



Match Overview

1 Internet 64 words
crawled on 17-Jan-2020
jtd.amegroups.com 5%

Name of Journal: *World Journal of Diabetes*
Manuscript NO: 52907
Manuscript Type: EDITORIAL

Hydrocortisone, ascorbic acid and thiamine for sepsis: Is the jury out?

Marik PE *et al.* Vitamin C in sepsis

Paul Ellis Marik, Joseph Varon, Salim R Surani

Abstract

Sepsis and septic shock remain a major cause of morbidity and mortality among patients admitted in the intensive care unit. Diabetes is a major risk factor for the development of sepsis. The global mortality of sepsis remains high, despite significant interventions and guidelines. It has been known for decades that patients with sepsis have reduced levels of antioxidants, most notably vitamin C. Furthermore, experimental data has demonstrated multiple beneficial effects of vitamin C in sepsis. In addition, corticosteroids and thiamine may have synergistic biological effects together with vitamin C. Preliminary data suggests that therapy with hydrocortisone, ascorbic acid and thiamine improves the outcome of patients with sepsis with the potential to save millions of lives. However, this intervention has met with much resistance and has not been widely adopted. Ultimately, we await the final jury verdict on this simple, safe and cheap intervention





Hydrocortisone, ascorbic acid and thiamine for sepsis: Is th



ALL

IMAGES

VIDEOS

关闭取词

40,000 Results

Any time ▾

Preliminary data suggests that the combination of **Hydrocortisone, Ascorbic Acid and Thiamine** (HAT therapy) may reduce organ failure and mortality in patients with **sepsis** and **septic** shock.

[Hydrocortisone, Ascorbic Acid and Thiamine \(HAT Therapy ...](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC6265973/

Was this helpful?



[Ascorbic acid, corticosteroids, and thiamine in sepsis: a ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/30373647>

Oct 29, 2018 · Finally, we describe the current state of current clinical practice as it relates to the **thiamine, ascorbic acid, and hydrocortisone** combination and present an overview of the randomized, placebo-controlled, multi-center **Ascorbic acid, Corticosteroids, and Thiamine in Sepsis** (ACTS) trial and other planned/ongoing randomized clinical trials.

Cited by: 18

Author: Ari Moskowitz, Lars W. Andersen, Lars...

Publish Year: 2018

[Hydrocortisone, Ascorbic Acid and Thiamine \(HAT Therapy ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6265973>

Nov 14, 2018 · **Hydrocortisone, Ascorbic Acid, and Thiamine** (HAT) in Combination The overlapping **anti-inflammatory** properties of **glucocorticoids** and **vitamin C** reduce the production of **pro-inflammatory mediators** and ROS, which are associated with **endothelial injury, mitochondrial damage**, and organ failure characteristic of **sepsis** (see Figure 1).

Cited by: 10

Author: Paul E. Marik

Publish Year: 2018

国内版 国际版

Hydrocortisone, ascorbic acid and thiamine for sepsis: Is the ju

ALL IMAGES VIDEOS

关闭取词

39,500 Results Any time

Preliminary data suggests that the combination of **Hydrocortisone**, **Ascorbic Acid and Thiamine** (HAT therapy) may reduce organ failure and mortality in patients with **sepsis** and **septic** shock.

Hydrocortisone, Ascorbic Acid and Thiamine (HAT Therapy ...
www.ncbi.nlm.nih.gov/pmc/articles/PMC6265973/

Was this helpful?

Hydrocortisone, Vitamin C, and Thiamine for the Treatment ...

[https://journal.chestnet.org/article/S0012-3692\(16\)62564-3/fulltext](https://journal.chestnet.org/article/S0012-3692(16)62564-3/fulltext)

Feb 03, 2017 · Google Scholar See all References This finding is in keeping with clinical studies suggesting that **hydrocortisone** and vitamin C alone have little impact on the clinical outcome of patients with **sepsis**. 16 x 16 Fowler, A.A., Syed, A.A., Knowlson, S. et al. Phase 1 safety trial of intravenous **ascorbic acid** in patients with severe **sepsis**.

Cited by: 254 Author: Paul E. Marik, Vikramjit Khangoora, Racq...

Publish Year: 2017

PDF (505 Kb) · Abstract