

Kalare™

Comprehensive Dose Management



Achieving ALARA with Kalare

Limiting radiation is critical when creating a safe operating environment for you and your patients. Managing dose comes down to a few fundamentals: time, distance and shielding. Toshiba's commitment to radiation safety results in continuous enhancements of features to help you achieve your goal of: As Low As Reasonably Achievable (ALARA).



Time

Toshiba can help you eliminate fluoroscopy time with grid pulse fluoro, virtual collimation, and Last Image Hold (LIH) store. Utilizing these tools will help you significantly reduce radiation to the patient and staff.

Distance

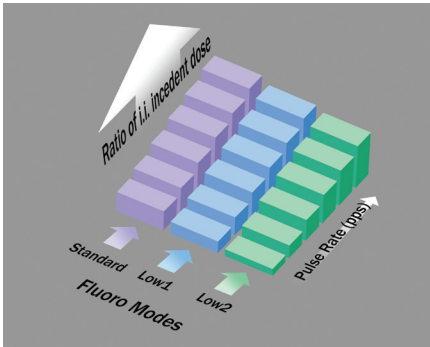
During a fluoroscopy exam, it is difficult to increase your distance from scatter radiation when you have to control the spot film device and position the patient. Toshiba has developed many features designed to reduce exposure to scatter radiation.

Shielding

Additional lead shielding from scatter radiation is provided by the lead curtain of the spot film device, the pantograph arm for the bucky slot opening, and our fully enclosed tub.

Technology

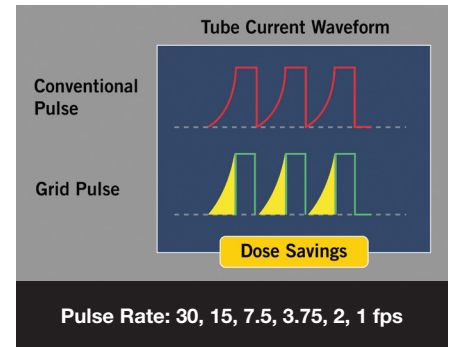
The Kalare system provides a wide range of easy-to-implement dose management tools that can be conveniently accessed at point-of-care.



3-dose mode control allows a choice of 3 customized dose modes and 6 fluoroscopic pulse rates of up to 30 f/s to optimize the fluoroscope image while realizing the most effective dose reduction.



Virtual collimation provides a means of positioning collimators without the use of fluoroscopy which prevents over-ranging of the X-ray beam and reduces patient exposure to unnecessary radiation.



Grid pulse fluoro features in-tube grid switching that virtually eliminates leading and trailing edge dose for more efficient pulse fluoroscopy.

Conclusion

The Kalare RF system provides high quality imaging, unprecedented shield features, and exceptional dose control to provide optimal operating conditions for both the staff and patient. The Kalare places tools in the clinicians hands that, when combined with the proper imaging techniques, provide the optimum blend of image quality and dose management.



A fully enclosed tub virtually eliminates backscatter radiation to the staff when the table is in the upright position during examinations.



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