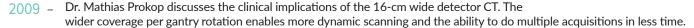
## Important Moments in the History of CT

- 1900 Italian radiologist Alessandro Vallebona invented tomography, using radiographic film to see a single slice of the body.
- 1960 Increased power and availability of computers sparked new research to create practical computational tomographic images.
- 1967 Sir Godfrey Hounsfield invented the first CT scanner at EMI Central Research Laboratories using X-ray technology.
- 1971 The first patient brain CT was performed in Wimbledon, England and publicized a year later.
- 1973 The first CT scanners are installed in the United States.
- 1980 Three million CT examinations are being performed.
- 1990s Portable/mobile CT scanners begin growing in popularity.
- 2005 The annual number of CT examinations grows to 68 million.
- 2007 Half of the CT scanners installed in the U.S. are multi-slice CT scanners with more than 64-slice capability.
- 2008 A new generation of CT scanners are developed and can take images of beating hearts or coronary arteries in less than one second.



2010 - The FDA launches its Image Wisely initiative to reduce unnecessary radiation exposure from medical imaging.



Sir Godfrey Hounsfield. (Credit: http://www.britannica.com/biography/Godfrey-Newbold-Hounsfield)

## **About Computed Tomography Exams**

A CT scan combines a series of X-ray images taken at different angles and uses a computer to create cross-sectional images (slices) of the bones, blood vessels and soft tissues inside the body. CT scans are more detailed than X-rays.

CT scans are used for many different uses but is best for quickly examining patients who may have sustained internal injuries. CT scans are used to visualize any part of the body, diagnose diseases and planning for treatment.

## Fast Facts:



It is widely rumored that the Beatles' record sales in the 1960's helped fund the first CT scan's development.



Adaptive Statistical, model-based and hybriditerative image reconstruction techniques contributed to a 70-80% radiation dose reduction over the past four years.



3D printing allows radiologists to print CT data in three dimensions, assisting in surgical planning and prototyping implants.

## Sources

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