Amputation Care ECHO

Dr. Laurie Lutz
EACE Training, Education and Simulation
Acknowledgements

Defense Health Agency
CAPT Tony Satterfield
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University of New Mexico Project ECHO
(Extension for Community Healthcare Outcomes)
Amputation Care ECHO Objectives

• At the conclusion of this series, the participants will be able to:
  – Apply information on clinical guidelines, best practices, new clinical developments
  – Use and maintain clinical competencies previously acquired
  – Engage with clinicians involved in amputation care to foster a knowledge sharing network both during and outside the Amputation Care ECHO sessions
- UNM Project ECHO
  - Hub and Spoke Educational Tele-mentoring Model
  - Knowledge Sharing Network

- Across MTFs
  - Eventual incorporation of the VA
Amputation Care ECHO

The nuts and bolts…

– Monthly
– 1.5 Hour Amputation Care ECHO sessions
– CMEs for attendance

Includes…

– Case Studies
– Didactic Presentation
What we need...

Amputation Care ECHO

Topics

Presenters

Case Studies

Active Participants
To Participate:

- Pre-register
  - Activity Number 2017-1472
Questions

“Education is not the learning of facts, but the training of the mind to think.”

-Albert Einstein
Disclosures

The opinions, views and/or assertions expressed in this presentation are the private views of the authors and do not reflect official policy or views of the U.S. Army, Department of Defense, Department of Veteran Affairs, or the U.S. Government.

Speaker Name: Andrea Crunkhorn, PT, DPT, CSCS
EACE Chief, Clinical Affairs
• No relevant financial relationships to disclose.

Speaker Name: Joseph A. Miller PhD CP
EACE Prosthetics and Orthotics Senior Advisor
• Royalties from: (Department of Defense)
• Member of: (TaiLor Made, LLC.)

Speaker Name: Laurie Lutz, PhD
EACE Chief, Training, Education and Simulation
• No relevant financial relationships to disclose
Outline

• Extremity Trauma and Amputation Center of Excellence (EACE)

• EACE Clinical Affairs
  • Clinical Programs
    – The DOD Amputation Care Network
  • Prosthetics and Orthotics
  • Education & Training
Objectives and Purpose

By the end of this session, the participant will be able to:

• Summarize the capabilities and products of the EACE Clinical Affairs team

• Demonstrate an understanding of the DOD Amputation Care Network

Purpose:

• To educate the DOD Amputation Care community on the EACE, EACE Clinical Affairs Programs and the DOD Amputation Care Network.
Extremity Trauma and Amputation Center of Excellence
Congressional Mandate

• PL 110-417 NDAA 2009 SEC. 723

• The Secretary of Defense and the Secretary of Veterans Affairs **shall jointly establish** a center of excellence in the mitigation, treatment, and rehabilitation of traumatic extremity injuries and amputations.
EACE Synergy of Effort

Clinical Affairs
Research
Global Health Engagement

Goals:
• Provide world class training and education
• Retain blast injury expertise
• Promote best practices
• Sustain multi-disciplinary sports medicine rehab

Outcomes:
• Return to Duty
• High performance lifestyle
• Community reintegration

Advancing the Science

Patient Registry
Medical/Surgical Interventions
Advanced Rehabilitation
Prosthetics and Orthotics
Regenerative Medicine
Community Reintegration
National/International Leadership

Team Approach
ARC Multi-disciplinary team
Family-centric rehab
VA collaboration
Academia
Industry
Research Consortiums
International Outreach
Clinical Affairs
The mission of the EACE Clinical Affairs team is to collaborate with federal, civilian and national entities in support of federal amputation care. EACE Clinical Affairs directly supports amputation care across the DOD. To provide this support, EACE Clinical Affairs launched the DOD Amputation Care Network concept to codify best practices, develop resources, and promote the patients, caregivers and providers within the DOD amputation care community.
Advanced Rehabilitation Centers

Known colloquially as “ARCs”
ARC Capabilities

- **Integrated, multidisciplinary teams**
  - Surgeons, PM&R, PT, OT, NCM, BH, O&P
  - GS Civilian based rehabilitation and support

- **Efficacious rehabilitation to optimum function**
  - Well developed system of care with contract based expansion capability
  - State of the art prosthetic and orthotic devices
  - Military specific rehabilitation:
    - Firearms Training Simulator
    - Computer Assisted Rehabilitation Environment
    - Adaptive Sports
  - Integrated with 26 ARC embedded EACE researchers

*Ultimate goal is full restoration of normal human function*
Clinical Programs Key Activities

- **Knowledge translation (KT)**
  - 2017 VA DOD Lower Limb Amputation CPG
  - KT Workgroup: better managing the link between research and practice

- **Best practices**
  - Equipment spreadsheet for DME and HEP
  - Amputee Clinic SOP
  - Outcomes metrics
  - Note templates

- **Policy and other administrative support**
  - Service members to an Advanced Rehabilitation Center (ARC) Health Affairs memorandums
  - TRICARE Operations Manual changes
  - Data development

- **Informational briefings to key stakeholders**
Prosthetics and Orthotics
Dr. Miller: Title: Senior Advisor for Clinical Orthotics and Prosthetics
Serves in a Health care consulting and advisory and resources role, to foster Coordination, Education, and Collaboration between DOD and VA in the delivery of Orthotic and Prosthetic Services (OPS) to Service members (SMs) and Veterans.

**Core Tenants of Change Management, Leading Change, Building Coalitions and Communication**

**Change Management:**
- Implementation of state-of-the art delivery of OPS
- Continually improve business processes

**Leading Change:**
- Leverage advanced technologies and emerging innovations
- Ensure clinical quality, safety, and availability for OPS

**Building Coalitions:**
- Advance OPS innovation for all stakeholders
- Improve service and program performance.
- Encourages creative thinking and collaboration

**Communication:**
- Foster relationships and promote culture of sharing knowledge
Emerging Amputation Care

• Technology
  – LUKE Arm (DEKA)
    • 20 arms for distribution to DOD and VA
    • DOD Information sheets for patients and providers at health.mil/EACE under Clinical Affairs

• Research
  – Targeted Muscle Reinnervation (TMR)
  – Implantable Myoelectric Sensors (IMES)
  – Transplantation
    • https://www.youtube.com/watch?v=VqUsLMki5Gw
  – Osseointegration
    • DOD Information sheets for patients and providers at health.mil/EACE under Clinical Affairs
Educational Initiatives
Current EACE Education and Training Initiatives

- FAAST
- FAIG
- Grand Rounds
- EACE Education and Training
- EACE Website
- Amputation Care
- ECHO
Current EACE Education and Training Initiatives

**Federal Advanced Amputation Skills Training**
- Annual Skills Training for clinicians involved in amputation care

**Federal Amputation Interest Group**
- 700+ member list serve

**Virtual Grand Rounds**
- Webinar held every other month on topics of interest in amputation care

**www.health.mil/EACE**
- Updated website for resources
EACE Website

www.health.mil/EACE
Questions?
Case Study Reminders

• Please….
  – Introduce yourself each time you speak
  – No PII in case studies
  – Do not put your phone on hold for any reason during the session.
  – Make sure your connection is muted while not presenting or asking questions.