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India and U.S. discovered a Black Nano Band-Aid that bring backs life to dead heart tissue.

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Researchers from India and U.S have developed a band-aid that allows the dead heart cells to grow into life.

The newly formed band-aid is made up of carbon nanofibres. When a person has heart attack, a part of the heart dies and it did not able to regenerate and it is not possible for the present medical science to repair.

But, now, the researchers of IIT Kanpur and Brown University, U.S. have the answer to repair the dead tissue of the heart that was damaged by heart attacks.

The scientists now discovered a mesh to be used to damage portion of the heart made up of carbon nonfibres and a polymer.

This newly discovered nano-patch showed that a dead region of the heart can be brought back to life.

“This whole idea is to put something where dead tissue is to help regenerate it, so that you eventually have a healthy heart,” said David Stout, lead author of the paper published with Bikramjit Basu from IIT Kanpur in the journal Acta Biomaterialia.

The scientists used a polymer to stitch together helical-shaped carbon tubes of diameters so small that a 1000 such tubes would be together as thick as a human hair strand, creating a mesh about 2 cm long and as wide as a human hair strand.

When the nanofibers were seeded with natural heart tissue cells, five times as many cells colonized the surface within four hours.

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