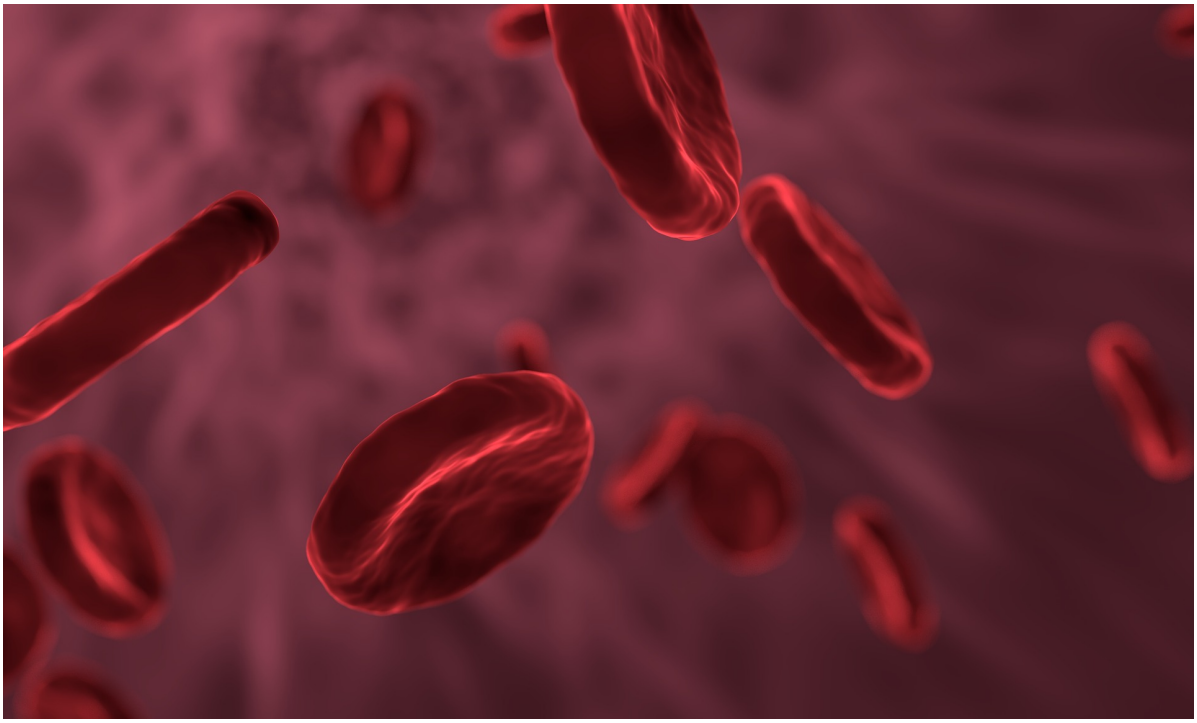
PHYSICIANS FOR SAFE TECHNOLOGY

https://mdsafetech.org/hematologic-effects/

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Hematologic Effects



Updated 4/7/20

There is growing scientific evidence that wireless non ionizing radiofrequency radiation causes adverse effects on our white blood cells and red blood cells. The common mechanism of oxidation, found in over 100 studies of electromagnetic radiation is a likely contributor. A **pilot study by the Weston Price Foundation** in 2015 looked at the effects of cell phone radiation using live blood analysis under the microscope of healthy young volunteers on a whole food Weston A Price Foundation diet, "WAPF " diet, versus controls. In both groups they observed abnormal red blood cell aggregation during and after short term cell phone use.

They concluded, "*Results show substantial changes in the blood from short-term cell phone radiation exposure in nine out of ten human subjects. RBC aggregation and stickiness were mainly observed following 45 minutes of exposure to a smart phone in receiving mode worn by subjects in a backpack. By contrast, RBC morphological (shape) changes including the formation of echinocytes (spiky cells) were dominant after subjects actively used the phone for an additional 45 minutes. It appears that RBC stickiness with clumping is the first stage of the cell phone radiation effect.*"

They also noted, "*The observation that peripheral blood taken from a finger and toe of the same subject showed the same blood changes in response to cell phone radiation exposure suggests the blood changes we observed are systemic.*"

In a new **article** from University of Surrey published in Nature, researchers found that biological cells generate an electric field outside the cell. Scientists demonstrated that red blood cells act as micro electrodes. This impacts how well the red blood cells stick together. In addition like other living cells, red blood cells exhibit a circadian rythym. Professor Mike Hughes, the lead engineers in the study, **stated,** "Biology is often reduced to interactions between big molecules, but cell-scale science is an essential area of study. By reintroducing the electrical element, we are looking for—and finding—a whole new way to understand how the body works."

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