

Biomedical Technology

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Additionally manufacturers will be able to use computational tools and methods to predict the performance of their medical devices in virtual patients. The physical and animal testing procedures could be reduced by virtual prototyping of medical devices. Here simulations can enhance the performance of alternate device designs for a range of virtual patients. This will lead to a refinement of designs and to safer products.

This book summarizes different aspects of approaches to enhance function, production, initialization and complications of different types of implants and related topics.

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