

## The Clinical Potential Of Interferons Treatment Of Viral Diseases And Malignant Tumors Treatment Of Viral Diseases

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### The Clinical Potential Of Interferons

See ClinicalTrials.gov for a list of ongoing clinical trials for interferon and COVID-19. Adverse Effects. The most frequent adverse effects of interferon alfa include flu-like symptoms, nausea, fatigue, weight loss, hematological toxicities, elevated transaminases, and psychiatric problems (e.g., depression and suicidal ideation).

### Interferons | Coronavirus Disease COVID-19

Clinical Implications of Interferon NABs. Whether NABs conclusively diminish or abrogate the therapeutic effects of beta-interferons has been a subject of much debate [8]. Nevertheless, it appears that persistently high NAb titers are associated with a negative impact upon the therapeutic effects of beta-interferons [9,19,25,30,38].

### Download PDF Clinical potential of interferons by ...

Interferons are proteins that are part of your natural defenses. They tell your immune system that germs or cancer cells are in your body. And they trigger killer immune cells to fight those...

### Your Guide to Interferons - WebMD

Interferon beta-1a, currently in use to treat multiple sclerosis, and interferon alfa-2b are both under investigation as potential treatments for people with COVID-19 coronavirus disease, the deadly respiratory pandemic caused by the SARS-nCoV-2 virus.

### Interferon: Autoimmune Drugs for Potential COVID-19 Treatment

Get this from a library! The clinical potential of interferons : treatment of viral diseases and malignant tumors : proceedings of the International Conference on Clinical Potentials of Interferons in Viral Diseases and Malignant Tumors, held December 2-4, 1980. [Reisaku Kōno; J Vilček;]

### The clinical potential of interferons : treatment of viral ...

Type 1 interferons have a broad antiviral activity in vitro and are currently evaluated in a clinical trial to treat MERS-CoV. In this review, we discuss preliminary data concerning the potential ...

### (PDF) Type 1 interferons as a potential treatment against ...

Type 1 interferons have a broad antiviral activity in vitro and are currently evaluated in a clinical trial to treat MERS-CoV. In this review, we discuss preliminary data concerning the potential activity of type 1 interferons on SARS-CoV-2, and the relevance of evaluating these molecules in clinical trials for the treatment of COVID-19.

### Type 1 interferons as a potential treatment against COVID-19

So far, only a few agents have been approved for clinical treatment of HBV infection including two formulations of interferon (interferon a and pegylated interferon a-2a) and five nucleos(t)ide ...

### Clinical uses of interferons | Request PDF

Interferons are a group of signaling proteins made and released by host cells in response to the presence of several viruses. In a typical scenario, a virus-infected cell will release interferons causing nearby cells to heighten their anti-viral defenses. IFNs belong to the large class of proteins known as cytokines, molecules used for communication between cells to trigger the protective defenses of the immune system that help eradicate pathogens. Interferons are named for their ability to "int

### Interferon - Wikipedia

SUMMARY Tremendous progress has been made in understanding the molecular basis of the antiviral actions of interferons (IFNs), as well as strategies evolved by viruses to antagonize the actions of IFNs. Furthermore, advances made while elucidating the IFN system have contributed significantly to our understanding in multiple areas of virology and molecular cell biology, ranging from pathways ...

### Antiviral Actions of Interferons | Clinical Microbiology ...

Table 2a. Potential Antiviral Agents Under Evaluation for Treatment of COVID-19: Clinical Data to Date. Last Updated: July 17, 2020. Information presented in this table may include data from preprints or articles that have not been peer reviewed. This table will be updated as new information becomes available.

### Table 2a Potential Antiviral Agents Clinical Data ...

Under this scenario, interferon (IFN)  $\beta$ -1a, whose antiviral potential is already known, and which is a drug currently used in the clinical management of multiple sclerosis, may represent as a potential candidate.

### Interferon- $\beta$ -1a Inhibition of Severe Acute Respiratory ...

Clinical investigations in patients with COVID-19 has shown a strong upregulation of cytokine and interferon production in SARS-CoV2- induced pneumonia, with an associated cytokine storm syndrome.

### COVID-19: Pathogenesis, cytokine storm and therapeutic ...

Know the risks and potential benefits of clinical studies and talk to your health care provider before participating. ... (Abidol Hydrochloride, Abidol Hydrochloride Combined With Interferon Atomization) in the Treatment of 2019-nCoV Pneumonia. Actual Study Start Date :

### A Prospective/Retrospective, Randomized Controlled Clinical ...

Interferon- $\gamma$  is a cytokine whose biological activity is conventionally associated with cytostatic/cytotoxic and antitumor mechanisms during cell-mediated adaptive immune response. It has been used clinically to treat a variety of malignancies, albeit with mixed results and side effects that can be severe.

### The Two Faces of Interferon- $\gamma$ in Cancer | Clinical Cancer ...

Serious potential side effects include anaphylactic shock, a severe allergic reaction, stomach pain and swelling, extreme fatigue, diarrhea, nausea, vomiting, confusion, back pain, and loss of consciousness. Interferon treatments and other types of gene therapy are very exciting for researchers

and for patients living with mesothelioma.

**Interferon Alfa-2b Clinical Trials | Mesothelioma.net**

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**Clinical Aspects of Interferons / Edition 1 by Michel ...**

A report in this issue of Clinical Infectious Diseases from Professor Kwok-Yung Yuen and colleagues demonstrates that SARS-CoV-2 induces very weak expression of interferons (IFNs) in infected cells [ 3 ]. This absence of IFN production likely hampers the early innate immune response to SARS-CoV-2 infection.

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