Caring for the combat trauma patients in an international postanesthesia care unit (PACU) is challenging. This presentation will provide: 1) an overview the stateside preparation for mobilized Navy Reservists entering a combat theater of operation; 2) advanced pathophysiology concepts of common trauma injuries; 3) an account of essential healthcare data in the Joint Trauma Registry and how the war casualties’ healthcare data is being mined to create evidence-based practice guidelines; and 4) an experience of collaboration among the medical and nursing staff in the international combat trauma hospital.

Presentation Outline

I. Preparation of Navy Reservists for International Experience

A. New timeline for preparation

B. Required education and training

C. Required Army combat training

D. Medical and Nursing Support for NATO Role 3 Countries

II. Discuss the prevalence of combat trauma injuries in that last 10 years.
A. Epidemiology of combat trauma injuries

B. Joint Trauma Registry data mining

C. Outcomes of combat trauma injuries

III. Review the mechanism of injury of trauma

A. Biomechanics of combat trauma injuries

   1. Blunt Trauma

   2. Penetrating Trauma

   3. Explosive trauma

IV. Identify the recognition of life or limb threatening conditions that may occur in the PACU.

   A. Hypovolemic Shock

   B. Epidural hematoma
C. Compartment syndrome

D. Septic Shock

V. Summarize the international approach and management of selected trauma case studies.

A. 38 year old ruptured globe bilateral above the knee amputation

B. 19 year gunshot wound to the chest

C. 26 year old traumatic amputation with pelvic disruption