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## Nanoparticle-assisted drug delivery against cancer: A review

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Nanoparticles have been extensively used for drug delivery in cancer therapy. A trimeric complex of monoclonal antibody-nanoparticle-anticancer drug increases the specificity of the drug attack onto the cells which have forgotten to die. This composite has not only been effective in therapy but also in the cancer diagnostics purpose. There are several factors affecting the pharmacokinetics and the pharmacodynamics of the drug which ultimately affect the journey of the drug, the penetration, the entry of the drug in the cancer cell and the final dosage that ultimately reaches the target. The challenge lies in reducing the drug action on the non cancerous cells thereby reducing the side effects of the cancer therapy. This review article overviews several studies and the outcomes related to the use of nanoparticles in the antibody guided cancer therapy for mounting the drug specificity.

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