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US researchers create sensor to monitor wound healing

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The sensor can identify blood-oxygen levels at nine points in a grid.



A team of researchers at the University of California, Berkeley (UC Berkeley), US has created a new sensor to map blood-oxygen levels over large areas of skin, tissue and organs.

As oxygen is important for healing of injuries, researchers expect that the mapping sensor would enable real-time monitoring of wound healing.

The new sensor is lightweight, thin and flexible. It consists of organic electronics printed on bendable plastic and can be placed anywhere on the skin.

The sensor can identify blood-oxygen levels at nine points in a grid. It is expected to facilitate mapping of skin graft oxygenation and monitoring of oxygen levels in transplanted organs, among others.