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Biomedical Devices

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Abstract: Abstract-Biomedical devices have reuthitionized the healthcare industry: accurate diagnostics; efficient treatment; and monitoring of patients. Biomedical devices encompress the integration of engineering principles into the medical sciences to create a device for disease detection, pxvention. and care. The development of biosensors, wearable devices, and implantable devices has significantly contributed to the advancement of medial care. The focus of this paper will be on biomedical devices, discussing applications, technological developments, and future prospects. The integration of artificial intelligence, nanotechnology, and loT has further expanded the potential of biomedical devices in personalized healthcare.

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