

Can saliva foreshadow death?

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In saliva, 99% is water, the remaining ingredient in saliva is the bacteria found in our gut, extremely powerful substances that can fight germs and accelerate wound healing.

Saliva is also being used to detect infections such as **HPV** . Besides, scientists are studying new ways to use saliva to monitor diseases like diabetes. They hope, this new method will reduce costs, be easier to implement than blood and urine tests.

Scientists at the University of California (Los Angeles, USA) have found a way to detect **lung cancer** at an early stage in just 10 minutes using a saliva test.



Besides being used to **quickly detect dangerous diseases** , saliva also contains many amazing mysteries that most of us do not know.

Saliva contains testosterone

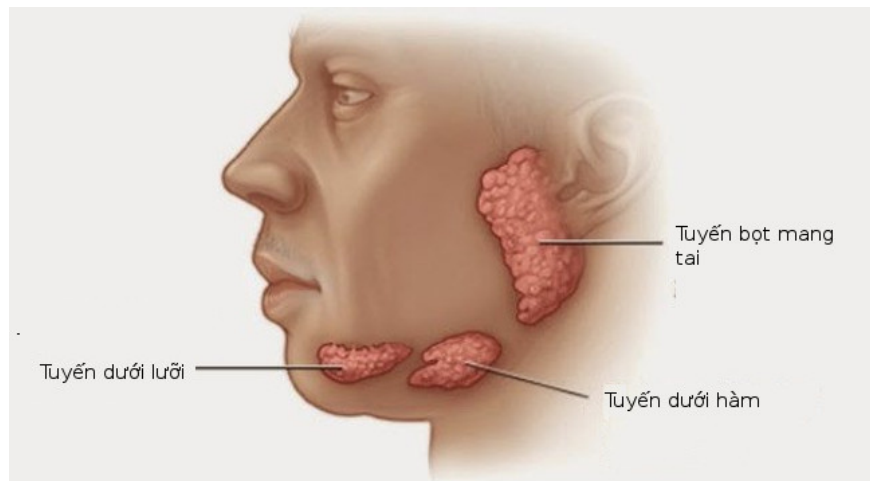
Our saliva contains hormones, including testosterone, cortisone, estrogen and progesterone, and melatonin. Whether they have physiological functions in saliva is still a question that has not been answered by scientists.

In the composition of saliva, there are calcium, antibacterial compounds, peeling cells from the mouth to help protect the mouth from irritating infections. That is why it is possible to analyze DNA from saliva testing.

Each person produces 3 different saliva types

1. A pair in the cheek (parotid gland): Saliva is full of water, which acts to moisten food when we chew.
2. A pair in the jaw (lower jaw line): mixed salivary glands.
3. A sublingual pair (sublingual gland): The mucus is much more sticky and a special "protective layer" inside the mouth when we do not eat.

They all transfer saliva through the tubes into the mouth.



You've probably experienced the feeling of "drooling" when you see the aroma of food, or when you see others eat more sour things when we chew. This is due to the fact that mechanical receptors (sensory cells recognize sound or touch) in the oral walls and in the gums recognize the pressure of chewing and signaling. Brand about the brain. The brain signals the salivary glands to produce more saliva.

You feel thirsty when you wake up because less saliva is produced at night. At that time, we do not eat so there is no chewing action to stimulate the salivary glands to work.

Teeth will rot if lacking saliva

1. The continuous salivation will wash away the bacteria that cling to the teeth, limiting the plaque.
2. In the composition of saliva contains a substance that helps neutralize acidity to prevent tooth decay, protect enamel.
3. Calcium in saliva, can penetrate into yeast that supports hardening.

Dry mouth can be a sign of disease



On average, we produce about 1-2 liters of saliva a day, almost equal to the amount of urine produced. Lack of saliva can be a warning sign of your health condition. It is possible that **Sjogren's syndrome**, an autoimmune disorder that slowly affects the salivary glands and may eventually stop the salivation causing inconvenience and discomfort.

In addition, people who have experienced radiation or chemotherapy may also produce less saliva or stop producing saliva.

Saliva can predict death

Antibody A (IgA) is secreted by white blood cells to fight infection in the body. According to a study published in the journal PLOS One, scientists have found that the amount of antibody A (IgA) in the saliva of a person decreases when death is approaching.

*" We still need to see how saliva can be used in health checks. Although it is still important to understand how much the antibody secretion rate should be considered worrying, but we It can now be said for sure, it is an early sign of the risk of death, "*said Dr. Anna Phillips, a health psychologist at Birmingham University (UK), who led the study.

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