

# You need to take medicine, now there is antibiotic gel pumped into the ear for middle ear infection

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Aware of this problem, a group of scientists led by Dr. Daniel Kohane has created a promising new antibiotic gel that will treat middle ear infection by pumping directly into the child's ear canal. without having to take medicine.



Every year, 12-16 million children suffer from middle ear infections in the United States.(Image source: Internet.)

The group said that taking a lot of antibiotics continuously for many days, not only is a nightmare for children, but some other antibiotics when taken in can cause children with side effects such as pruritus, redness, vomiting Vomiting and even some children may develop gastrointestinal disorders when taking antibiotics to treat middle ear infections. So, giving pumped antibiotic gel will be the best thing.

The gel works by integrating with CPE osmotic enhancer, transmitting through the pores, through the tympanic membrane and the drug molecules in the gene will go straight to the middle ear area and start treating inflammation.

And to get these new findings, the team conducted experiments on the middle ear system of sine-sinus squirrel, the ear of this rodent whose structure and activity is similar to the ear system. of human.

Experimental results showed that CPE infusion osmosis has brought ciproflaxin in antibiotic gel directly into the middle ear area of ??sine-sinus squirrel and treated for 7 days, resulting in near otitis media as deserved reduction.

However, the side effects of this method can cause mild visual impairment, but if you know how to use it in a suitable, balanced way, you can always control side effects.

Currently, the scientific group is continuing to study and promises to successfully apply on human body, especially children.

**Huynh Dung ( According to Medicalnewstoday)**

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