

This new diagnostic tool can help detect myocardial infarction and early stroke

Researchers have found a new laser diagnostic tool that can help detect the risk of heart attack and stroke earlier in cardiovascular patients.

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2. A month before your heart attack, your body will show 8 warning signs!

Researchers have found a new laser diagnostic tool that can help detect the risk of heart attack and stroke earlier in cardiovascular patients.

Accordingly, this tool uses near-infrared light to identify fat accumulation in arteries.

The researchers said in this study, they increased the wavelength of light and looked at plaques with internal bleeding, often related to blood clots that caused heart attack and stroke.

Karlheinz Peter from Monash University in Australia said: *"We believe that this near-infrared fluorescence image is a new technology that allows identifying atherosclerotic plaques with arteries in arteries, promising appointments will soon identify stroke, early myocardial infarction "* .



Moreover, this near-infrared fluorescence laser technology works most strongly when it recognizes atheroma, blood clots, or abnormal bleeding patterns.

The researchers said this could help improve the highest selectivity for patients who are at risk of cardiovascular disease, myocardial infarction and early stroke, and have timely control and treatment methods. .

This research has just been published in Nature Communications.

Peter said: *"We've found that when we project light at a near-infrared wavelength range, this light will reflect at a certain wavelength. That way, we can use laser light. to project unstable plaque with an unusual and unusual structure ' .*

Tara Schiller, Assistant Professor at the University of Warwick, said: *"This can help us discover the threat of an imminent heart attack and reduce the death rate of that patient."* .

After further study by clinical trials, this imaging method can be used to evaluate unstable atherosclerotic plaques and can also be used to monitor the effectiveness of drugs. used to prevent heart attacks or strokes at the highest risk of occurrence, researchers revealed.

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