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.