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Scientists Develop 3D Printer Capable of Producing Human Tissue

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This research, developed by the Wake Forest Baptist Medical Center in North Carolina, represents a breakthrough for regenerative medicine, as it suggests that these tissues could be transplanted in patients in the future, and thus overcoming a number of technical obstacles that currently hinder the process, the study noted.

The scientists managed to print “stable” cartilage, bone and muscle structures and after their transplant into rodents, they matured into functional tissue while developing a system of blood vessels.

Although the new printed tissues are not yet ready to be used in human patients, experts assert that the first results of the study suggest that they have the size, strength and functionality suitable to be used in humans.

The accuracy of this new 3D printer means that in the near future, it could perfectly replicate more complex tissues and organs of the human body.