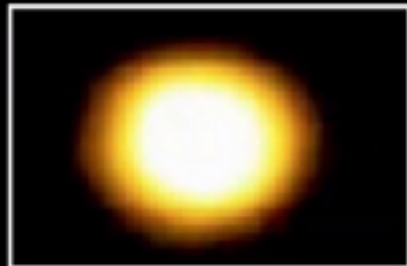


DNA damage is well recognized as a critical factor in cancer development and progression.

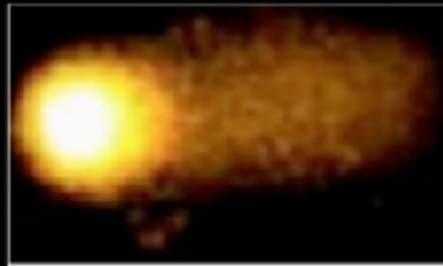
Comet assays: images showing that wireless radiation (WiFi, etc.) damages our DNA, just as x-ray radiation does.

Wireless Radiation Damages DNA

The Reflex Report, 2004 from 12 scientific institutes in 7 countries, confirmed genetic damage in the blood and brains of animals exposed to microwave radiating electromagnetic fields.



Control



Ionising gamma irradiation
0.5Gy (equivalent to 1,600 chest x-rays)



Non-ionising RF-EMF exposure
24 hours mobile phone exposure
1,800 MHz at SAR = 1.3W/kg

Comet Assays, aka single-cell gel electrophoresis, of DNA: control and after exposures



Electrical Engineer, PhD, Kent Chamberlin discussed the images: "... it shows here what happens with the **comet assay*** for a control DNA cell looks like. ... If you put in a cell of DNA and run it through the process for comet assay, it's nice and symmetric. But, if expose it to something we know causes harm, in this case that's gamma, **ionizing** gamma radiation ... an amount equivalent to 1600 chest x-rays, which is a pretty heavy dose, you get the expected degradation in the cell. But what happens if you expose a cell to wireless radiation,

like a cell phone? You get the same type of degradation. ... [**non-ionizing**] cell phone radiation does impact cells, does impact your DNA in the same way as does ionizing radiation."

*For decades, the **comet assay** which is also known as single cell gel electrophoresis (**SCRE**), is a readily available, not costly analytical technique that uses the movement of charged particles in a fluid or gel under the influence of an electric field. **"It helps scientists to determine whether there has been DNA damage to a single cell from apoptosis (cell death) or cytotoxicity (toxicity to cells) and the extent of this damage."** <https://www.news-medical.net/health/What-is-the-Comet-Assay.aspx>.

See these images at 1 hour 11 min into **Lecture 86**, "Latest Buzz about EMF: What the animals are trying to tell us, and what to do about it," Wed. April 16, 2025, 11:00 AM - 1:00 PM EDT.

Three presenters: Devra Davis, PhD, MPH.; Robert Brown, MD, (radiology, diagnosing via the use of ionizing radiation – x-rays, gamma rays – and non-ionizing radiation – MRI); and Kent Chamberlin, PhD (electrical engineering). EHT, The Real Truth About Health 2025 Conference, https://videos.therealtruthabouthealth.com/programs/lect-86-day-13-26484b?category_id=244202.

The Reflex Report 2004, <https://itis.swiss/s/news-events/news/publications/2004/final-report-on-reflex-and-project-summary-now-available> (click to download).