

Key radiation terms to know

DOSE

The quantity of radiation absorbed, per unit of mass, by the body or by any portion of the body

DOSIMETRY

Act of measuring doses of radiation

FRAME RATE

Frequency of x-ray image collection during fluoroscopy or cine

- Standard fluoroscopy frame rate is 15 frames per second (FPS)
- Standard cine frame rate is 30 FPS

GRAY (GY)

Measure of the dose of radiation in terms of the energy absorbed per unit of matter, replaces the older unit designation of RAD

- 1 Gy = 100 RAD

ROENTGEN (R)

Measure of radiation in the air

ROENTGEN EQUIVALENT MAN (REM)

Measure of the dose of radiation in terms of its estimated biological effect relative to a dose of 1 roentgen (r) of X-rays

SIEVERT (SV)

Measure of the health effect of low levels of ionizing radiation on the human body

- 2 view chest x-ray is equivalent to 0.1mSv1

Visit our websites to read the ALARA blog, watch videos, learn more about the risks of radiation exposure and see how the RaySafe i3 Real-time Dosimetry can help you now.

RaySafe.com/i3 or
landauer.com/real-time-radiation-monitoring.



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