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Newcastle disease virus (NDV)- based therapy has been reported to be of benefit in clinical studies, but results are considered inconclusive. Study designs were weak and the study reports were generally incomplete. Get detailed information about NDV use in **cancer** in this summary for clinicians.

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Newcastle disease virus (NDV) is a **virus** that replicates more quickly in human **cancer** cells than in normal human cells and can kill these host cells. NDV can be used to directly kill **cancer** cells, or it can be given as a **cancer** vaccine. The results of clinical trials (research studies with people) of NDV as a **cancer treatment** have not proved that it works.

Newcastle Disease Virus - National Cancer Institute

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Newcastle disease virus (NDV) as a **cancer treatment** has been studied in humans, but has not been proven to stop or kill **cancer**. The US Food and Drug Administration has not approved NDV as a **treatment** for **cancer**. Learn more about use of NDV for **cancer** in this expert-reviewed summary.

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Nov 02, 2016 · General Information. Information presented in this section about the use of **Newcastle disease virus** (NDV) in the **treatment** of human **cancer** is summarized in Table 1 below.. NDV is a paramyxovirus that causes **Newcastle disease** in a wide variety of birds (most notably in chickens) [1-

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Scientific name: Newcastle

Genus: Avulavirus

Family: Paramyxoviridae

Order: Mononegavirales

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disease

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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 49190

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Application of Newcastle disease virus in the treatment of colorectal cancer

Song H *et al.* Treatment with NDV in CRC

Hui Song, Li-Ping Zhong, Jian He, Yong Huang, Yong-Xiang Zhao

Abstract

Colorectal cancer (CRC) is one of the main reasons of tumor-related death worldwide. At present, the main treatment is surgery, but the results are unsatisfactory, and the prognosis is poor. The majority of patients die due to liver or lung metastasis or recurrence. In recent years, great progress has been made in the field of tumor gene therapy, providing a new treatment for combating CRC. As oncolytic viruses (OVs) selectively replicate almost exclusively in the cytoplasm of tumor cells and do not require integration into

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General Information. Information presented in this section about the use of **Newcastle disease virus** (NDV) in the treatment of human **cancer** is summarized in Table 1 below.. NDV is a paramyxovirus that causes **Newcastle disease** in a wide variety of birds (most notably, in chickens).[1-3] This often fatal **disease** is characterized by inflammation of respiratory tract and of either the brain or the ...

Author: Pdq Integrative Publish Year: 2016

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This **cancer** information summary provides an overview of the use of **Newcastle disease virus** (NDV) as a treatment for people with **cancer**. The summary includes a brief history of NDV research, a review of laboratory and animal studies, the results of clinical trials, and possible side effects of ...

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Virulent Newcastle disease

Contagious Viral Bird Disease

Virulent Newcastle disease, formerly exotic Newcastle disease, is a contagious viral bird disease affecting many domestic and wild avian species; it is transmissible to humans. Its effects are most notable in domestic poultry due to their high susceptibilit... +



Scientific name: Newcastle disease virus

Genus: Avulavirus

Family: Paramyxoviridae

Order: Mononegavirales

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This PDQ cancer information summary has current information about the use of Newcastle disease virus in the treatment of people with cancer. It is meant to inform and help patients, families, and caregivers. It does not give formal guidelines or recommendations for making decisions about health care.

Virulent Newcastle disease

Contagious Viral Bird Disease



Virulent Newcastle disease, formerly exotic Newcastle disease, is a contagious viral bird disease affecting many domestic and wild avian species; it is transmissible to humans. Its effects are most notable in domestic poultry due to their high susceptibilit... +

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