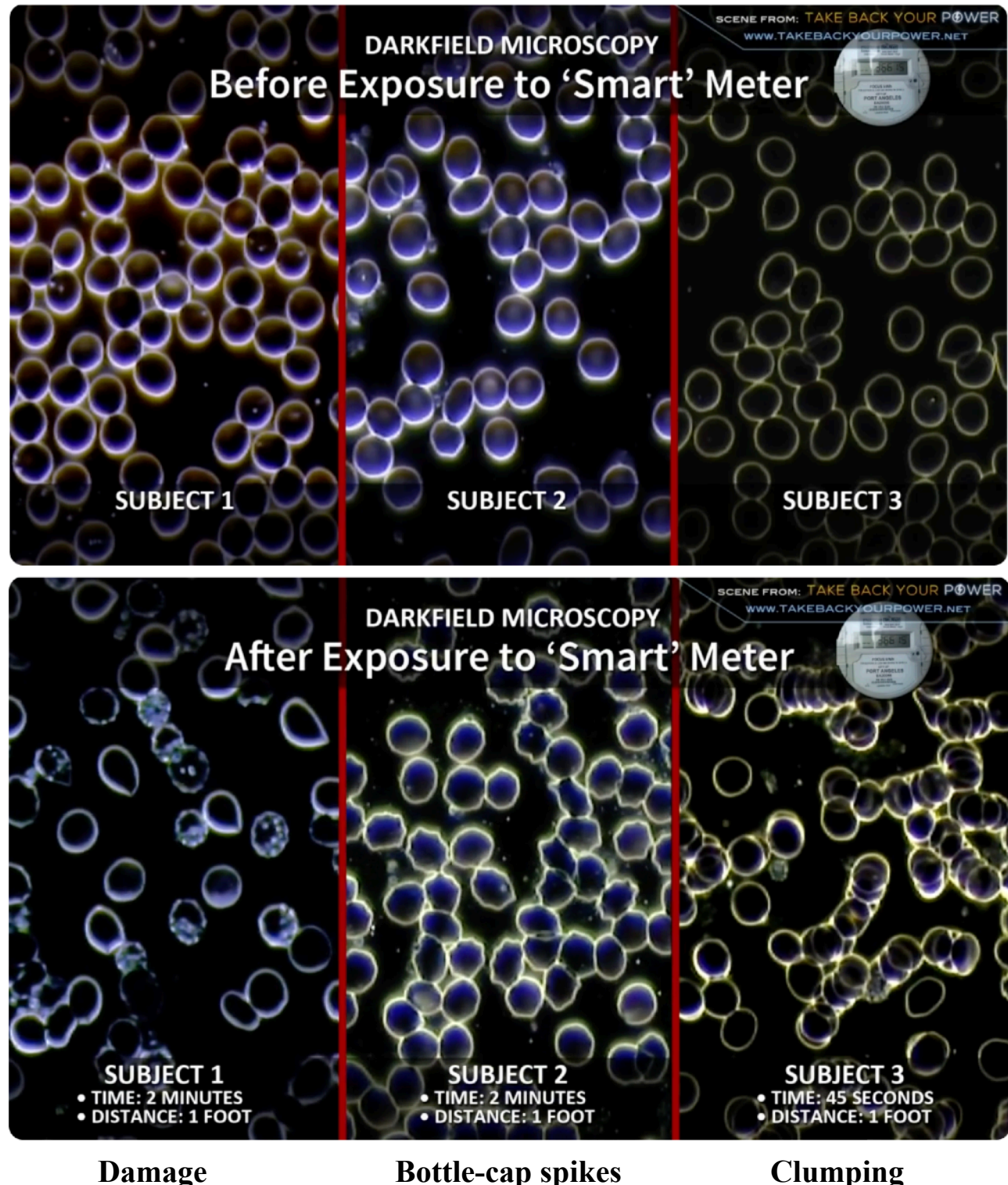


## Trauma to red blood cells by exposure to 'smart' utility meters

2:42 minute YouTube: "Live Blood Analysis - Observable Effects of RF/MW Radiation via Smart Meters" (<https://www.youtube.com/watch?v=y4JDEspdx58>), showing the blood cells of three people before and then after exposure to the wireless, radio frequency radiation of a 'smart meter' at a distance of one foot. The effects are trauma to the red blood cells that degraded the cell wall, breaking it, or making the cell membrane spiky all over, or making them clump together (called "Rouleaux" – rolls). When people are hospitalized for stroke after being in close proximity to a 'smart' meter (while on the street, in the garden, in bed or on a couch on the other side of the wall) there is no need to wonder how this could happen: blood cells that have been traumatized and damaged like this cannot pick up oxygen normally and cannot pass through the capillaries to deliver it.

**The Federal Communications Commission, says we are safe if we stay 20 cm / 8" away from these meters. We are not.**

**A study of 'smart' phone radiation corroborates these results.** "Beverly Rubik: Wireless Radiation, 5G, the Environment, and Our Health," <https://www.youtube.com/watch?v=BTFYQoBr7qs>. The images begin at 38 minutes in.



## The impact of 'smart' meters on the red blood cells

We might think that it would be unusual for us to be as close as one foot away from a radiating 'smart' meter. We would be wrong. These meters are installed at adult head-height along sidewalks. Gardeners and work people come near them. While we are in bed or reclining in the living room, our head or body could be right on the other side of the wall from where the 'smart' meter is outside. And there is **no** assurance that these damages to the red blood cells don't also occur at distances from the meter that are larger than in this study. In fact, there is every likelihood that they **do** also occur at greater distances.

Any impacts to the red blood cells are serious and will be contributing factors in other health issues. For instance, here are two studies on the link between the degree of wireless radiation exposures and the incidence of COVID, including deaths that are attributed to COVID:

- **“COVID-19 Attributed Cases and Deaths are Statistically Higher in States and Counties with 5th Generation Millimeter Wave Wireless Telecommunications in the United States,”**

Angela Tsiang and Magda Havas, Ph.D., published in [Medical Research Archives](https://esmed.org/MRA/mra/article/view/2371) 12 April 2021; <https://esmed.org/MRA/mra/article/view/2371>  
Click 'download'.

- **“Exposure to 5G mmW technology is statistically significantly associated with higher COVID-19 case and death rates in the U.S.A.,”**

Beverly Rubik, Ph.D. and Robert R. Brown; [J Clin Transl Res.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8580522/) 2021 Oct 26; 7(5): Includes all RF radiation from wireless communications, not just 5G. Extensively peer-reviewed (see the comments). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8580522/>

NOTE: Red blood cells have electrical properties: they possess a negative charge. This gives them an affinity for water molecules and it keeps them apart, flow separately and not sticking to the walls of the blood vessels. *Clearly, wireless radiation disrupts this charge.*