

## Regrowing heart muscles without cancer risk, using synthetic stem cells

A new revolutionary stem cell technique is being used to treat those suffering from damaged muscles without the cancer risk that was previously present. This was the first time that researchers had successfully implanted synthetic stem cardiac cells that managed to repair the muscle that a previous heart attack has weakened. Cancer was previously a risk with traditional stem cell therapy as scientists were unable to stop former tumors as the cells continued to replicate.

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This procedure is mostly performed on those suffering from blood or bone marrow cancers such as leukemia. But, researchers are also working on developing effective stem cell treatments for those diagnosed with neurodegenerative diseases such as Parkinson's and heart disease too.

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Synthetic stem cells are very handy because unlike natural stem cells, they're easy to preserve and can be adapted to be used in various parts of the body. Ke Cheng, associate professor of molecular biomedical sciences at North Carolina State University, said, "We are hoping that this may be the first step towards a truly off-the-shelf cell product that would enable people to receive beneficial stem cell therapies when they're needed, without costly delays."

[The study can be found [here](#).]

**The GLP aggregated and excerpted this blog/article to reflect the diversity of news, opinion, and analysis. Read full, original post: [Pioneering Stem Cell Technique Promise Muscle Regeneration Without Cancer Risk](#)**