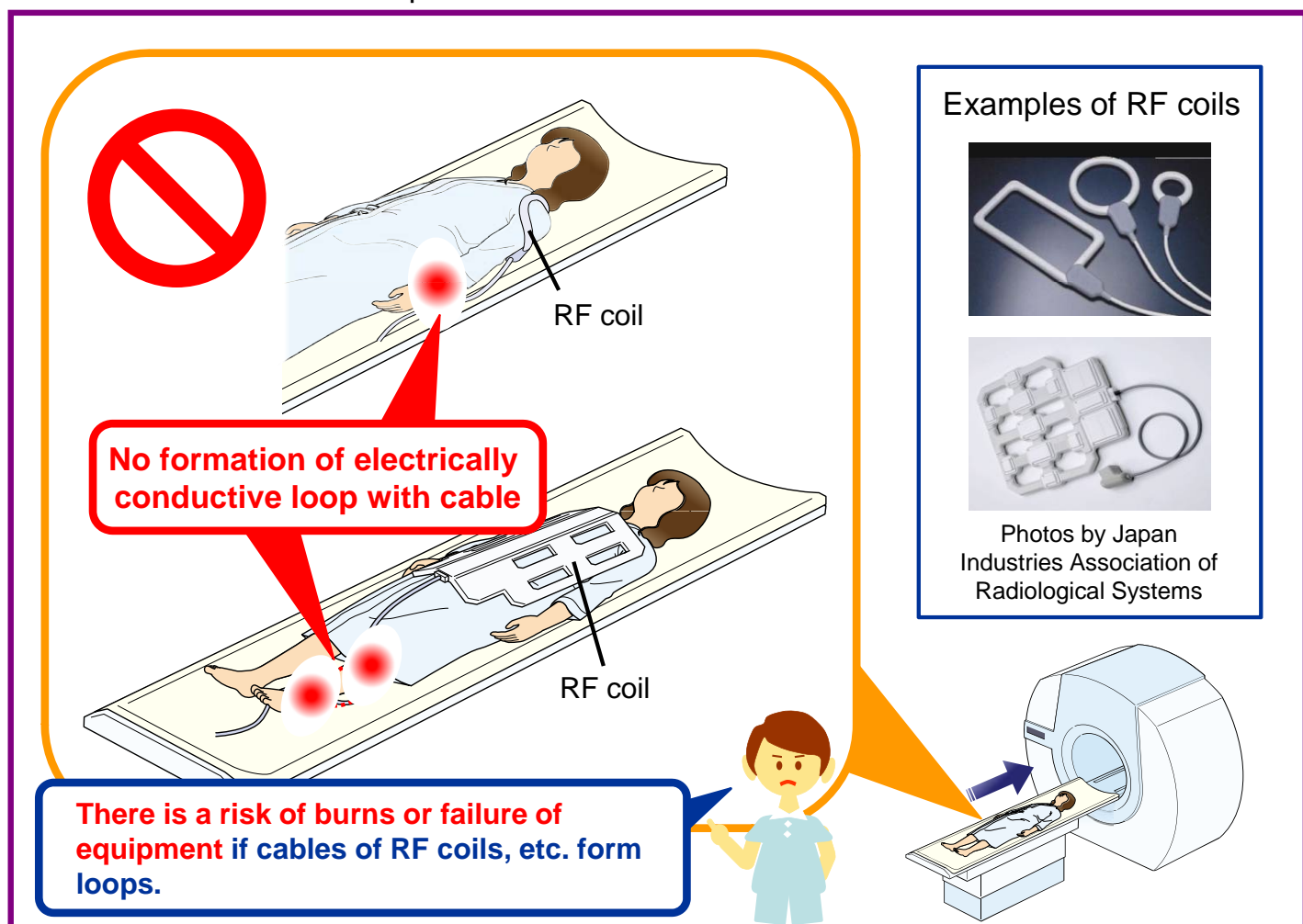
- Make sure that there is no skin contact in patients' arms and legs at positioning.
- Provide patients with clear instructions not to move (change their body position) while being scanned in the MRI machine.





2 Precautions for burns (Part 2)

- Do not put cables/cords of radio frequency (RF) coils and electrocardiogram monitors, etc. in contact with the patients' skin.



Appropriate position

Skin should not contact with cables. Loops should not be formed with cables.

Place non-conductive pads or dry towels, etc. at sites with a risk of contact.

Non-conductive pad

Fixed band

Place cables so that they pass outside of non-conductive pads.

Please use fixed bands for patients who have difficulty in maintaining appropriate position. Please contact marketing authorization holders of MRI machines about use of non-conductive pads or fixed bands.

About this information

- * PMDA Medical Safety Information is issued by the Pharmaceuticals and Medical Devices Agency for the purpose of providing healthcare providers with clearer information from the perspective of promoting the safe use of pharmaceuticals and medical devices. The information presented here has been compiled, with the assistance of expert advice, from cases collected as Medical Accident Information Reports by the Japan Council for Quality Health Care, and collected as Adverse Drug Reaction and Malfunction Reports in accordance with the Pharmaceutical Affairs Law.
- * We have tried to ensure the accuracy of this information at the time of its compilation but do not guarantee its accuracy in the future.
- * This information is not intended to impose constraints on the discretion of healthcare professionals or to impose obligations and responsibility on them, but is provided as a support to promote the safe use of pharmaceuticals and medical devices by healthcare professionals.