Visual Abstracts in JAMA

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JAMA Network
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Visual Abstract in JAMA

Goals

• Provide a visual summary of the article
• Increase engagement on social media and website
• Provide as a service for authors

Question: Does early prophylactic hypothermia improve long-term neurologic outcomes in patients with severe traumatic brain injury (TBI)?

Conclusion: These findings do not support the use of early prophylactic hypothermia in patients with severe TBI.

Population
401 Men
99 Women
Patients with severe TBI recruited from out-of-hospital and emergency department settings
Mean age: 34.5 years (SD, 13.4)

Locations
6 Countries
Pacemakers, agencies, emergency departments, and intensive care units

Intervention
511 Patients randomized
500 Patients analyzed
266 Prophylactic hypothermia (33°C - 35°C)
72 hours to 7 days
Gradual rewarming
245 Control normothermia (37°C)
7 days

Findings
Patients with favorable outcomes
Hypothermia
117 patients
Normothermia
111 patients
Favorable neurologic outcomes or independent living (Glasgow Outcome Scale score at 6 months)

Visual Abstract Project Overview

• Timeline
• Content
• Resources
• Design
• Display in outputs
• Systems
• Workflow
Visual Abstract in JPS Manuscript Tracking System
**Visual Abstract Word Template**

**QUESTION**
Source: Key Points
Preferred maximum word count: ~30 words
What is the effect of an initial airway management strategy using laryngeal tube insertion vs endotracheal intubation on survival among adults with out-of-hospital arrest?

**CONCLUSION**
Source: Key Points; Abstract conclusion. Consider describing whether the results were statistically significant.
Preferred maximum word count: ~50 words
Initial laryngeal tube insertion, compared with endotracheal intubation, was associated with greater likelihood of 72-hour survival.

**POPULATION**
Source: Key Points; Methods; Table of baseline characteristics
No. of Males: 1829
No. of Females: 1173
Eligibility (eg, “Adults who had…?”; preferred word count: ~10-15 words):
Adults with nontraumatic out-of-hospital cardiac arrest
Mean age (with units of measure [years, months] and range): median 64 (IQR, 53-76) years

**LOCATION**
Source: Key Points; Abstract; Methods
Geographic location(s) (countries; regions; states; etc): United States (various sites)
No. of sites: 27 Emergency medical service agencies randomized in 13 clusters

**CONCLUSION**
Initial laryngeal tube insertion, compared with endotracheal intubation, was associated with greater likelihood of 72-hour survival.

**FINDINGS**
72-Hour survival
- Laryngeal tube: 275 Patients
- Endotracheal intubation: 230 Patients

Adjusted difference between groups: 2.9% (95% CI, 0.2% to 5.6%)

This randomized clinical trial compares the effectiveness of initial laryngeal tube insertion vs initial endotracheal intubation performed by emergency medical services in adults with out-of-hospital cardiac arrest.

**Title:** Initial Laryngeal Tube Insertion vs Endotracheal Intubation—Effect on 72-Hour Survival in Adults

**Caption:**

States each year.

emergencies, intubation, aspirating, patients with aspiration.

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</abstract>

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Visual Abstract Online

Original Investigation
August 28, 2018
Effect of a Strategy of Initial Laryngeal Tube Insertion vs Endotracheal Intubation on 72-Hour Survival in Adults With Out-of-Hospital Cardiac Arrest: A Randomized Clinical Trial
Henry E. Wang, MD, MS3-2; Robert H. Schmicker, MS3; Mohamud R. Days, MD, MS4; et al.

Visual Abstract
What is the effect of an initial airway management strategy using laryngeal tube insertion vs endotracheal intubation on survival among adults with out-of-hospital cardiac arrest?
CONCLUSION Initial laryngeal tube insertion, compared with endotracheal intubation, was associated with greater likelihood of 72-hour survival.
Visual Abstract on Social Media

This randomized trial compares the effects of intravenous alteplase vs oral aspirin treatment on functional outcomes in patients with minor nondisabling acute ischemic stroke.

#stroke: https://ja.ma/2N4tybD

Visual Abstracts in JAMA
Response to Visual Abstracts

Andrew M. Ibrahim MD
@AndrewMIBrahim

Thrilled to see @JAMA_current launch their first #VisualAbstract!

JAMA @JAMA_current
In this cluster randomized clinical trial, researchers determined whether a multifaceted quality improvement intervention could improve adherence to evidence-based performance measures in patients with acute ischemic stroke in China. ja.ma/2My3ExF...

8:23 PM - 5 Jul 2018

18 Retweets 76 Likes

Andrew M. Ibrahim MD
@AndrewMIBrahim

Taking it to the next level: @JAMA_current now publishing the #VisualAbstract right alongside the article... #DesignForDissemination

jamanetwork.com/journals/jama/

11:53 AM - 9 Oct 2018

42 Retweets 128 Likes
Thank you

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