

Artificial intelligence can help detect melanoma skin cancer

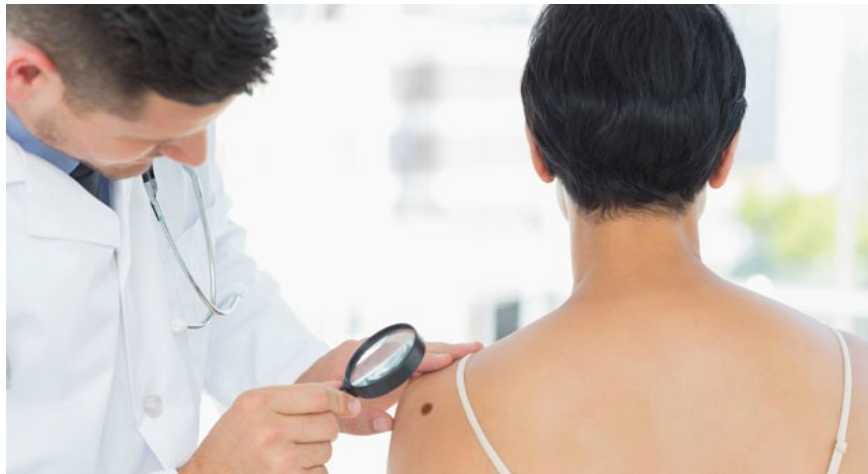
A team of researchers is developing a system based on artificial intelligence (AI) that can help detect melanoma early.

1. 5 false taboos when caring for people with cancer
2. The nano 'drill' rotates at a rate of 2-3 million revolutions per second, breaking down cancer cells in just 1 minute

A team of researchers is developing a system based on artificial intelligence (AI) that can help detect melanoma early.

This technology will use software to analyze images of skin damage and provide physicians with objective data on signs of malignant tumor, a deadly disease if detected too late, but can treat with high rates if diagnosed early.

Accordingly, this artificial intelligence system is trained to use tens of thousands of skin images and identify the corresponding levels of eumelanin and hemoglobin in the skin, this method will help reduce the number of unnecessary biopsies. , health care costs are also significantly more economical than today.



The change in concentration and distribution of eumelanin, a chemical that helps skin color, and hemoglobin, a protein in red blood cells, are powerful indicators of the most obvious manifestation of malignant tumors.

According to the researchers, the new system allows physicians to collect more objective information about skin lesions to help them eliminate melanoma before performing intensive invasion. than.

Alexander Wong, Professor at the University of Waterloo, Canada, said: *"This can be a very powerful tool to support the method of control, detection and treatment of skin cancer."*

This technology has just been presented at the 14th International Conference on Analytical Technologies in Montreal, Canada, which can be provided to physicians early next year.

Currently, dermatologists rely heavily on subjective visual tests from skin lesions such as moles to determine whether the patient should check for biopsies to continue diagnosis.

The new system will also decode biological signs in skin damage, supplementing quantitative and consistent information for current skin damage assessments.

Wong added: *"Our goal is to shorten the process of controlling, identifying, and treating time through this new artificial system."*

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