Radiation Shield System Designed To: Prevent Cross Contamination from Patient-to-patient Use and is Consistently Available 24/7

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Technology description

Safer, Cleaner, Readily-available Radiation Shield

Invention novelty:
This technology is a retractable radiation protection shield that is easily cleaned and sanitized to prevent cross-contamintation from patient to patient.
Technical details
Johns Hopkins researchers have developed a radiation shield that solves the main problems of current shields. It includes a retractable tether that is attached to the x-ray table, ensuring that the shield is always on hand and ready for use. Additionally, the shield is to be used with single-use disposable covers that are removed and replaced after each use. This prevents transferring germs and disease that can be present on the shield from patient to patient. Overall, the improvements in this technology result in increase patient safety and optimized workflow for technicians.

Advantages

Radiation shields currently used in procedures are not sanitized between uses, increasing the potential of transmitting germs and diseases from patient to patient. Additionally, radiations shields are often misplaced and not readily available for use when needed. This technology solves these problems by utilizing a single-use disposable cover to prevent contamination, and a retractable tether to anchor the shield to the x-ray table.
· Significantly increased safety for the patient
· Immediately available for use, enhacing workflow

Institution

Johns Hopkins University

Inventors

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