

**DBT Sponsered Two Days National Conference on
A Paradigm Shift for Emerging Paraphernalia in
Advancement of Cancer Research**

28 and 29 Feb-2020

DOI: <https://doi.org/10.37022/WJCMPR.2020.SC1>

Organized By



Nirmala College of Pharmacy

Affiliated to Kerala University of Health Sciences Thrissur

Approved By Government of Kerala, PCI and AICTE

Nirmala College Rd, Kizhakkekara, Muvattupuzha, Kerala 686661

HORMONES AS ADJUVANTS IN ANTICANCER THERAPY

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Abstract

Objective: To understand role of hormones in anticancer therapy

Method: Systematic literature review on the topic.

Hormone therapy is used in prostate and breast cancers. This can be used as adjuvants with other cancer treatments. The treatment type depends upon the type of cancer, and its spreading, if it uses hormones to grow and presence of other health problem. Hormone therapy falls in 2 broad groups, those that block the body's ability to produce hormones and those that interfere with how hormones behave in the body. Hormone therapy can make a tumor smaller before surgery or radiation therapy-Neo adjuvant therapy. It can lower the risk of recurrence of cancer after main treatment-Adjuvant therapy .It destroys cancer cell that spreads to other parts of the body.

Hormone therapy can be given as pills. It can be given as injection, by a shot in a muscle including arms, hip, thigh or fatty part of arm, leg or belly. Surgery can be done to remove organs that produce hormones. Hormone therapy is used to lessen the chance that cancer will return .It can prevent symptoms in men with prostate cancer who are not able to receive surgery or radiation therapy.

Conclusion: Hormones can be used as adjuvants in anticancer therapy.

Keywords: Adjuvants, breastcancer, prostate cancer, neoadjuvant therapy.

CHLOROVIRUS: EMERGENCE AS PATHOGEN PYRAMID

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Abstract

Chlorovirus is avowed as chlorella virus, a genus of giant dsDNA viruses in the family phycodnaviridae. It is Acanthocystis turfacea (ATCV – 1) DNA known to be large DNA viruses. Analysing the virus infected personage unveiled, decline in visual processing ability and reduced visual motor speed furthermore synaptic plasticity. Pathogen pyramid is the substantial core for capturing the emergence of novel virus. It inheres four levels involving; exposure of humans to a novel pathogen, viruses having capability of infecting humans. Third levels comprises of viruses neither vitiate humans but are also transmitted from one human to another. Level four intertwined to viruses which are endemic in human populations. The species due to its substantial influence have made a pavement in pathological pyramid .Chlorovirus barge in the pyramid by contamination of food and water. The rate of such exposure is determined by coalescence of the distribution and ecology of the non-human host and human activities. Contagion manipulates the gene expression making aberration in the cognitive functioning. Therein lays permutation in the cdk5 pathway, which aids with learning process, bearing alterations in the dopamine pathway. Transmission cause major out breaks enforcing epidemic spread. The revelation of this apparent human-ATCV-1 association led us to conduct further investigations in humans and in mice by using high throughput sequencing methods, PCR procedures, and immunological analyses leading to bewildering facts.

Keywords: cdk pathway, Dopamine pathway, Immunological analyses

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