

Is 15 Minutes An Appropriate Resuscitation Duration Before Termination Of A Traumatic Cardiac Arrest A Case Control Study

[#traumatic cardiac arrest](#) [#resuscitation duration](#) [#cardiac arrest termination](#) [#15 minute resuscitation](#) [#prehospital resuscitation guidelines](#)

This case control study critically investigates the appropriateness of a 15-minute resuscitation duration before the termination of efforts in patients experiencing traumatic cardiac arrest. The research aims to provide crucial insights that could inform and refine existing prehospital resuscitation guidelines, optimizing patient care and resource allocation in acute trauma scenarios.

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Is 15 Minutes An Appropriate Resuscitation Duration Before Termination Of A Traumatic Cardiac Arrest A Case Control Study

Duration of Resuscitation During In-Hospital Cardiac Arrest - Duration of Resuscitation During In-Hospital Cardiac Arrest by UWDeptMedicine 3,179 views 11 years ago 53 minutes - Dr. Zachary Goldberger, Department of Medicine/Division of Cardiology, UW School of Medicine.

Intro

Outline

Epidemiology

In-Hospital Cardiac Arrest

Reality

Prior Studies: Summary

Problem #1

Problem #3

Next Steps

Thought Experiment

Endpoints

Exclusion Criteria

Median Duration of Resuscitation

Cumulative ROSC, overall

Cumulative ROSC, Presenting Rhythm

Resuscitation duration, non-survivors

Patient-Level Analysis: Summary

Key Concept

Blood Pressure at Seattle Hospitals

Key Question

Hypothesis

Hospital Quartiles

Covariates

Hospital-Level Analysis: Summary

Cerebral Performance Categories

Neurologic Outcome by Rhythm

What might be going on?

Limitations

Cardiac Arrest in the Media

Implications

Potential Overall Benefit

Take Home Points

Acknowledgments

Happy Valentine's Day!

Traumatic Cardiac Arrest - Traumatic Cardiac Arrest by CPDme 10,044 views 6 years ago 53 minutes

- This presentation will **cover Traumatic Cardiac Arrests**, - NO's. This presentation will give an update on the epidemiology, evidence ...

Introduction

Traumatic Cardiac Arrest

Adult Advanced Life Support

Myths

Derriford

Survival

Treatment

Hypoxia

Pneumothorax

Hypovolemia

Tamponade

thoracotomy

team approach

Adrenaline

Chest compressions

Poll results

Guidance

Summary

Questions

Should you actively warm

Red Hill trial

Getting experience in trauma

Blood products

Resource guidelines

Abdominal and junctional tourniquet

Road traffic accident

Thank you

Webinar - Managing Traumatic Cardiac Arrest - Webinar - Managing Traumatic Cardiac Arrest by

Philips Healthcare 6,455 views 3 years ago 1 hour, 17 minutes - Traumatic Cardiac Arrest, is the most urgent, **time**,-critical, life-threatening **trauma**, situation Emergency Medical Service personnel ...

Hypoxia Hypovolaemia

Decision making

Top Cover

Trend analysis

Interventions

Situational awareness

pericardial clot

Traumatic Cardiac Arrest - Traumatic Cardiac Arrest by Cambridge Prehospital Care Programme

4,042 views 4 years ago 1 hour, 36 minutes - via XSplit.

TCA Survival

Luna et al, 1989

Watts et al, 2019

Chest Compressions

Impact Brain Apnoea

TCA response time

TCA is not a single disease...

TCA management - STEP 123

TCA Management - the future?

Haemorrhage

Military Trauma

Survivor Bias

Traumatic Cardiac Arrest- 3rd Quarter OMD Protocol Training 2020 - Traumatic Cardiac Arrest- 3rd Quarter OMD Protocol Training 2020 by Fort Worth Fire Department Training 219 views 3 years ago

24 minutes - Okay everyone so we're going to get started today we're going to talk a little bit about **traumatic cardiac arrest**, so for those of you ...

CPD Webinar: Managing Traumatic Cardiac Arrests - CPD Webinar: Managing Traumatic Cardiac Arrests by CPDme 3,707 views 8 years ago 1 hour, 3 minutes - Presented by Andy Thomas, this webinar will take a brief look at the pre hospital management of **Traumatic Cardiac Arrest**.

Introduction

Historic dogma

Survival rates

London Hems Review

Military Study

Primary Practice

Case Examples

paramedicled resuscitation

EMS joint mission

Post injury

Chest compressions

Reversible causes

Airway in ventilation

Finger thoracostomy

Adrenaline

Blood

European Research Council Guidelines

Start CPR

Penetrating Trauma

Hypervolemia

How can this be applied

Cause reversible causes

Sustain life

TCA triangle

Questions

TXA

Is TXA safe

Flight time

pediatrics

Cardiac arrest, reversible causes and prevention - Cardiac arrest, reversible causes and prevention by Dr. John Campbell 53,621 views 5 years ago 20 minutes - Prevent **cardiac arrest**, by considering the 4 Hs and the 4 Ts. Consider reversible causes of **cardiac arrest**, by considering the 4 Hs ...

Introduction

Reversible causes of cardiac arrest

Prevent cardiac arrest by managing reversible causes

Basic life support (BLS), must be ongoing

Hypoxia Hypovolaemia Hyperkalaemia Hypothermia

Hypoxia - low levels of oxygen in body tissues

Early reversal of hypoxia prevents deterioration

Treat the cause of hypoxia early
'Blue' (cyanosed) hearts don't start
Ventilate with high flow oxygen
Aim for SpO2 of 94 - 98
Hypovolaemia - low blood volume
Haemorrhage (hemorrhage) - loss of blood from the circulatory system
Pulseless electrical activity (PEA arrest)
Death in trauma is commonly caused by blood loss
Hyperkalaemia - high blood potassium (K+)
Hypokalaemia - low blood potassium
Hypoglycaemia - low blood glucose
Hypothermia - low body temperature
No one is dead until they are warm and dead
Thromboembolism Tension pneumothorax Tamponade Toxic substances
Thrombus pathological blood clot in a blood vessel
Coronary arterial thrombosis
Atheroma develops in the disease process of atherosclerosis
ST elevation myocardial infarction (STEMI)
Coronary thrombosis causes myocardial infarction
Pulmonary embolism blocks off a pulmonary artery
Tension pneumothorax (2nd T)
4th T - toxic substances
ROSC - return of spontaneous circulation
Cardiac Arrest - ACLS Review - Cardiac Arrest - ACLS Review by ICU Advantage 1,139,676 views
3 years ago 18 minutes - We continue this series by taking a look at our first ACLS algorithm, the
cardiac arrest, algorithm. This is the one that you will ...
Intro
Cardiac Arrest Algorithm
Left Branch (VF/pVT)
Right Branch (PEA/Asystole)
Recap
Scenario
Conclusion
Traumatic Cardiac Arrest Management with Dr. Michael Downes - Traumatic Cardiac Arrest Manage-
ment with Dr. Michael Downes by The Gurney Room 2,906 views 3 years ago 2 minutes, 34 seconds
- Dr. Downes breaks down the difference between management of **traumatic cardiac arrest**, and
medical **cardiac arrest**,, with an ...
Intro
Medical vs Traumatic Cardiac Arrest
Decompression of the Chest
Pericardial Fusion
The First 15 Minutes - Optimizing Care after ROSC - The First 15 Minutes - Optimizing Care after
ROSC by EM Ottawa 1,605 views 5 years ago 39 minutes - This is a Grand Rounds from the
Department of Emergency Medicine at the University of Ottawa. The presenter is Dr. Peter ...
Multiorgan Dysfunction
Hypotension
Patients arrive hypothermic
CPR in Action | A 3D look inside the body - CPR in Action | A 3D look inside the body by Action First
Aid 10,386,958 views 2 years ago 3 minutes, 19 seconds - This 3D animation was designed to share
life-saving information with the general public to demonstrate the importance of **good**,, ...
Difficult Decisions, Disclosure and Personal Coping in Pediatric Termination of Resuscitation - Difficult
Decisions, Disclosure and Personal Coping in Pediatric Termination of Resuscitation by Norton
Healthcare 146 views 6 years ago 54 minutes - Mary E. Fallat, MD Hirikati S. Nagaraj Professor
Division Chief, Pediatric Surgery University of Louisville School of Medicine ...
Gaps in Knowledge, Competence, Performance, or Patient Outcomes
IS THERE AN AFTERLIFE?
Sympathy my feelings about your situation (feeling sorry for someone)
EREAVEMENT INTERVENTION ROGRAM (BIP) (1994-ongoing)
NRESOLVED ISSUES

OUR NEEDS OF BEREAVED ARENTS

What if the child is doing poorly?

Principles of Death Notification 1. Be absolutely certain of identity of

Talk to media only after discussion with family and/or getting permission from public relations/risk management

CHANGE PATHS?

HEALTHY EXPECTATIONS must be strong for your wife/children

TATE STATISTICS FOR CHILDREN (N-47)

DEFENSE AGAINST A CLAIM OF NEGLIGENCE

VIDEO SIMULATED

THINGS TO DO 1. Provide information about grief

REASONS WHY HUMOR IS A KEY TO CCESS AT WORK (FORBES MAGAZINE)

Trauma Cardiac Arrest - Trauma Cardiac Arrest by Mister Jonathan 4,533 views 3 years ago 4 minutes, 10 seconds - Welcome to the abc course we're going to go through **traumatic cardiac arrest**, hey hello okay we've got no no pulse this is a ...

Post-arrest Care: What Matters Following Cardiac Arrest Resuscitation - Post-arrest Care: What Matters Following Cardiac Arrest Resuscitation by Fralin Biomedical Research Institute 781 views Streamed 2 years ago 1 hour, 11 minutes - Cardiac arrest, strikes over 350000 people each year in the United States. Often an abrupt disease without warning signs, cardiac ...

Timothy a Johnson Medical Scholar Seminar Series

Scenario for a Cardiac Arrest

Challenges in Cardiac Arrest

Targeted Temperature Management

Trials that Randomized Patients after Cardiac Rest

Non-Shockable Rhythms

Temperature Curves

Real World Experience

Why Did Survival Worsen

Should We Cool for Longer

Approach for Post Arrest Management

Did People Still Get Neurogenic Fevers after They Got Cold and Rewarmed

When Do People Wake Up after Cardiac Arrest

Avoiding Early Withdrawal

Who Does or Does Not Need Coronary Catheterization

Cathing Dead People

Ttm Academy

The Wrong Mentor

Cardiac Arrest Survivor

Why Would a Group Go Through with Publishing a Study That Is Underpowered Instead of Waiting To Enroll More Patients

Pediatrics

Do You Think It Takes a Longer Time To Cool Down the Human Body than Experimental Animals Does Cooling Duration Prior to Reaching the Target Temperature Affect Hypothermia Outcome in Patients

Cancer

Waiver of Consent

Symptoms of Sudden Cardiac Arrest | Cedars-Sinai - Symptoms of Sudden Cardiac Arrest |

Cedars-Sinai by Cedars-Sinai 11,315,576 views 8 years ago 1 minute, 39 seconds - Pioneering **research**, led by Sumeet Chugh, MD is shedding light on symptoms related to Sudden **Cardiac Arrest**, that appear in the ...

SWORBHP Termination of Resuscitation - SWORBHP Termination of Resuscitation by sworbhp 930 views 10 years ago 55 minutes - Presented by: Dr. Sameer Mal, PGY-4 Emergency Medicine and EMS Fellow and Stephanie Romano, Regional Paramedic ...

Intro

Objectives

Outline

Case Presentation

Rewind case to last year..

Traumatic Cardiac Arrest

Medical Cardiac Arrest
Termination of Resuscitation
Dangers of Transport..
Field Pronouncement vs. Medical TOR
Clinical Decision Rules
Validation of a rule for TOR in out-of-hospital cardiac arrest
Comparison of TOR guidelines for
Level of Evidence
Prehospital TOR in cases of refractory OHCA
Independent Evaluation of an out- of-hospital TOR CDR
Validation of a universal prehospital TOR CDR for ALS and
Conclusions
Medical TOR in a Public Place
Trauma TOR
Patch Sheet Service Location
The Setup
The Delivery
Words to Use
Post Delivery
Common Errors
References
Concluding Remarks
Simulation Series: Cardiac Arrest - Simulation Series: Cardiac Arrest by LaheyHealth 563,039 views 7 years ago 11 minutes, 37 seconds - Our Emergency Medicine team regularly takes part in simulations that hone their skills and improve patient care. Check out this ...
Blunt Traumatic Cardiac Arrest - Blunt Traumatic Cardiac Arrest by Learn with NUH 2,781 views 3 years ago 14 minutes - Trauma, of the Month Feb 2020 Blunt **Traumatic Cardiac Arrest**, - Sagar Tiwatane, Jake Turner TOTM.
Intro
Traumatic Cardiac Arrest
HOT Protocol
Recommendation 2
Chest Compressions: Hypovolaemic TCA
Recommendation 4
Impact Brain Apnoea: Pathophysiology
Impact Brain Apnoea - Management
Impact Brain Apnoea: Imaging
Take Home
Pitfalls in Traumatic Cardiac Arrest - Pitfalls in Traumatic Cardiac Arrest by EM Note 2,671 views 6 months ago 6 minutes, 11 seconds - Homepage: EMNote.org Pitfalls in the Management of **Traumatic Cardiac Arrest**,. In this lecture, we will discuss 12 pitfalls in the ...
Termination of Resuscitation - Termination of Resuscitation by NEMSMedicalMinutes 300 views 4 years ago 9 minutes, 47 seconds - What about **trauma traumatic cardiac arrest**, and blunt **trauma**, patients usually don't survive. Beyond transporter and survived a ...
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