

NANOMEDICINE – THE FUTURISTIC MEDICINE

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ABSTRACT

The use of nanotechnology in medicine offers exciting possibilities and while some techniques are only being imagined, others are at various stages of development and testing, and still others are in actual use. Use of nanotechnology in medicine, called “Nanomedicine”, involves application of nanoscience and nanotechnology in the use and manufacture of nanodevices that can work at cell level. This area when fully developed will revolutionize the medical field.

This article reviews the possible influence of the emerging nanotechnology discipline on healthcare with the objective to enhance awareness of the readers about the nanotechnology implications for the 21st Century medicine. As the nanoscience changes from concept to a discipline, so does the nanomedicine that integrates the nanotechnology into medicine for DNA sequencing, diagnosing, monitoring, healing, tissue regenerating, and even reversing the disease process.

KEYWORDS: Nanomedicine, Nanotechnology, Dna, Futuristic Medicine, Prosthetics, Imaging, Nanobots, Tissue Regeneration, Diagnosis, Monitoring