En Route Critical Care Mission

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“Always do more than is required of you”

General George S. Patton Jr
Agenda

- Problem and approaches
- Team
- Goal
- Publications
- Effects
- Questions

The Problem

- Healthcare advances have brought surgical resuscitation further forward in the battle field.
- Rotary and fixed wing patient transport systems can move patients efficiently through combat operations.
- Result was increase in acuity level of patients needing transport further forward in the theater of operations.
The Solution Developed

2002 - Gap in critical care transport identified training program developed
2006 - Joint En Route Care Course validated
2009 - Joint Theater Trauma System conducted gap analysis: request for forces submitted
2010 – 18 Critical Care Nurses deploy for En Route Critical Care (ECC) Mission
2011 – Air Force Tactical Critical Care Evacuation Team (TCCET) Joins ECC Mission

Approaches to ECC

USAF Fever Mission
- C130
- Large Team
- ROLE II → ROLE III
- Unregulated

UK MERT
- Medical Emergency Response Team
- CH-47
- Large Team
- ROLE I → ROLE III

www.afcent.af.mil
http://www.flickr.com/photos/defenceimages/6076511925/
Approaches

- USAF Guardian Angel
  - Blackhawk
  - Tactical Evacuation
  - Personnel Recovery
  - ROLE I, II transfers

- USA MEDEVAC
  - Blackhawk
  - ROLE I, II transfers
  - Unarmed

Selection

- Army Team Members
  - Experienced
    Emergency Room or
    Intensive Care Nurses
  - Previous deployment
  - Able to meet flight
    physical standards
Training

- Joint En Route Care Course
  - Flight Physiology
  - Assessment
  - Packaging

- Clinical Practice Guidelines

- Transport Nurse Advanced Trauma Course
  - Air and Surface Transport Association

Our Workspace
Goal

MORBIDITY & MORTALITY

En Route Critical Care Mission

Enhance medical evacuation with advanced capability from point of injury through post-surgical, critical care Role 2 \(\rightarrow\) 3 transfers, providing a cohesive team effort that decreases morbidity and mortality.

ONE TEAM ONE MISSION!
What does ECC bring to the Continuum of Care?

1. Team Approach to Patient Care
2. Critical Care Knowledge Base
3. Teaching and Training
4. Theater Level Performance Improvement Initiatives
5. Effective Documentation, Data Collection
6. Bridge Between Systems
En Route Advanced Resuscitative Medicine

Medical Evacuation and Triage of Combat Casualties in Helmand Province, Afghanistan: October 2010–April 2011

En-Route Care Capability from Point of Injury Impacts Mortality Following Severe Wartime Injury


Performance Improvement Evaluation of Forward Aeromedical Evacuation Platforms in Operation Enduring Freedom

Amy Apodaca, Chris M. Olson Jr., Jeffrey Bailey, Frank Butler, Brian J. Eastridge, Eric Kuncir

Forthcoming Journal of Trauma 2013
Effects

- Number of patients transferred
- Number and type of interventions
- Effect on the system
- Effect on patient outcomes
- Future of the program

Questions

UNCLASSIFIED

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