

INPLASY

Hypoxic hepatitis in survivors of cardiac arrest: A Systematic Review and Meta-analysis

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Huang, HB; Gao, YB; Shi, JH; Yu, DX.

Corresponding author:

Hui-Bin Huang

psyc6789@163.com

Author Affiliation:

Department of Critical Care
Medicine, Guang'anmen Hospital,
China Academy of Chinese Medical
Sciences, Beijing 100053, China.

ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Completed but not published.

Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 08 August 2024 and was last updated on 08 August 2024.

INTRODUCTION

Review question / Objective We aimed to conduct a systematic review and meta-analysis to explore the incidence of HH in survivors after CA and the impact on the prognosis.

Condition being studied The research team comes from the Department of Critical Care Medicine of a tertiary hospital in China, and all the team members have perfect clinical experience in critical care and resuscitation. Moreover, our team members have published more than 30 meta-analyses, which can guarantee the successful completion of the current research.

METHODS

Participant or population Post-CA patient.

Intervention Post-CA patient with hypoxic hepatitis.

Comparator Post-CA patient without hypoxic hepatitis.

Study designs to be included RCT, cohort.

Eligibility criteria Studies were included if they focused on adult CA patients with HH compared to controls and had a clear definition of HH.

Information sources Pubmed, Embase, Cochrane and Cochrane Library.

Main outcome(s) Mortality.

Quality assessment / Risk of bias analysis Newcastle-Ottawa Scale was used.

Strategy of data synthesis Meta-analysis.

Subgroup analysis (1) OHCA%: 100% or <100%; (2) SR%: $\geq 50\%$ or <50; and (3) Design: single-center study vs. multi-center study, and (4) location: Europe or Asia.

Sensitivity analysis None.

Country(ies) involved China.

Keywords Hypoxic hepatitis; cardiac arrest; mortality; neurological outcome; meta-analysis.

Contributions of each author

Author 1 - Hui-Bin Huang.

Email: psyc6789@163.com

Author 2 - Ya-bei Gao.

Author 3 - Jia-Heng Shi.

Author 4 - Da-xing Yu.