

AirPods and other types of Bluetooth headsets do not cause cancer. Where is the truth?

AirPods and other wireless headphones cause cancer like rumors? Where is the truth? Follow the article to get the answer.

If you regularly use the Internet recently, you've probably heard somewhere that: "Using Bluetooth headsets like Apple's AirPods may increase the risk of cancer."

But is that true? And where is the truth? Please refer to the article below to get the answer.



AirPods and other types of Bluetooth headsets cause cancer?

The sure answer is: **NO** .

Electromagnetic radiation emitted by wireless headset devices like AirPods is like many other electronic devices, they are not particularly dangerous. However, it is also not certain that AirPods is 100% safe. They still have some potential risks that we need to keep in mind.

Why do rumors of Bluetooth headsets like AirPods cause cancer?

Starting from a blog post Medium appeared earlier this month. The post quotes from Jerry Phillips, a biochemist at the University of Colorado, USA. His research shows that it may, but is not certain, the behavior of electromagnetic fields can mess with human DNA in a harmful way and as a result people should limit their contact.

And that's the basis for Jerry Phillips to come up with a rather "conclusive" conclusion: " **My concern for AirPods is their position in the ear canal causing relatively high exposure to the head tissues. with radio frequency radiation** ".

And what happens after that must be known. Many prestigious newspapers, immediately rely on his words, added to give users warnings about the danger of AirPods headphones.

There is no convincing evidence that AirPods or other Bluetooth headsets are dangerous

In fact, there is no evidence that radio frequency radiation (RF) can cause brain cancer or brain tumor formation in humans.

The author also pointed out that in 2015, he and a group of more than 200 international scientists sent a "call" to the United Nations and the World Health Organization, to "express" the term. Serious concerns about non-ionizing electromagnetic radiation (EMF) .

That event is real, however, we should remember that it was just a **call letter** , WHO probably ignored it, because we could not see any warning information afterwards. The letter of 200 scientists did not mention specifically about Bluetooth devices or wireless headsets.

Of course, there is no AirPods keyword phrase in that text, because Apple has released it until 2017.



Scientists behind the letter are interested in all kinds of electronic devices that generate non-ionizing electromagnetic fields in general - energy waves traveling at the speed of light emitted by many electronic devices, including mobile phones, WiFi devices, smart watches, children's tablets and antenna columns.

"Scientists in the field of EMF have serious concerns, about the popularity and increase in radiation exposure of wireless devices and antennas, from all sources including signals. Digital Bluetooth, "Elizabeth Kelley, EMF International Scientist Appeal, organization has gathered more than 200 scientists to sign the 2015 letter to WHO

said.

However, most other scientists still hesitate to confirm the danger of small doses of radiation, emitted from mobile phones and Bluetooth headsets. "They don't have enough energy to cause cancer, so damaging DNA directly inside the cell," according to an official statement from the American Cancer Society.

Radio waves of electromagnetic fields emitted from mobile phones, radios and other wireless technologies, such as Bluetooth, differ from the more powerful types of radiation we come into contact with, including X-rays, gamma rays and Ultraviolet (UV) rays are present in the sun. Only these powerful radiation can break down chemical bonds in DNA.

In fact, the California Department of Public Health also said that holding a mobile phone and applying headphones to the face will generate more radio power than using Bluetooth headsets, such as AirPods.



There is evidence that mobile phone radiation can harm mice, but not humans

Until now, scientists have been unable to find any evidence that the radiation emitted by the phone harms the way X-rays or UV rays affect humans.

But the same thing is not true for mice. The US National Poison Program found " **clear evidence** " that male mice exposed to high-level cell phone radiation each day had a higher rate of heart tumor, as well as "a Evidence "shows that this type of radiation involves brain tumors in mice.

But this result, for some reason, is not true for female mice, so we can't even conclude that electromagnetic waves emitted from mobile phones increase the risk of cancer for mice.

Moreover, according to the experience of scientists, what happens to mice that are not synonymous will happen to humans. It is difficult to know whether the dose of radiation emitted from a mobile phone, which we are exposed to day after day, is harmful to people.

Until now, the evidence we have cannot give any convincing affirmation.

A 10-year study in 13 countries, conducted by the International Agency for Research on Cancer, concluded: "There is no risk of brain cancer affecting mobile phone users at frequency. medium".

Scientists recommend that we should only do more research on those who use mobile phones at higher frequencies. (Again, it must be said that the amount of radiation from Bluetooth devices is much lower than that of mobile phones).

What is the real harm of wireless headphones?

If still worried about radiation risks, Kelley recommends:

1. Change Bluetooth headset to wired headset.
2. Keep your mobile phone away from the head.
3. Voice over headphones.

These are some of the most effective precautions.

According to the most accurate scientific research at the moment, you can still use AirPods or any other Bluetooth device. Only one scientific thing wants you to note: **Volume** . That is the risk left open at the beginning of this article.

In this respect, science has made clearer answers, compared to phone radiation exposure. Accordingly, repeated exposure to loud noises can lead to the formation of non-cancerous nerve tumors, which will cause hearing loss, as well as tinnitus syndrome.



If you wear too much and listen to music too loudly, you may soon need to replace your AirPods pair, switch to another wireless device.

Guess what it can be? Black out the bottom to know the answer.

HEARING AIDS

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