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**ABSTRACT BOOK**

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**Contact: 8788185450, 9656111669 / Email: [conference@amcoph.org](mailto:conference@amcoph.org)**

## IOPCR15

### **Clinical Research on Cancer and It's Advance Therapy**

**Ramyani Mukherjee**

Department of Pharmaceutical Technology, NSHM Knowledge Campus Kolkata under  
Maulana Abul Kalam Azad University of Pharmaceutical Technology, West Bengal -700053  
E Mail : [mukherjeeramanyi84@gmail.com](mailto:mukherjeeramanyi84@gmail.com)

**Abstract:** In the current scenario of this clinical research of Cancer, it's formulated with the advancement of Drug Therapy, Immune Therapy, Gene Therapy and treatment procedure of technical advancement. The objectives behind this Clinical Research of Cancer are used by applying "p53 Gene Therapy" which kill the Cancer Producing Cells and Dominate them to grow by Apoptosis Mechanism. Drug therapy such as advance Cytotoxic Drugs like 'Cisplatin' and some hormone containing drug like 'Fosfestol' use for ovarian cancer. Immune Therapy is processed through 'Methotrexate'. In case of the technical advancement Radiation Therapy, Surgical Therapy is used to treat various types of Cancer. The benefits of these therapies will provide us the use of better treatment quality. Under this Clinical Research p53 mechanism group of drugs give a revolution in Cancer Therapy, destroy the Cancer cells and their growth by Root. There are four phases of Clinical Trials of which "p53 mechanism" drugs are newly invented group of drugs are in Phase II and Phase III. By suppressing Gene and Immune Cells which are producing cancer can be Treated in a new way by this mechanism such as Breast Cancer, Ovarian Cancer, Cervical Cancer etc. The Neuronal and Brain Cancer can be cured by "Stem Cell Therapy". The breast cancer which caused through 'BRCA2 Gene' can be suppressed by 'p53'. Following are the recent advancement of Clinical Research and Development for Cancer Therapy. "X ray therapy" is newly invented technique of Radiation Therapy in Cancer Treatment. Modern Cancer Treatment such as Radiation Therapy gives us 50% curable chance by Clinical Research of Cancer. There are some other Clinical Research which is used to cure 40% chance of Cancer such as Gene Therapy, Immune Therapy and so on.

**Keywords:** p53 Gene Therapy, Apoptosis Mechanism, Cytotoxic Drug.