

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 57351

Manuscript Type: REVIEW

Effect of a fever in viral infections – the ‘Goldilocks’ phenomenon?

Fever in viral infections

Abstract

Acute infections, including those due to Coronaviridae and other viruses, often stimulate a febrile response. A mild fever appears to improve outcome; it appears to diminish viral replication by several mechanisms, including virion entry into host cells and genome transcription, and improving host defence mechanisms against the pathogen. However, a fever may also damage host cellular and tissue function and increase metabolic demands. At temperatures at the lower end of the febrile range, the benefit of the fever appears to outweigh the detrimental effects. However, at higher

Match Overview

1	Internet 103 words crawled on 18-Nov-2020 ccforum.biomedcentral.com	3%
2	Internet 42 words www.ncbi.nlm.nih.gov	1%
3	Internet 41 words crawled on 25-Mar-2014 www.plosone.org	1%
4	Internet 22 words crawled on 15-Jul-2020 www.sryahwapublications.com	1%
5	Internet 22 words crawled on 16-Jul-2020 cofactor.io	1%
6	Crossref 21 words Edward James Walter, Mike Carraretto. "The neurological ... and cognitive consequences of hyperthermia", Critical Car	1%
7	Internet 16 words crawled on 06-Mar-2020 www.news-medical.net	<1%
8	Internet 15 words crawled on 09-May-2020 www.nature.com	<1%

The effect of a fever in viral infections – the 'Goldilocks' phenomenon X



ALL

IMAGES

VIDEOS

1,200,000 Results

Any time ▼

[Fever: pathogenesis, pathophysiology, and purpose](https://pubmed.ncbi.nlm.nih.gov/223485)

<https://pubmed.ncbi.nlm.nih.gov/223485>

Fever appears to have evolved in vertebrate hosts as an adaptive mechanism for controlling **infection**. This **phenomenon** is produced by certain exogenous (largely microbial) stimuli that activated bone-marrow-derived phagocytes to release a **fever**-inducing ...

[Listening to the body: Study examines the effects of ...](https://www.sciencedaily.com/releases/2016/09/160920104307.htm)

<https://www.sciencedaily.com/releases/2016/09/160920104307.htm> ▼

Sep 20, 2016 · The findings provide support for the old adage "Starve a **fever**, feed a cold"; however, the authors caution that this should not be taken literally, as **the effect** may depend on the specific **infection**.

[Cracking the Fever-Autism Mystery | Harvard Medical School](https://hms.harvard.edu/news/cracking-fever-autism-mystery)

<https://hms.harvard.edu/news/cracking-fever-autism-mystery> ▼

Dec 18, 2019 · The **fever phenomenon** has been documented in at least two large-scale studies over the past 15 years, but the reasons behind it have continued to mystify scientists. Now, a new study by researchers at Harvard Medical School and MIT sheds light on the cellular mechanisms that appear to underlie this **phenomenon**.

PEOPLE ALSO ASK

Why is fever effect more common in children? ▼

What is the mechanism of fever? ▼

Can antibiotics cause fever in children? ▼

Is seasonality a viral disease? ▼

Effect of a fever in viral infections – the ‘Goldilocks’ phenomenon?



ALL

IMAGES

VIDEOS

585,000 Results

Any time ▼

Fever: pathogenesis, pathophysiology, and purpose

<https://pubmed.ncbi.nlm.nih.gov/223485>

Fever appears to have evolved in vertebrate hosts as an adaptive mechanism for controlling **infection**. This **phenomenon** is produced by certain exogenous (largely microbial) stimuli that activated bone-marrow-derived phagocytes to release a **fever**-inducing ...

Cited by: 239

Author: H A Bernheim, L H Block, E Atkins

Publish Year: 1979

Listening to the body: Study examines the effects of ...

<https://www.sciencedaily.com/releases/2016/09/160920104307.htm> ▼

Sep 20, 2016 · The findings provide support for the old adage "Starve a **fever**, feed a cold"; however, the authors caution that this should not be taken literally, as the **effect** may depend on the specific **infection**.

Fever in the Elderly | Clinical Infectious Diseases ...

<https://academic.oup.com/cid/article/31/1/148/318030> ▼

Jul 01, 2000 · There is ample evidence that a blunted **fever** response to a serious bacterial, **viral**, or fungal **infection** suggests a poorer prognosis than does a robust **fever** response . In addition, there is a substantial body of data, mostly from animal models, that **fever**—through its **effects** on immune function—may be an important host defense mechanism [14].

Cited by: 284

Author: Dean C. Norman

Publish Year: 2000

PEOPLE ALSO ASK

Is seasonality a viral disease?

ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

570,000 Results

Any time ▾

[Fever: pathogenesis, pathophysiology, and purpose](https://pubmed.ncbi.nlm.nih.gov/223485)

<https://pubmed.ncbi.nlm.nih.gov/223485>

Fever appears to have evolved in vertebrate hosts as an adaptive mechanism for controlling **infection**. This **phenomenon** is produced by certain exogenous (largely microbial) stimuli that activated bone-marrow-derived phagocytes to release a **fever**-inducing ...

Cited by: 238

Author: H A Bernheim, L H Block, E Atkins

Publish Year: 1979

[Viral Fever: Symptoms, Causes, Diagnosis, Treatment, and ...](https://www.healthline.com/health/viral-fever)

<https://www.healthline.com/health/viral-fever> ▾

Jul 31, 2018 · A **viral fever** is any **fever** that's caused by an underlying **viral** illness. A variety of **viral infections** can affect humans, from the common cold to the flu. A low-grade **fever** ...

[Listening to the body: Study examines the effects of ...](https://www.sciencedaily.com/releases/2016/09/160920104307.htm)

<https://www.sciencedaily.com/releases/2016/09/160920104307.htm> ▾

Sep 20, 2016 · The findings provide support for the old adage "Starve a **fever**, feed a cold"; however, the authors caution that this should not be taken literally, as the **effect** may depend on the specific **infection**.

PEOPLE ALSO ASK

Can a viral infection cause a higher fever? ▾

What is the treatment for Viral Fever? ▾

What do you need to know about viral fever? ▾

How do doctors diagnose Viral Fever? ▾