

Nanoparticles Use in Cancer Therapy

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Abstract: *Cancer is one of the major causes of mortality worldwide and advanced techniques for therapy are urgently needed. According to huge studies and the best use of nanoparticles for cancer treatment the nanoparticle is play a consequent role as a drug delivery system. Nanoparticles generally divided into 3 major parts inorganics, organic, hybrid. Due to their small structure, they effectively deliver drug and achieve EPR effect. Among these gold nanoparticles are found successful agent for cancer therapy. Mesoporous Silica Nano-particle become novel and promising drug delivery vehicle. carbon nanotubes quantum dots, organic nanoparticles and hybrid nanoparticles also play a important role in cancer therapy. This review highlights mainly the different types of Nanoparticles in cancer therapy their synthesis and targeting atsite*

Keywords: Nano Particle, Inorganic and Organic Nanoparticle, Gold Nanoparticles, Liposomes, Quantum Dots, Np in Cancer Therapy, Carbon Nanotubes, Mesoporous Silica Nanoparticle, Polymeric Nanoparticle, Polymeric Micelles, Dendrimers, Hybrid Nanoparticles, Testing, Passive and Active Targeting