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EXCELLENCE TODAY IMPROVING TOMORROW



Contents lists available at ScienceDirect

The American Journal of Surgery 2016

journal homepage: www.ajconline.org

CrassMark

Southwestern Surgical Congress

from torso injury occurs long before the "golden hour" Time is the enemy: Mortality in trauma patients with hemorrhage



The University of Texas Realth Science Center at San Antonia, Department of Surgery, Division of Trauma, Gridael Care, and Acuse Care Surgery, United

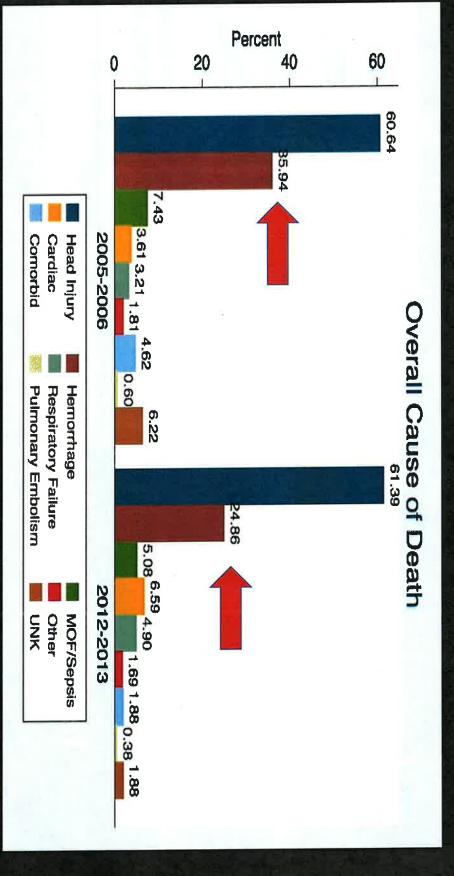
States * University of Washington, Department of Surgery, District of Trains and Acute Care Surgery United States

- 2.5 million patients' retrospective study (2012-14)
- AIS 4 chest and abdominal, significant TBI excluded
- Prehospital time and mortality

EXCELLENCE TODAY (IMPROVING TOMORROW

le of Gare

Oyeniyi B et al. Injury 2017



ASA PAPER

Use of Cold-Stored Whole Blood is Associated With Improved Mortality in Hemostatic Resuscitation of Major Bleeding

A Multicenter Study

Joshua P. Hazelton, DO,*S. Anna E. Ssentongo, DrPh, MPH, MI John S. Oh, MD,*
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Haytham M.A. Kaafarani, MD, MPH,*** Ava K. Mokhtari, MD,***
Sarah A. Moore, MD,††† Kathleen Madden, MD,††† Allen Tanner, II, MD,‡‡‡
Diane Redmond, MSN,‡‡‡ David J. Millia, MD,§§§ Amber Brandolino, MS,§§§
Uyen Nguyen, BS,||||| Vernon Chinchilli, PhD,¶¶¶ Scott B. Armen, MD,###
and John M. Porter, MD*****

esuscitation

Results: A total of 1623 [WB: 1180 (74%), BCT: 443(27%)] patients who sustained penetrating (53%) or blunt (47%) injury were included. Patients who received WB had a higher shock index (0.98 vs 0.83), more comorbidities, and more blunt MOI (all P < 0.05). After controlling for center, age, sex, MOI, and injury severity score, we found no differences in the rates of acute kidney injury, deep vein thrombosis/pulmonary embolism or pulmonary complications. WB patients were 9% less likely to experience bleeding complications and were 48% less likely to die than BCT patients (P < 0.0001).

48% reduction in mortality in trauma patients. Our study supports the use of WB use in the resuscitation of trauma patients.

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2019 EAST PODIUM PAPER

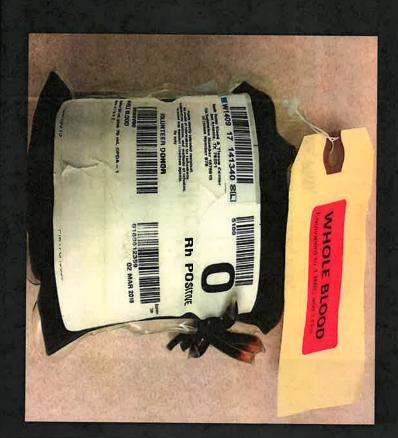
Safety profile and impact of low-titer group O whole blood for emergency use in trauma

James Williams, BS, Nicholas Merutka, BS, David Meyer, MD, MS, Yu Bai, MD, PhD, Samuel Prater, MD, Rodolfo Cabrera, BSN, EMT-P, John B. Holcomb, MD, Charles E. Wade, PhD, Joseph D. Love, DO, and Bryan A. Cotton, MD, MPH, Houston, Texas



Why Whole Blood 2

- Red cell replacement in acute blood loss with hypovolemia
- Transports oxygen to the main organs of the body
- Increases the bodies clotting factors to internally control the nemorrhage









expecting different results." "Insanity is doing the same thing over & over again &

Flour 2: was



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Regional Whole Blood Program Low Titer O Positive Whole Blood (LTOWB)

helicopters emergency medical services. Funding from the Remote Trauma Outcomes Research Network (through the Department of Defense) through the development of a cold stored whole blood product and implement transfusion of cold stored whole blood in the prehospital setting for Medical Center was formed to study and address the optimizing care of seriously injured or ill patients in STRAC region. This care need is met and Tissue Center, UT Health San Antonio, University Health Systems (UHS), and the US Army Institute of Surgical Research / San Antonio Military STRAC is the recipient of a \$150,000 grant from the San Antonio Medical Foundation. This inter-institutional collaboration with the South Texas Blood allowed for an expansion to ground emergency medical services.

Conference

ED Operations

What is Whole Blood?

Careers

Calendar

Blds & RFPs Acute Care

EMS Education

(Prehospital Care)

EMTF 8

Coaltion Healthcare

Infection Control

Whole Blood: What is it and when should it be used?
. Dr Donald Jankins NID FACS









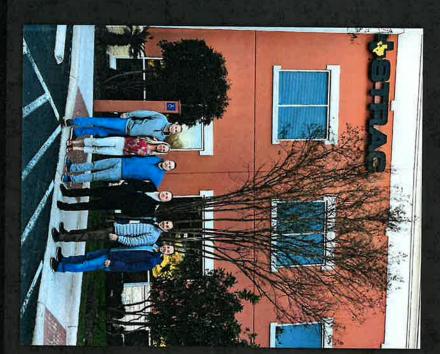
+BTRAC

Quick Reference

- Committee Information
- Participating Organizations
 Air Medical Bases Carrying LTOWB

Resources

- NOW PERMITTED BY THE AABB STANDARDS EMERGENCY RELEASE LOW TITER GROUP O WHOLE BLOOD IS
- STRAC Regional Whole Blood Program Rotation Process
- Dr. Jenkins LTOWB Presentation
- STRAC Blood Product Transfusion Record



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TAKES A VIII AGE





West Palm Beach, Florida







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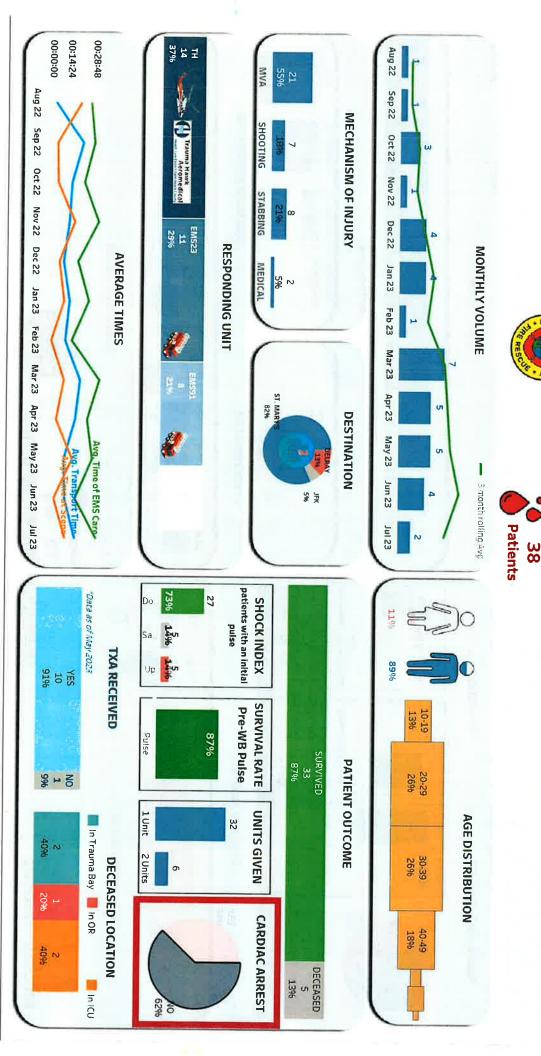
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PBCFR Whole Blood Outcomes

7/30/2022 - 7/25/2023

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PBCFR Whole Blood Outcomes

7/30/2022 - 7/25/2023

Transfusion Program and Early Results The Implementation of a Prehospital Whole Blood

Charles Coyle, EMT-P;¹ Tony Zitek, MD;² © Paul E. Pepe, MD, MPH;¹ Madonna Stotsenburg, RN;³ Kenneth A. Scheppke, MD;¹ Peter Antesy, MD;¹ Richard Giroux, DO;¹ David A. Farcy, MD¹²

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Conflicts of Interest/funding: CC, TZ, PEII, MS, KAS, I/A, and DAF declare no competing interests. No funding was received for this

Keywords: Emergency Medical Services (EMS); prehospital; transfusions; trauma: whole

Abbreviations
EMS: Emergency Medical Services

JIRI heart rate SDF: syntolic Mood pressure WITT: whole blood transitision

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Abstract
Introductions (in far-flowered combat situations, the military challenged degrea by using the better than the book transferious (WHT) prefer than component-based therapy. More recently, where transactions (WHT) prefer than component-based therapy. More recently, where transactions have initiated WHT programs with reported severa. There are a few braining that the several production of the control of

Coyle C., Zirek T., Pepe PE, Stotsenburg M, Scheppke KA, Antery P, Giroux R, Farey DA. The implementation of a prehospital whole blood transfusion program and early results. Prehosp Diaster Med. 2023;0(100):1–5.

Introduction

Although component-based blood transfusions currently remain the most widely used attarged in blood transfusions, military data have shown improved outcomes with whole blood transfusions (WHT), it "Moreover, there has been reserved interest regarding the use of WHT1 for manus patients with hemorthagic thook in trains centers," and manipule recent publications suggest that WBT may be of similar efficacy," or even superior to component-based stransfusions. WBT is may be of similar efficacy, "or even superior to component-based stransfusions," which may not be feasible for some Eurogeop's Medical based on the probagals string, with only once blood product to store and administre, WBT is sumpler than component beings, which may not be feasible for some Eurogeop's Medical Service (EMS) systems, Indeed, some other custume within the United Strans, including San Antenion, Transil and Pittsburgh, Pennsylvania, "Al' have been using WBT's for years, Data from those systems

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