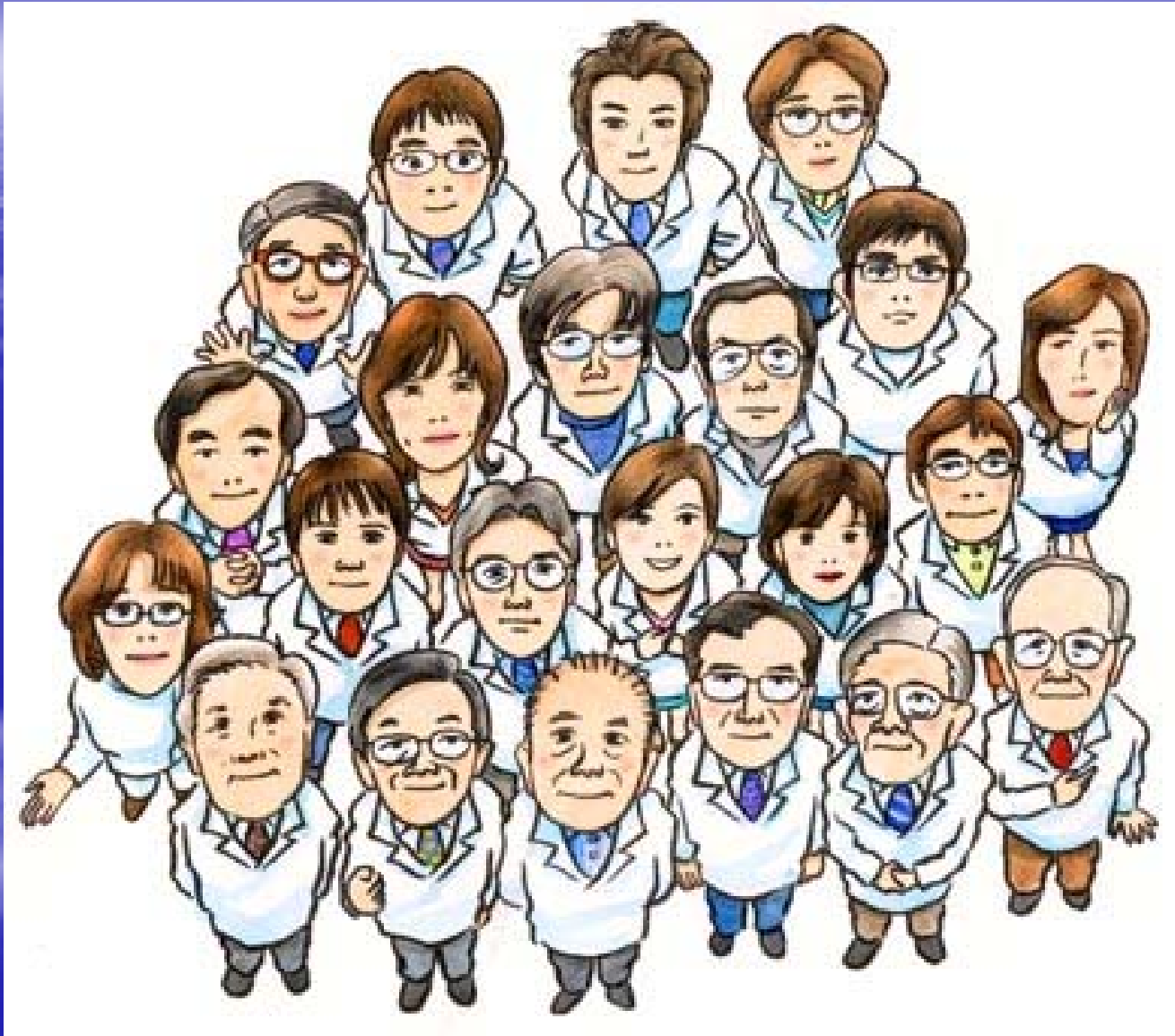


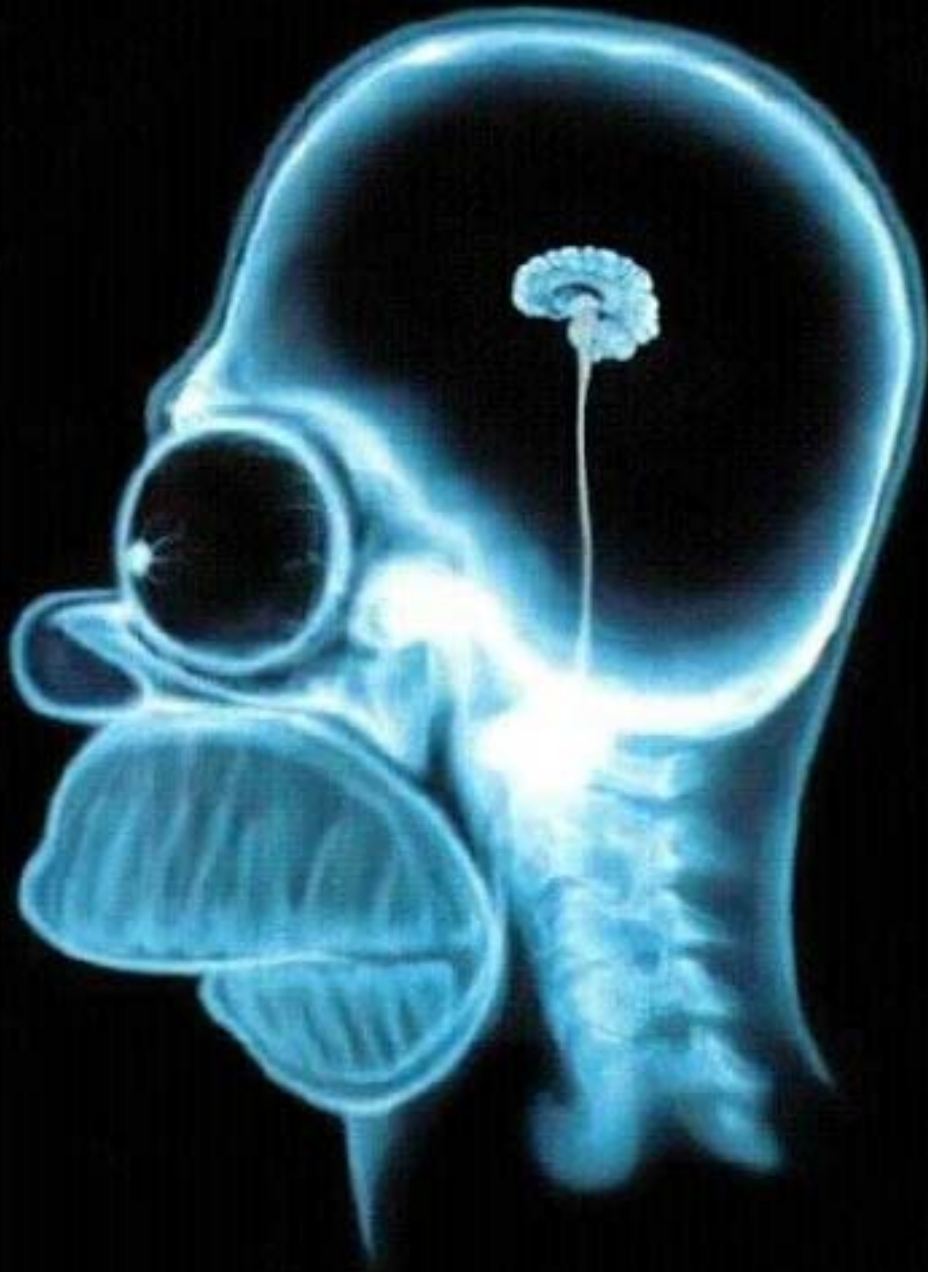
# Biomedical Radiation: Diagnostic Imaging and Cancer Therapy

Hugh Muse





KODAK LAREX MEDIUM 954029 L



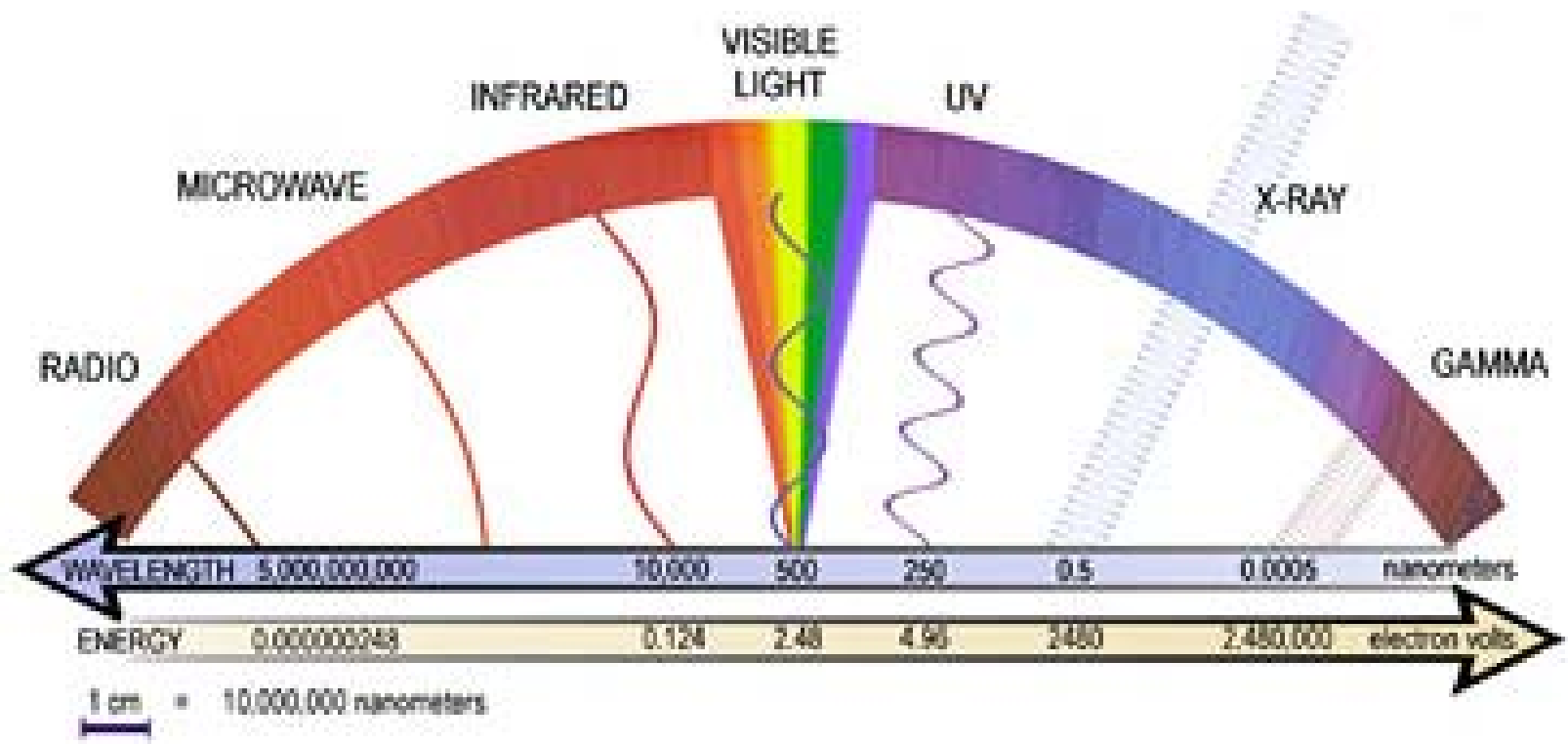




# Radiology

- Definition: the branch of medical science dealing with the medical use of X-rays or other penetrating radiation













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# Types of X-rays

- Bone X-rays
- Chest X-rays
- Lower GI tract X-rays
- Upper GI tract X-rays





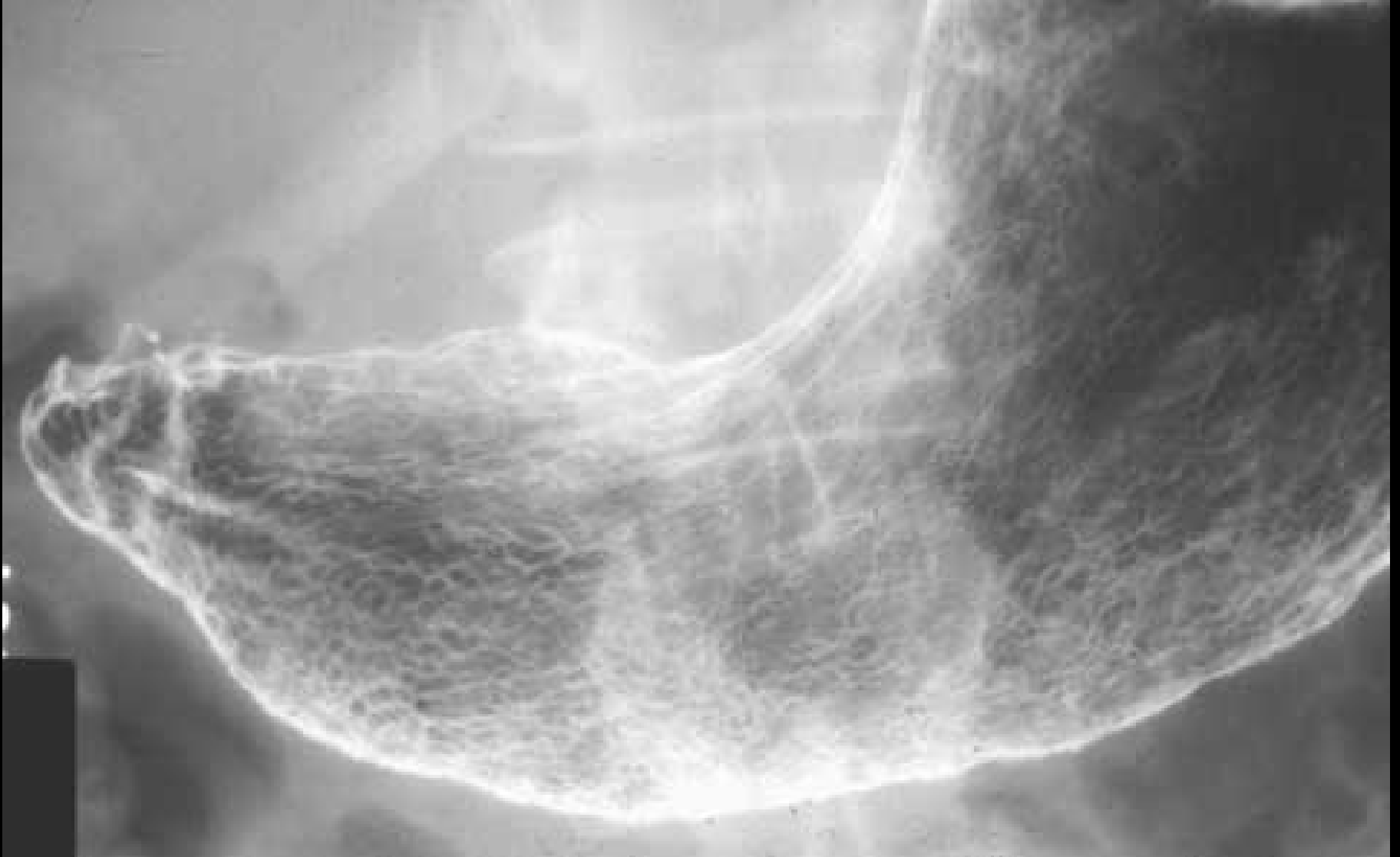
Zoom: 0.5

W: 4096  
C: 2048











# Radiation Therapy (Radiotherapy)

- Definition: the treatment of disease (especially cancer) by exposure to a radioactive substance





# Radiation Therapy

- External Beam Therapy (EBT)
- Internal Radiation Therapy (Brachytherapy)

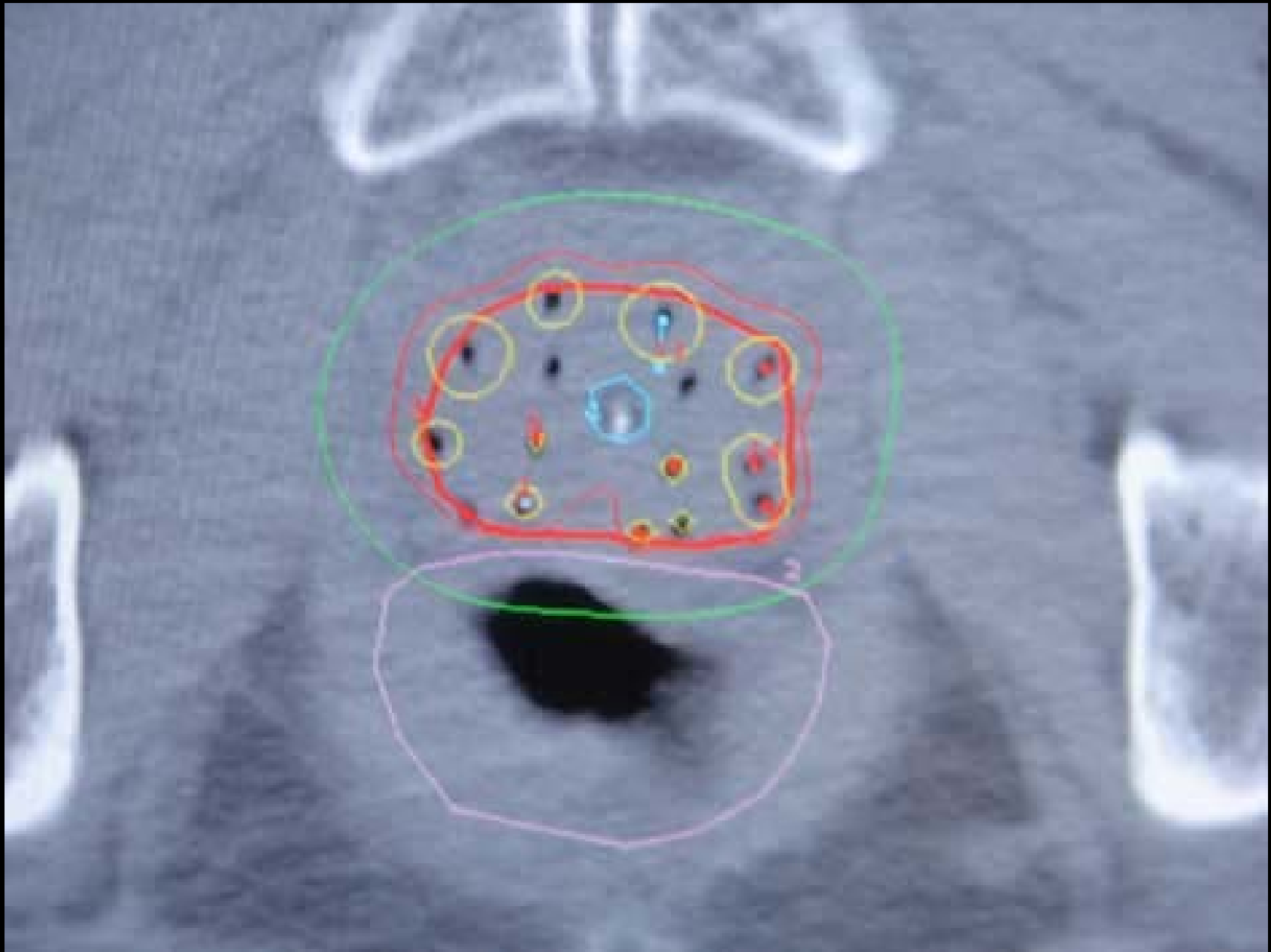
















# Credits

- Music by: Steve Jablonsky – *Arrival to Earth*
- Other Credits:
- "Brain Clouds ICNDE New Events Lectures." *Brain Clouds ICNDE Collective Phenomena*. Web. 08 Dec. 2009. <<http://www.brainclouds.org/organization/events.html>>.
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- "Space Today Online - Chandra X-Ray Observatory - the Electromagnetic Spectrum." *SPACE TODAY ONLINE - Space Today Online covering Space from Earth to the Edge of the Universe*. Web. 09 Dec. 2009. <<http://www.spacetoday.org/DeepSpace/Telescopes/GreatObservatories/Chandra/ChandraSpectrum.html>>.
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