
Subject: Re: Would you make a Trip to Chernoyl?
Posted by [Doitle](#) on Tue, 10 Jun 2008 02:13:49 GMT
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EvilWhiteDragon wrote on Sun, 08 June 2008 12:53 Doitle wrote on Sun, 08 June 2008 19:42 I would definitely go. Also tours of Chernobyl have been allowed for many years. This is nothing new. The amount of radiation you receive is slightly above the normal dosage any human receives on Earth. For this reason it is recommended that you minimize any medical procedures that use radiation such as X-rays, CAT scans and MRIs.

CAT or MRI (not sure which, maybe both) use magnetic fields, and those are as currently known not dangerous for (human) life.

X-rays are indeed rather dangerous, as that is so called Gamma radiation, which will go through about anything, presuming it has enough energy.

You typically get 4-20 times as much radiation from a CT Scan as you do from a standard X-ray.

Also when you claim that the MRI uses magnetic fields and so it does not emit radiation that is a falsehood. This is incorrect. MRI has everything to do with EM radiation. MRI relies on detecting radio waves emitted from protons as they move and try to realign themselves inside your body. The magnet is only used to initially shift the protons in one way or another. Radio waves at the resonant frequency of the protons are used to push the proton spins out of alignment with the main magnetic field. When the RF pulse is turned off, the proton spins gradually realign with the main magnetic field, and emit radio waves in the process. These radio waves are detected and used to form the image.

Microwaves, Radio waves, Visible Light, Cosmic Rays, they are all radiation. So you can't say that there is no radiation involved in an MRI.
