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Multi-detector Computed Tomography

National Cancer Institute

Source

National Cancer Institute. *Multi-detector Computed Tomography*. NCI Thesaurus. Code C157337.

A type of computed tomography that uses a two-dimensional detector array, allowing for the acquisition of multiple slices simultaneously. This results in an increase in imaging acquisition speed, more coverage of the patient, and high spatial resolution. MDCT acquires volume data instead of individual slice data.