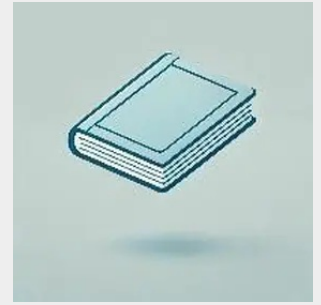


Artificial Human Organs

Science and Innovation of the Bionic Body

Artificial Human Organs: Science and Innovation of the Bionic Body explores all new developments in the evolving field of organ replacement and bionic technology, where new organs, body parts, and tissue replacement solutions are currently used or might be beneficial in the future. The clinical need for artificial organ replacements and bionic body parts are explained and, more broadly, the need for improvement, potential engineering solutions, clinical indications, perspectives, and organ/body-part technology research and development. This book provides up-to-date information on organ replacement techniques and bionic technology among different organs and systems and discusses the limitations of the current methodologies and techniques. Incorporating perspectives from leading experts in the field, this comprehensive book is aimed at biomedical engineering students, medical students, physicians, engineering and biomedical researchers early in their careers, as well as those with an interest in artificial organ, bionic body and human bionics.

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