OUR TECHNOLOGY

# There are only a few thousand of these machines in use across the world.[1]

## Fortunately, we have one of them.

**When our doctors want to see things like a broken bone (without operating) an X-Ray is highly effective.**

But to see the condition of your pet's circulatory system, soft tissue, organs, ligaments, and so on, they use **Magnetic Resonance Imaging (MRI).**

So how does it work? Well in simple terms, your pet is placed in a tube surrounded by a huge magnet that produces a magnetic field measured in units known as a 'tesla', or 'gauss'. (What's really cool is that when considering the Earth's magnetic field measures 0.5 gauss, an MRI can create a magnetic field of 0.5-tesla to 2.0-tesla, or 5,000 to 20,000 gauss.)

Combine this huge magnetic field with 'coils' that transmit radiofrequency waves into your pet's body, (don't worry it won't hurt them[2]), add a few other hi-tech gizmos, understanding of atoms, and detailed pictures, called 'slices,' are produced.

Now our clever doctors, along with the use of powerful computers, can capture these 'slices' – *of any part of the body in any direction* – and compare them with what's normal, discover an issue or a concern, and begin to recommend treatment and care.

Of course there is much more to understanding the marvels of MRI's, so if you'd like to find out more, please never hesitate to ask. **After all, we're here for you and your pet.**

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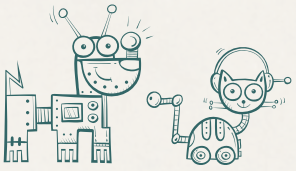
[1] Magnetic Resonance, a critical peer-reviewed introduction. European Magnetic Resonance Forum.https://en.wikpedia.org/wiki Magnetic_resonance_imaging#cite_note-1

[2] With no known biological hazards from being exposed to magnetic fields and because MRI 's don't use ionizing radiation such other imaging devices, they have a very low incidence of side effects.



We're dog years ahead in the use of cutting-edge medical technology.

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