

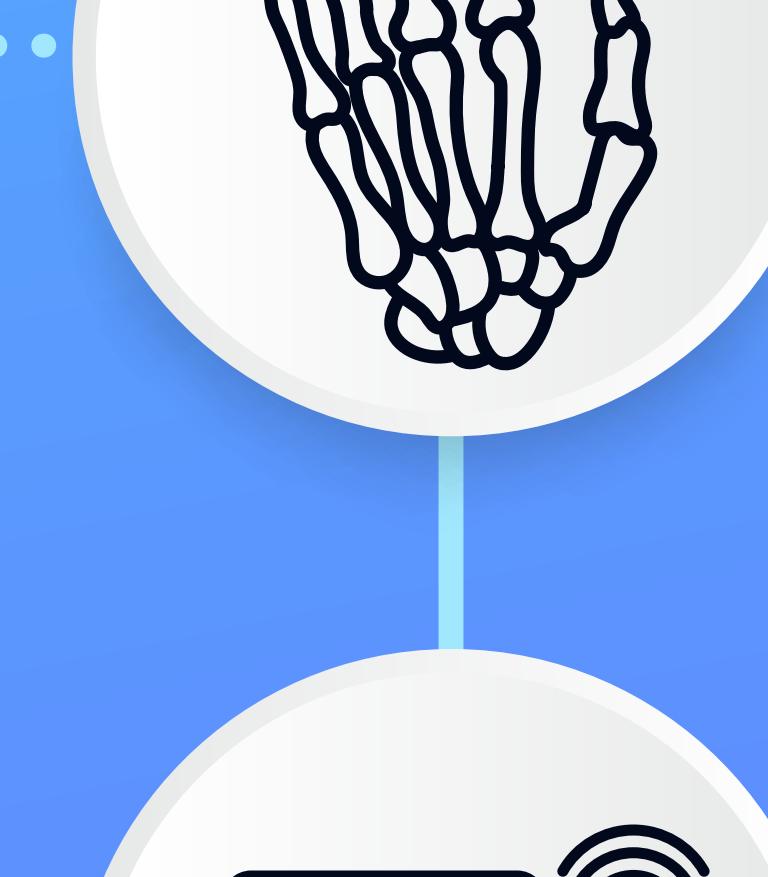
# Radiology: A Century of Innovation

Many of healthcare's most foundational technologies began in radiology. From **early digital workflows** and **speech recognition** to X-rays now used **billions of times** each year, radiologists have consistently turned emerging tools into everyday clinical practice. Here are selected highlights illustrating how radiology technology has transformed patient care.

**1895**

## X-ray Discovery

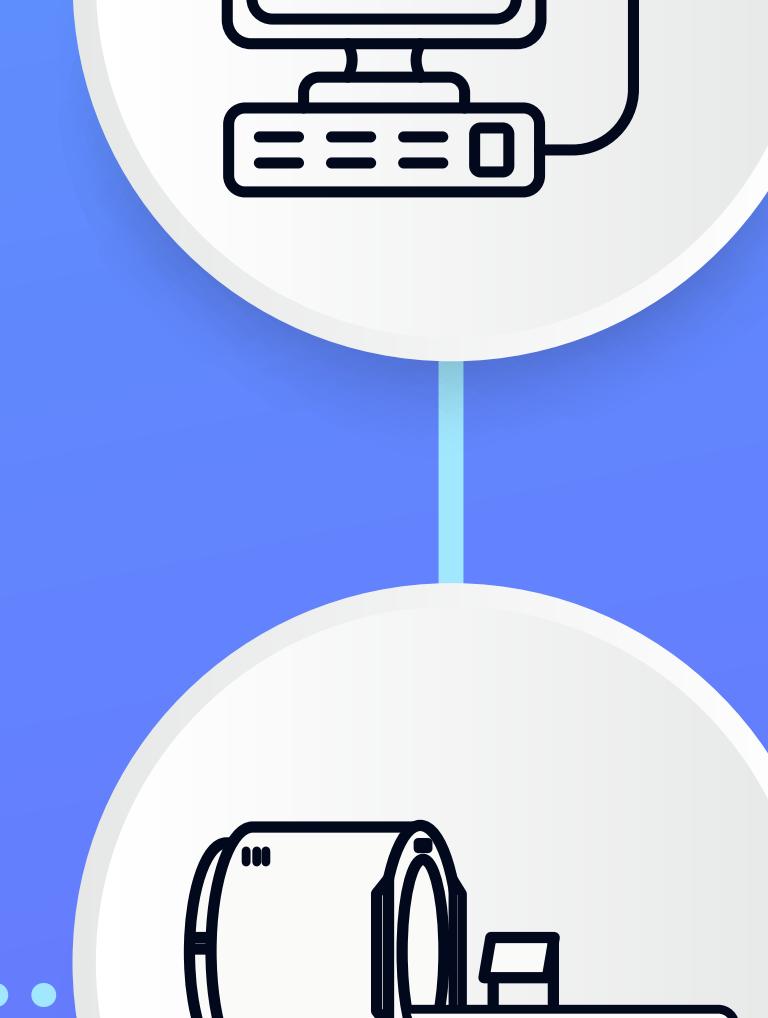
Wilhelm Röntgen discovers X-rays, introducing the first method to see inside the human body.



**1960s-  
1970s**

## CT Scan Invented

Godfrey Hounsfield's invention of CT introduced cross-sectional imaging that transformed neurologic and oncologic diagnosis.



**1980s**

## DICOM Standard

The first version of the DICOM Standard (ACR-NEMA 300) was introduced, enabling digital image exchange and interoperability across imaging systems.



**1990s-2000s**

## Filmless Radiology

Widespread PACS adoption creates "filmless" radiology departments and supports multi-site digital image access.



**2010s-Present**

## Cloud and AI

PACS evolve to web and cloud architectures, while AI tools support triage, detection, and reporting.

Interested in learning how Rad AI is driving forward a new era of radiology AI technology by saving time, reducing burnout and improving patient care?

**Let's chat.**

### Citations:

1. Higher patient doses through X-ray imaging procedures - ScienceDirect
2. Picture archiving and communication systems: past, present, and future - PMC
3. Wilhelm Conrad Röntgen: Finding X - PMC
4. A Short History of Sonography in Obstetrics and Gynaecology - PMC
5. How CT happened: the early development of medical computed tomography - PMC
6. The Nobel prize for MRI: a wonderful discovery and a sad controversy
7. Appropriate Magnetic Resonance Imaging Ordering - StatPearls - NCBI Bookshelf
8. History
9. The Evolution of PACS Radiology: From Film to Digital | PostDICOM
10. Improvement of Report Workflow and Productivity Using Speech Recognition—A Follow-up Study - PMC
11. PACS: 130 Years of Medical Imaging Evolution to Sustain Personalized Care
12. Artificial intelligence in diagnostic and interventional radiology: Where are we now?