

Nanomedicine for Treating Organ Failure

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Abstract

Nanotechnology has begun to revolutionize numerous science and engineering fields. The use of nanotechnology in medicine has been termed nanomedicine. This presentation will highlight recent advancements in the treating of organ failures (such as orthopedic, vascular, cartilage, central and peripheral nervous system, and bladder) through the use of nanomedicine. In all organs, promising in vitro and in vivo data exists which demonstrates a strong future for the use of nanomedicine in clinical applications.