



Kyoto Radiology Protocol

Sustainable Healthcare Starting from Radiology

We have compiled 7 practical and easy-to-implement tips for environmental sustainability in radiology practice. Please use them flexibly according to your facility's situation.

We hope this initiative, starting from Kyoto, will be the first step toward sustainable healthcare.

1. Perform Only Necessary Imaging Studies

Always be mindful of the clinical appropriateness of imaging examinations. By minimizing unnecessary and duplicate scans, we can reduce the burden on both patients and the environment.

2. Optimize Imaging Protocols

Regularly review examination protocols to achieve accurate diagnoses in the shortest possible time. Implementing Artificial Intelligence (AI) for image processing is also effective. Optimizing data volume by appropriately adjusting the number of slices and reconstruction parameters can reduce scanner operating time and power consumption.

3. Give Equipment a Rest

Consider utilizing power-saving modes or turning off equipment during non-operational hours, such as nights and weekends. In addition to large medical devices like CT and MRI scanners, this also applies to diagnostic monitors, operator workstations, room lighting, and air conditioning. Utilizing auto-sleep functions can effectively reduce power consumption.

4. Use Resources Wisely

Minimize waste by using only the necessary amounts of contrast media, radiopharmaceuticals, and consumables. There is also room to review the selection and management of materials, such as switching from pre-filled syringes to larger multi-dose vials where appropriate.

5. Properly Segregate Waste

Appropriately classify and dispose of waste, and promote recycling whenever possible. Infectious waste, in particular, places a significant burden on the environment; therefore, it is crucial to improve segregation accuracy and minimize its generation.

6. Learn Continuously and Take Action

All professionals involved in radiology are encouraged to receive education on sustainability. By accumulating small insights and practical efforts in our daily routines, we can translate learning into everyday practice.

7. Expand Efforts Hospital-Wide

Let's share the radiology department's initiatives with other clinical departments and the entire hospital. It is important to raise environmental awareness across the healthcare institution through cross-departmental dialogue and information exchange.

Green Radiology, starting today, starting from Kyoto