

[Open Peer Review on Qeios](#)

Spiral CT

National Cancer Institute

Source

National Cancer Institute. *Spiral CT*. NCI Thesaurus. Code C20645.

A method of computed tomography (CT) that uses continuous rotation of the X-ray tube and continuous transport of the patient through the scanning aperture that allows the rapid acquisition of a volume of CT data. Advantages over conventional CT include: rapid acquisition of a large volume of data within a single breath-hold, thus minimizing respiration artifact and misregistration between slices; the ability to reconstruct images retrospectively at any level within the scanned volume; optimization of intravenous contrast enhancement due to the short scan times; improved multi-planar and 3-D reconstruction; and the potential for radiation dose reduction. Same as helical computed tomography. (British Journal of Radiology 1994 May;67(797):436-44)