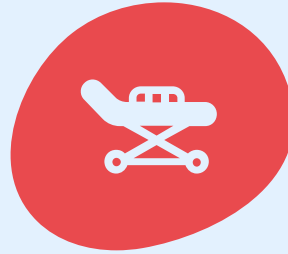


Types of Medical Imaging



X-Ray

Uses x-rays to be able to see dense objects



CT Scan

Uses a more powerful x-ray to take 360 degree pictures of body parts



MRI

Uses magnets with radio waves to see structures



Difference between X-Ray, CT Scan, and MRI

- X-Ray: type of radiation that passes through the body and makes the dense objects (like bones) appear white on the film
- Magnetic Resonance Imaging (MRI): combines a powerful magnet with radio waves and a computer to manipulate these magnetic elements and create highly detailed images of structures in the body. Images are viewed as cross sections of the body part being scanned.
- Computer Tomography (CT) scan or a CAT scan: sophisticated, powerful x-ray that takes 360 degree pictures of internal organs and bones.

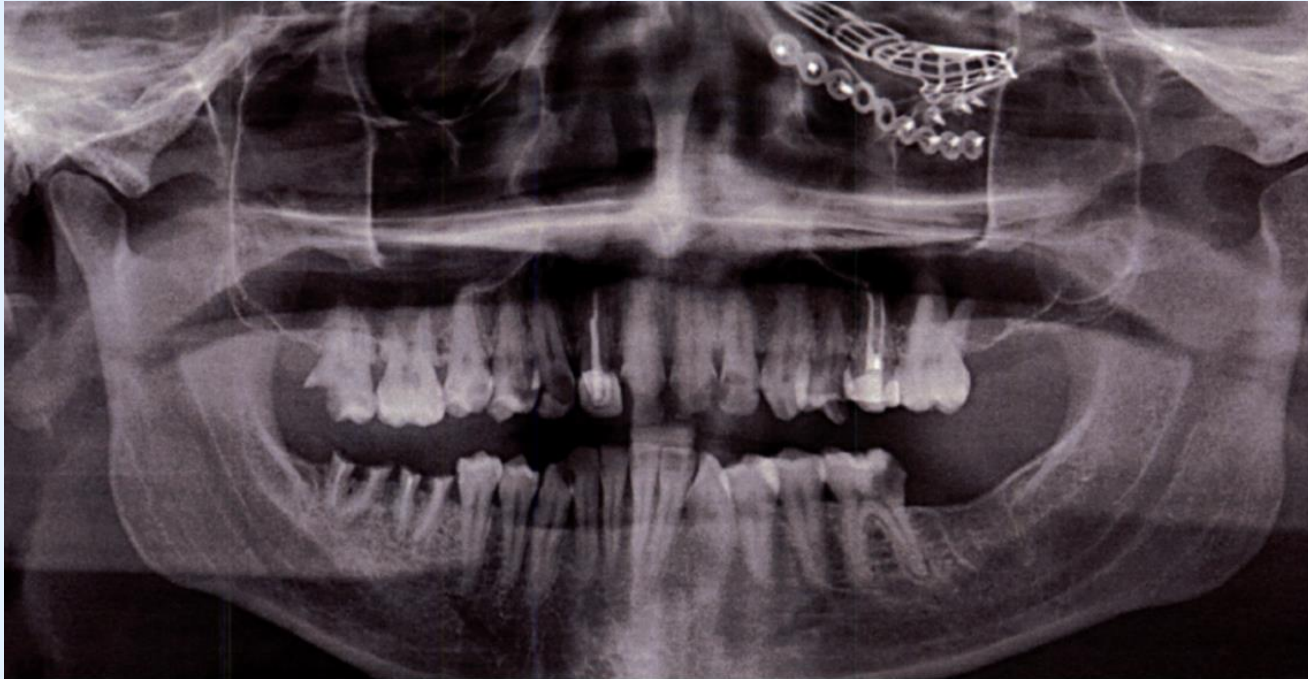
X-Ray Machine



X-Ray Machine



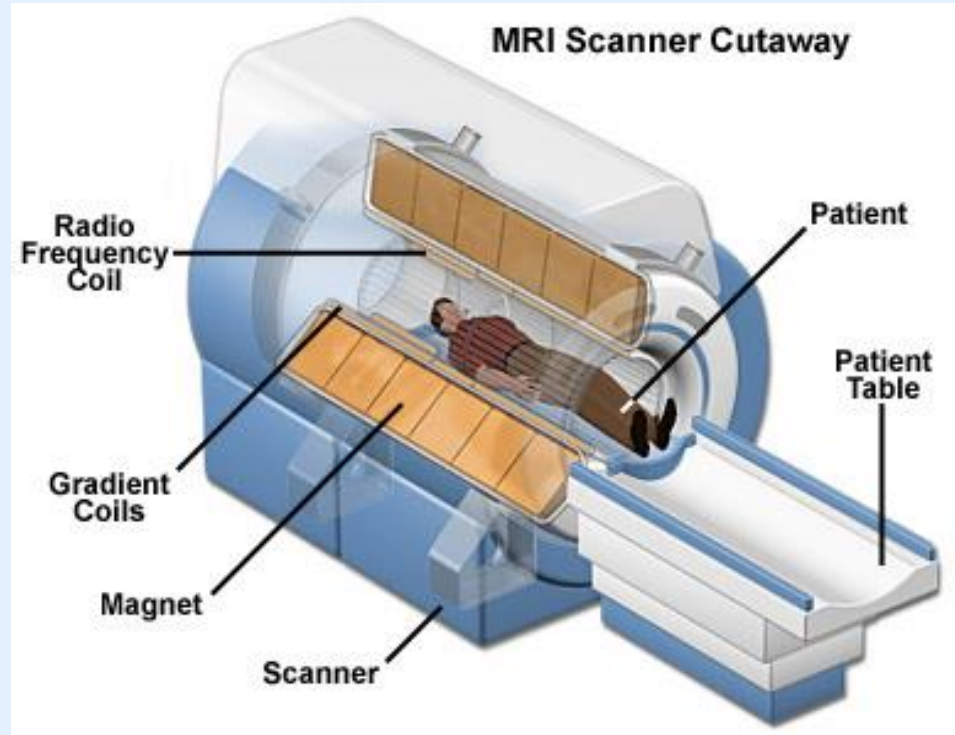
X-Ray of the Face



The background features a light blue gradient with several overlapping, semi-transparent light blue shapes. A thin red line curves across the top, and a thin blue line curves across the bottom.

Now for actual x-rays...

MRI Machine



MRI of Torn Achilles Tendon



CT Scan Machine



CT Scan Still





**Now for the full CT
Scan...**

What other medical
imaging types are
there out there?

What did you find out?



What are your thoughts?

What is the purpose of each of these medical imaging types?

Why can't we just have one of them?

What type of imaging do you think we need but don't have yet?