



Current Scenario on Drugs that Cause DNA Damage

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Recently every one is worried about the health status and the healthy habits of life. Recent findings on the drugs like aspirin create ss and ds DNA breaks and damage. There are drugs like doxorubicin which creates ds breaks in DNA but its use is inevitable as it is one of the drug used for cancer treatment. Coriandrum which is commonly used in salads and as a flavoring agent proven to damage DNA when taken in raw condition. So, Inevitably we are exposed to the DNA damage causing agents or drugs. Topoisomerase one of the enzyme that repair DNA but unknowingly we expose to the drugs that inhibit Topo II&IV which finally responsible for the errors and damage in DNA. Currently some of the labs are searching for drugs that inhibit Topo II&IV which can act as an aid in cancer treatment. One of the natural treatment to prevent or reduce the signs of DNA damage and aging is to inhabit having of green tea regularly. The high concentration of catechins present not only re-

duce the weight they can help in enhancing the DNA repair mechanism and also prevents the ss and ds break formation due to free radicals. Now lot of research is focused on DNA and it's topology and finally the upcoming generations may be identified with DNA barcoding but more research should be focused on drugs that can finally target and damage DNA for reducing the major scenarios like cancer.