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Minocycline fails to improve neurologic and histologic outcor



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Ventricular fibrillation-induced cardiac arrest in the rat ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3811953>

Oct 01, 2013 · In this study, we attempted to develop a modified, simple and reliable **ventricular fibrillation**-induced **cardiac arrest** model in rats that mimics the "square wave" type of insult (rapid loss of pulse and pressure) commonly observed in adult humans at the onset of CA.

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Author: Kunjan R. Dave, David Della-Morte, Isab...

Publish Year: 2013

2014 Best of Meeting Abstract Award Finalists and Winners ...

<https://iars.org/2014-best-of-meeting-abstract-award-finalists-and-winners> ▾

Minocycline Fails to Improve Neurologic and Histologic Outcome after Ventricular Fibrillation Cardiac Arrest in Rats Tomas Drabek, MD, PhD University of Pittsburgh Pittsburgh, Pennsylvania.

Glibenclamide Is Comparable to Target Temperature ...

<https://www.ahajournals.org/doi/10.1161/JAHA.116.003465>

Survivors from out-of-hospital **cardiac arrest** (OHCA) are still facing high risks of death and disability. 1 Target temperature management (TTM), also known as therapeutic hypothermia, is the only approach proven **to improve outcome after ventricular fibrillation**-induced OHCA. 2, 3, 4 Despite that, the efficacy of TTM on comatose adult ...

Cited by: 9

Author: Kaibin Huang, Ziyue Wang, Yong Gu, Ya...

Publish Year: 2016

Nitrite pharmacokinetics, safety and efficacy after



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The association between hyperoxia and patient outcomes ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4337386>

The association between hyperoxia and patient **outcomes after cardiac arrest**: Analysis of a high-resolution database Jonathan Elmer , 1, 2 Michael Scutella , 3 Raghevesh Pullalarevu , 4 Bo Wang , 2 Nishit Vaghasia , 4 Stephen Trzeciak , 5 Bedda L. Rosario-Rivera , 6 Francis X. Guyette , 2 Jon C. Rittenberger , 2 and Cameron Dezuflian 1, * , for ...

Cited by: 87

Author: Jonathan Elmer, Michael Scutella, Raghe...

Publish Year: 2015

Tomas Drabek Wins International Anesthesia Research ...

www.safar.pitt.edu/...drabek-wins-international-anesthesia-research-society-abstract-award ▼

The abstract “Minocycline Fails to Improve Neurologic and **Histologic Outcome after Ventricular Fibrillation Cardiac Arrest in Rats**” submitted by Safar Center Scientist, Tomas Drabek MD, PhD, was awarded “Best in Category” for Critical Care, Trauma, and Resuscitation at the **International Anesthesia Research Society’s** (IARS) Annual Meeting and International Science Symposium.

Mild Resuscitative Hypothermia to Improve Neurological ...

<https://www.ahajournals.org/doi/full/10.1161/01.str.31.1.86>

In a study by Kuboyama et al 54 using a **ventricular fibrillation cardiac arrest dog** model, the **benefit of mild resuscitative cerebral hypothermia** was diminished if not induced immediately with reperfusion **after cardiac arrest**. A **delay** of 15 minutes in initiation of **cooling after reperfusion** may not **improve functional outcome**, although it may slightly decrease tissue damage.

Cited by: 371

Author: Andrea Zeiner, Michael Holzer, Fritz Ster...

Publish Year: 2000

(PDF) Extracorporeal Life Support Increases Survival After ...

https://www.researchgate.net/publication/317285947_Extracorporeal_Life_Support...

Extracorporeal Life Support Increases Survival **After Prolonged Ventricular Fibrillation Cardiac Arrest** in the Rat Article (PDF Available) in Shock (Augusta, Ga.) 48(6) · May 2017 with 43 Reads



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Ventricular fibrillation-induced cardiac arrest in the rat ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3811953>

Oct 01, 2013 · The systolic pressure, **diastolic pressure**, and mean **arterial blood pressure** before, during, and **after ventricular fibrillation** (VF). The mean arterial pressure drastically decreased to 0 mmHg upon induction of VF. **Systolic pressure** and diastolic pressure...

Cited by: 10

Author: Kunjan R. Dave, David Della-Morte, Isabe...

Publish Year: 2013

2014 Best of Meeting Abstract Award Finalists and Winners ...

<https://iars.org/2014-best-of-meeting-abstract-award-finalists-and-winners> ▼

Minocycline Fails to Improve Neurologic and Histologic Outcome after Ventricular Fibrillation Cardiac Arrest in Rats Tomas Drabek, MD, PhD University of Pittsburgh Pittsburgh, Pennsylvania

Mild Resuscitative Hypothermia to Improve Neurological ...

<https://www.ahajournals.org/doi/full/10.1161/01.str.31.1.86>

Mild cerebral hypothermia during and after cardiac arrest improves neurologic outcome in dogs. J Cereb Blood Flow Metab. 1990; 10:57–70. Crossref Medline Google Scholar; 15 Sterz F, Safar P, Tisherman S, Radovsky A, Kuboyama K, Oku K. **Mild hypothermic cardiopulmonary resuscitation improves outcome after prolonged cardiac arrest** in dogs.

Cited by: 358

Author: Andrea Zeiner, Michael Holzer, Fritz Sterz,...

Publish Year: 2000

Combination of Intravenous Ascorbic Acid Administration ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/acem.12335>

Intravenous administration of ascorbic acid after return of spontaneous circulation in normothermia may **reduce lipid peroxidation** and **myocardial tissue injury** and **improve systolic function**, survival rate, and **neurologic outcomes** in a rat model of **ventricular fibrillation cardiac arrest**.

Cited by: 7

Author: Min-Shan Tsai, Chien-Hua Huang, Chia-Yi...

Publish Year: 2014

14

Name of Journal: *World Journal of Critical Care Medicine***Manuscript NO:** 49921**Manuscript Type:** ORIGINAL ARTICLE

Basic Study

Minocycline fails to improve neurologic and histologic outcome after ventricular fibrillation cardiac arrest in rats

Janata A *et al.* Minocycline in VF CA in rats

Andreas Janata, Ingrid AM Magnet, Kristin L Schreiber, Caleb D Wilson, Jason P Stezoski, Keri Janesko-Feldman, Patrick M Kochanek, Tomas Drabek

Abstract

BACKGROUND

Prolonged cardiac arrest (CA) produces extensive neuronal death and microglial

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