

The term “dual-energy CT,” or “DECT,” refers to CT that uses two [photon](#) spectra; therefore, DECT is sometimes also referred to as “spectral CT.” In clinical practice today, two different spectra are generated either by switching the voltage of one x-ray tube or by running two tubes at different voltages, and spectral information is gained from two absorption measurements with normal CT detectors. On the other hand, in the near future, energy-resolving detectors may be capable of resolving spectral information at two or more energy levels using the polychromatic spectrum of one x-ray tube.

Read More: <https://www.ajronline.org/doi/full/10.2214/AJR.12.9116>

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