

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 56177

**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Study*

**Clinical efficacy of tocilizumab treating severe and critical patients with COVID-19**

Zeng J *et al.* Tocilizumab treats severe and critical patients with COVID-19

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**Abstract**

BACKGROUND

The main pathophysiological basis of coronavirus disease 2019 (COVID-19) causing

### Match Overview



1

Crossref 27 words

Tanaka, Toshio, Masashi Narazaki, and Tadamitsu Kishir ...  
oto. "Immunotherapeutic implications of IL-6 blockade for c

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国内版

国际版

Clinical efficacy and analysis of tocilizumab in the treatment of s



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## Effective treatment of severe COVID-19 patients with ...

<https://www.pnas.org/content/early/2020/04/27/2005615117> ▼

Apr 29, 2020 · In this **study**, we prospectively observed **tocilizumab** in treating **severe** or **critical** COVID-19 **patients** using historical data to see if IL-6 plays a pivot role in the pathogenesis and the **efficacy** of the **tocilizumab** interference of IL-6 in order to provide a ...

## Effective treatment of severe COVID-19 patients with ...

<https://www.pnas.org/content/pnas/early/2020/04/27/2005615117.full.pdf> ▼

inhibitor, in **treatment** of 21 **patients** with **severe and critical** COVID-19. **Clinical** data showed that the symptoms, hypoxxygenmia, and CT opacity changes were improved immediately after the **treatment** with **tocilizumab** in most of the **patients**, suggesting that **tocilizumab** could be an efficient therapeutic for the **treatment** of COVID-19.

## Efficacy of Tocilizumab on Patients With COVID-19 - Full ...

<https://clinicaltrials.gov/ct2/show/NCT04356937> ▼

**Efficacy of Tocilizumab on Patients With COVID-19** The safety and scientific validity of this **study** is the responsibility of the **study** sponsor and investigators. Listing a **study** does not mean it has been evaluated by the U.S. Federal Government.

## Tocilizumab Treatment in Patients With COVID-19 - Full ...

<https://www.clinicaltrials.gov/ct2/show/NCT04363853> ▼

Apr 27, 2020 · **Tocilizumab Treatment in Patients With COVID-19** The safety and scientific validity of this **study** is the responsibility of the **study** sponsor and investigators. Listing a **study** does not mean it has been evaluated by the U.S. Federal Government.

## Tocilizumab treatment in COVID-19: A single center experience

[https://www.researchgate.net/publication/340480525\\_Tocilizumab\\_treatment\\_in\\_COVID-19\\_A...](https://www.researchgate.net/publication/340480525_Tocilizumab_treatment_in_COVID-19_A...)

**Tocilizumab** is a promising drug in treatment of COVID-19 disease in patients with severe illness





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## Effective Treatment of Severe COVID-19 Patients With ...

<https://pubmed.ncbi.nlm.nih.gov/32350134>

No obvious adverse reactions were observed. All patients have been discharged on average 15.1 d after giving tocilizumab. Preliminary data show that tocilizumab, which improved the clinical outcome immediately in severe and critical COVID-19 patients, is an effective treatment to reduce mortality.

Cited by: 359

Author: Xiaoling Xu, Mingfeng Han, Tiantian Li, W...

Publish Year: 2020

## Efficacy of Tocilizumab on Patients With COVID-19 - Full ...

<https://clinicaltrials.gov/ct2/show/NCT04356937> ▼

Apr 22, 2020 - We hypothesize that, as compared to placebo, tocilizumab will reduce transfer to the ICU, need for mechanical ventilation, increase rates of hospital discharge in patients diagnosed with severe COVID-19 infection and evidence of exaggerated inflammatory response. Condition or disease.

## Effective treatment of severe COVID-19 patients with ...

<https://www.pnas.org/content/117/20/10970> ▼

May 19, 2020 - In summary, tocilizumab effectively improve clinical symptoms and represses the deterioration of severe COVID-19 patients. Therefore, tocilizumab is an effective treatment in severe patients of COVID-19, which provided a therapeutic strategy for this fatal infectious disease.

Cited by: 359

Author: Xiaoling Xu, Mingfeng Han, Tiantian Li, W...

Publish Year: 2020

## Safety and Efficacy of Tocilizumab in Moderate to Severe ...

<https://clinicaltrials.gov/ct2/show/NCT04403685> ▼

The trial evaluates the efficacy and safety of Tocilizumab, which rapidly reduces the inflammation process through inhibition of IL-6 in patients with moderate to severe COVID-19 with increased inflammatory markers. There will be two arms in the trial, one receiving the best supportive care, and the other receiving it plus tocilizumab.

## Tocilizumab for the Treatment of Severe Coronavirus ...

<https://pubmed.ncbi.nlm.nih.gov/32369191>

Tocilizumab, an interleukin-6 inhibitor, may ameliorate the inflammatory manifestations associated with severe coronavirus disease 2019 (COVID-19) and thus improve clinical outcomes. This was a



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## Coronavirus (COVID-19) treatment

...

## Vaccine projects

Preclinical Phase I Phase II Phase III Approved

**139** **18** **2** **6** **0**

WHO: Vaccines landscape

<https://www.who.int/publications/m/item/draft-landscape-of-covid-19-candidate-vaccines>

Over 400 [vaccines and treatments](#) are under study as researchers rush to produce effective medicines for the disease, [according to reports](#).

While [health organizations](#) say no medicines are yet available to prevent or cure the coronavirus, some home remedies may alleviate mild symptoms. Patients with more serious symptoms such as trouble breathing, chest pain, or bluish lips or face should seek emergency medical care. The most effective ways to protect yourself and others are to:

- Clean your hands frequently and thoroughly
- Avoid touching your eyes, mouth, and nose
- Cover your cough with the bend of elbow or tissue
- Maintain a distance of at least 6 feet from others

Wearing a mask or face covering is no substitute for these effective measures.

WebMD: Latest on vaccines

<https://www.webmd.com/lung/news/20200610/covid-19-latest-updates>

NYT: Coronavirus vaccine tracker

<https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>

## Beijing cases

Updated Aug 5 at 3:01 PM local

Confirmed

929

Deaths

9

Recovered

881

## China (mainland) cases

Updated Aug 5 at 3:01 PM local

Confirmed

84,491

+27

Deaths

4,634

Recovered

79,047

+17

See breakdown ▾

## Global cases

Updated Aug 5 at 3:01 PM local

Confirmed

18,445,787

+249,566

Deaths

691,740

+2

Recovered

11,036,083

+183,472

See breakdown ▾

## Confirmed cases

