

**Name of Journal:** *World Journal of Virology*

**Manuscript NO:** 59595

**Manuscript Type:** REVIEW

**Emerging Therapeutics in the Management of COVID-19**

COVID-19 Therapeutics

### Abstract

**Background:** The SARS-CoV-2 (COVID-19) pandemic has placed a tremendous burden on healthcare systems globally. Therapeutics for treatment of the virus are extremely inconsistent due to the lack of time evaluating drug efficacy in clinical trials. Currently, there is a deficiency of published literature that comprehensively discusses all therapeutics being considered for the treatment of COVID-19.

**Methods:** A review of the literature was performed for articles related to therapeutics and clinical trials in the context of the current COVID-19 pandemic. We used PubMed,

Google Scholar, and Clinicaltrials.gov to search for articles relative to the topic of

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## Emerging therapeutics for the management of COVID 19

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Emerging therapeutics for the management of COVID 19 The development of novel molecules and vaccines has been a challenge during this urgent crisis. **Nucleoside analogues** and **IL-6 receptor antagonists** have been identified as the best candidates for treatment of this disease.

**Author:** Sujit Kumar Debnath, Rohit Srivastava, ... **Publish Year:** 2020

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## Therapeutic Management | COVID-19 Treatment Guidelines

<https://www.covid19treatmentguidelines.nih.gov/therapeutic-management> ▾

Oct 09, 2020 · A number of investigational agents and drugs that are approved for other indications are currently being studied in clinical trials for the **treatment of COVID-19** and associated complications. Data from randomized controlled trials, prospective and retrospective observational cohorts, and case series studies are rapidly **emerging**. The **COVID-19 Treatment Guidelines Panel** (the Panel) continues ...

## BioAegis Therapeutics Expands Phase 2 COVID-19 Treatment ...

<https://www.globenewswire.com/news-release/2020/11/...> ▾

Nov 16, 2020 · BioAegis' Phase 2 clinical trial of recombinant human plasma gelsolin (rhu-pGSN) for the treatment of severe **COVID-19** was initiated in August in Spain where **COVID-19** cases were spiking.

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Dec 03, 2020 · There are insufficient data for the Panel to recommend either for or against the use of remdesivir for the treatment of COVID-19. The Panel recommends against the use of **dexamethasone** (AI) or other corticosteroids for the treatment of COVID-19 (AIII) unless a patient has another clinical indication for **corticosteroid therapy**.

## What is the impact of COVID-19 pandemic upon therapeutics ...

<https://www.aacc.org/science-and-research/> ... ▼

Dec 01, 2020 · When **COVID-19** struck, the U.S. was already in the grip of the drug-overdose crisis, and unfortunately it has gotten worse during these unprecedented times. Counties in states spanning the country, from Washington to Arizona and Florida, are reporting rising drug fatalities this year, according to data collected by The Wall Street Journal (5).

## More Than 500 Therapeutics Being Investigated for COVID-19

<https://www.pharmacytimes.com/interviews/more-than...> ▼

Nov 18, 2020 · **Remdesivir** (**Veklury**, Gilead Sciences) was the first drug approved in the United States, indicated for hospitalized patients with COVID-19. **Haydock** said trials showed a reduction in recovery



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## COVID-19 Therapeutics Prioritized for Testing in Clinical ...

<https://www.nih.gov/research-training/medical...> ▾

Dec 04, 2020 · Working in an unprecedented timeframe, the ACTIV public-private partnership has evaluated hundreds of available **therapeutic** agents with potential application for **COVID-19**, prioritized the most promising candidates, designed and harmonized **five adaptive master protocols** for ACTIV clinical trials, and selected numerous NIH-supported networks to launch these clinical trials to test prioritized **therapeutic** ...

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