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Three Dimensional Bio-printing

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Abstract

Three-dimensional (3D) Bio printing plays an important to generate new cells of various organelles of human body. Modern medical sciences are now using this technique to develop damage part of human organelles. This technique is now becoming more popular using selective healthy cells of damage part of particular organelles and such cells are \implanted to particular part of damage part of those organelles. In this technique selective cell and selective medium is required. The generation and transplantation of several tissues, including multilayered skin, bone, vascular grafts, tracheal splints, heart tissue and cartilaginous structures have been studied by 3D Bio Printing. Drug discovery and toxicological study are taking 3D Bio-Printing as new asset to develop new methods for treatment of damage part.

Keywords: Bio-printing, 3D-printing, Modern medical science.

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