

# Computed tomography (password)

CT ( *computed tomography* ) is a diagnostic method where we measure **the intensity of a narrow beam of** X-ray radiation that has passed through the patient's body in different directions.

**The computer calculates the image** from the measured values .

The radiation source is gradually rotated 180° around the patient's body at small angles, so that each incision is irradiated from many directions. The computer then calculates **the absorption values at a certain point of the transmittance plane** and displays the values in a certain color or brightness on the display.

The radiation detectors in CT equipment are **very sensitive** and distinguish **a large number of radiation intensities** , i.e. the image is better.

## Links

### related articles

- Protection against ionizing radiation
- Low-dose
- 
- Computed tomography

### Source

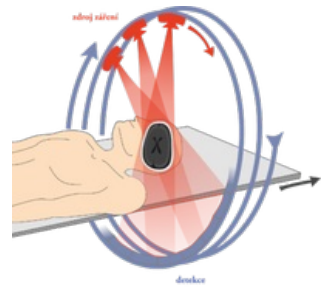
- KUBATOVA, Senta. *Biofot* [online]. [cit. 2011-01-31]. <<https://uloz.to/!CM6zAi6z/biofot-doc>>.

### External links

- Radiodiagnostics portal
- Šprindrich Jan: Computed tomography – CT. Multimedia support for the teaching of clinical and health disciplines :: Portal of the 3rd Faculty of Medicine of the UK [online] 6.3.2011, last update 23.11.2011 [cit. 2011-12-22] Available from WWW: < <http://portal.lf3.cuni.cz/clanky.php?aid=82> >. ISSN ISSN 1804-3143



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CT diagram