

9th Indo Global Summit on **Cancer Therapy**

November 02-04, 2015 Hyderabad, India

Newer cancer chemotherapeutic agents

Jitendra Varshney

Varshney ENT Clinic, India

Cancer is an exception to the coordinated interaction among cells and organs. The goal of cancer treatment is first to eradicate the cancer. If this primary goal cannot be accomplished, the goal of cancer treatment shifts to palliation, the amelioration of symptoms, and preservation of quality of life while striving to extend life. Cancer treatments are divided into four main types: surgery, radiation therapy (including photodynamic therapy), chemotherapy (including hormonal therapy and molecularly targeted therapy), and biologic therapy (including immunotherapy and gene therapy). Antineoplastic agents are the drugs used to treat cancer. They are also called as cancer drugs, cytotoxic agents or anticancer drugs. Paul Ehrlich first coined the term chemotherapy. Antineoplastic drugs are most effective against rapidly dividing tumor cells. Every year FDA approved few drugs in the armamentarium of a Medical Oncologist to treat cancer. In the year 2015, nine drugs have been approved till date for cancer treatment.

Biography

Jitendra Varshney has completed his B.Pharm and M.Pharm (Clinical Pharmacy) from SGRR-ITS, Dehradun. He is Director of Varshney ENT Clinic, Chandausi (U.P.). He is also Pharmacy in-charge at Sri Sai hospital, Moradabad, a trauma, emergency and multi-speciality centre. He has worked as pharmacist at ANANDANIKETAN (Society for Mental Health Care), Katwa, Burdwan (W.B.). The Ministry of Social Justice & Empowerment, Govt. of India has given a National award in Dec., 2011 to ANANDANIKETAN for the empowerment of persons with disabilities. He has published 7 papers in reputed journals. He has completed two research projects: One is "A Randomized, Double-Blind, Single Dose, Crossover Study to Compare the Sensory Attributes & Immediate Efficacy of Intranasal Ciclesonide & Intranasal Fluticasone Propionate in Indian Patients with Allergic Rhinitis"—this is the first clinical study throughout the World, comparing Ciclesonide and Fluticasone propionate. This study was published in Indian Journal of Pharmacology in 2012. Other project was published in West Bengal State Journal of Otolaryngology and got "Best Paper Award".

jitendra_shanker@yahoo.co.in

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