

Patching heart defects with new biological materials

A new medical discovery used to patch the heart tissue of defects has been successfully implemented and received the attention of the medical community worldwide.

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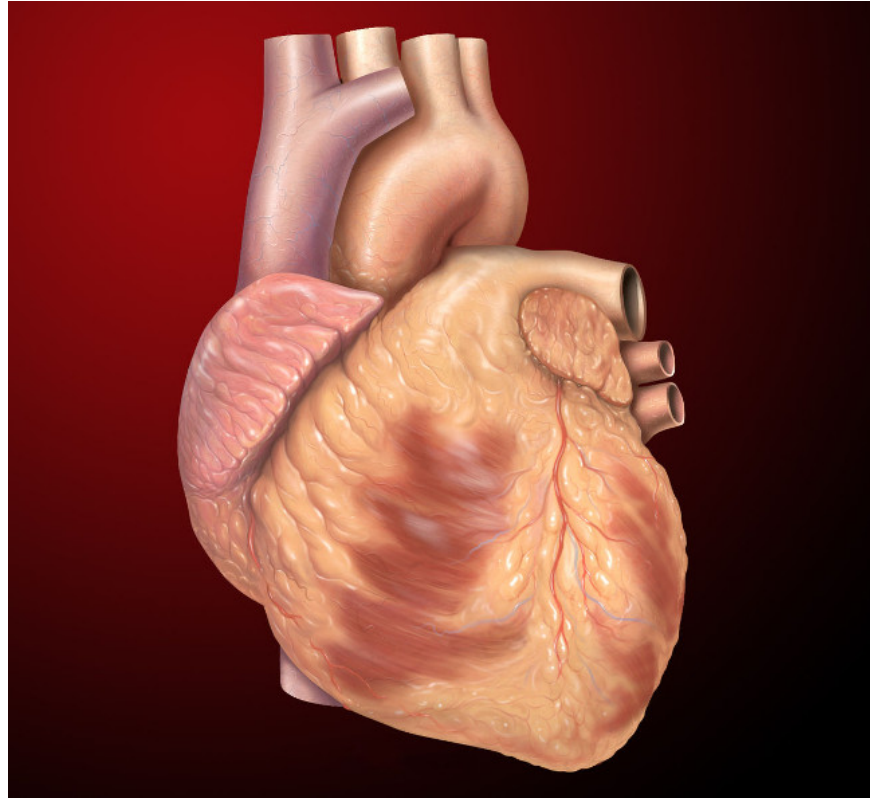
Accordingly, international researchers have proven effective in a new minimally invasive method that helps patch, compensate for areas of heart tissue defects, mouse damage on an extremely new biological material. .

It is known that, when spraying this biological material into the heart tissue with defects, they will form fibrin platelet gel, which helps the heart tissue to automatically recover without the need for stitches, patching, and adhesives. on heart tissue .



Currently researchers such as Junnan Tang, Adam Vandergriff, and co-authors of the University of North Carolina at Chapel Hill and the UNC Eshelman School of Pharmacy, North Carolina State University and NC State College of Veterinary Medicine (Raleigh), Diseases The institute attached to Zhengzhou University (China), and Soochow University (Suzhou, China) also reported new information on the therapy using fibrin platelet-producing bio-gel materials that they began to test. clinical experience.

According to the information posted on Tissue Engineering, Part C, biological materials for making fibrin platelet gel can be easily sprayed without causing toxicity to the heart, heart muscle, heart tissue in the present and long time. long. At the same time it will also promote the synthesis of a lot of energy to patch the heart for a long time.



Researcher John A. Jansen said: *"The method of sprinkling biological materials described in this article is a great, latest example of the techniques of maintaining, repairing and tissue-making medicine. , although the industry has developed its first phase since 1990 ' .*

If successfully applied on the human body, this therapy can be applied in hospitals and clinics, opening a new era for patients with heart attacks and heart defects in the future.

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