



## High Resolution Computed Tomography

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- 'High Resolution Computed Tomography' (HRCT) is a **type of CT scan with specific techniques to enhance image resolution**. It is used in the diagnosis of various health problems, most commonly lung diseases.
- **CT scans are more detailed than general X-rays, showing detailed images of any part of the body**, including the bones, muscles, fat and organs. Internal organs, bone, soft tissue and blood vessels provide greater clarity and reveal more detail than regular X-rays.
- HRCT is performed using a conventional CT scanner. **Imaging parameters are chosen so as to maximize spatial resolution**. The technique of HRCT was developed with relatively slow CT scanners, which didn't make use of multi-detector technology.
- High Resolution Computed Tomography is used for **diagnosis and assessment of interstitial lung disease such as pulmonary fibrosis**, and other generalized lung diseases such as emphysema and bronchiectasis. **These are the airways diseases.**

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