



Revolutionizing Healthcare with Sustainable Solutions: Advancements in Biodegradable Implants

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features like drug delivery and smart technologies is enhancing the capabilities of biodegradable implants, paving the way for more personalized and effective treatments. Despite these advancements, challenges remain in optimizing the mechanical properties and degradation rates for specific applications, particularly in load-bearing scenarios such as orthopedics. Additionally, the long-term effects of biodegradable materials on human health require continued study. However, with ongoing research and technological development, biodegradable implants are poised to become a standard solution in various medical disciplines, offering patients safer, more sustainable, and less invasive alternatives to traditional implants. The future of biodegradable implants is bright, with the potential to transform healthcare by improving patient care, reducing healthcare costs, and minimizing the environmental impact of medical devices. As research continues, it is likely that we will see even more innovative applications, ultimately leading to a revolution in the way medical implants are designed and utilized.

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Conflict of Interest

None

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