

NANO ANTI-CANCER DRUGS: NEED OF FUTURE

Imran Ali^{1, 2}

¹Taibah University, Al-Medina Al-Munawara, Saudi Arabia

²Jamia Millia Islamia, New Delhi, India

Routine chemotherapy for cancer treatment has several side and toxic effects. Recently, a new approach of nano anti-cancer drug has been developed and only few drugs are available in the market today. The unique features of these drugs are targeted action on cancer cells only without any side effect and, hence, called magic drugs. The important molecules used for preparation of nano anti-cancer drugs are cisplatin, carboplatin, bleomycin, 5-fluorouracil, doxorubicin, dactinomycin, 6-mercaptopurine, paclitaxel, topotecan, vinblastin and etoposide etc. The most commonly used materials for preparing nano particles carriers are dendrimers, polymeric, liposomal, micelles inorganic, organic etc. The proposed lecture will comprise the-of-art of nano drugs in cancer chemo-therapy including preparation, types of drugs, mechanism, future perspectives etc.

drimran_ali@yahoo.com
drimran.chiral@gmail.com\