

p e n n s y l v a n i a  
**TRAUMA  
SYSTEMS**  
f o u n d a t i o n



Celebrating the PAST.  
Advancing the FUTURE.

# Trauma Practice Management Guidelines

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## Trauma Practice Management Guidelines

As the accrediting body for trauma centers in Pennsylvania, The Pennsylvania Trauma Systems Foundation was created in 1985 to assure optimal care of injured patients throughout the Commonwealth. Although one way of assuring this is the trauma center accreditation process, the PTSF takes seriously its commitment to supporting best practices in the care of injured patients by facilitating inter-hospital collaboration and the work of its many committees.

The following document is the result of a collaborative effort of best practice sharing from the PTSF Performance Improvement & Safety Committee. Throughout the document you will see examples of Clinical Management Guidelines and Protocols shared by hospitals and also national associations such as EAST and others.

It is the hope of PTSF that these resources will serve to reduce unnecessary variation and optimize trauma care. As noted in the PTSF Standards of Accreditation, it is mandatory that the Trauma Program develop, utilize and evaluate evidence based clinical practice management guidelines (PMGs) which must be monitored by the Performance Improvement program. In the absence of evidence-based resources, consensus-based institutional guidelines should be established according to the most current peer-reviewed literature and clinical experience and judgement.

### ***Examples of such activities include the following:***

- The use of massive transfusion protocols in patients with exsanguinating hemorrhage
- Assessment and clearance of the cervical spine
- The management of severe traumatic brain injury
- The reversal of oral anticoagulants, the timing of antibiotic administration, and time to the operating room for open fracture management
- VTE prophylaxis

### ***Special thanks are extended to the following non-inclusive list of contributors:***

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- PTSF PIPS Committee

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\*Required PMGs for all trauma center levels of accreditation

## Click on the following links to view examples

### 1. CERVICAL SPINE CLEARANCE

[C-Spine Clearance ~ EAST \(2009\)](#)

[C-Spine Clearance ~ Level 1 \(adult\)](#)

[C-Spine Clearance ~ Level 2 \(adult\)](#)

[C-Spine Clearance ~ Level 2 \(adult\)](#)

### 2. GERIATRIC TRAUMA MANAGEMENT

[Geriatric Trauma ~ EAST \(2003\)](#)

[ACS TOIP Geriatric Trauma Management Guidelines](#)

[Geriatric Trauma/Rib Fracture Management ~ Level 1 \(adult\)](#)

[Geriatric Trauma Patient PMG ~ Level 2 \(adult\)](#)

[Geriatric Trauma Patient/High-Risk Geriatric Algorithm ~ Level 2 \(adult\)](#)

### 3. MASSIVE TRANSFUSION PROTOCOL

[ACS TOIP Massive Transfusion in Trauma Guidelines](#)

[MTP ~ Level 1 \(adult\)](#)

[MTP ~ Level 2 \(adult\)](#)

[MTP/Activation Process Flow ~ Level 2 \(adult\)](#)

### 4. OPEN FRACTURE MANAGEMENT

[Prophylactic Antibiotic Use in Open Fractures ~ EAST \(2011\)](#)

[ACS TOIP Best Practices in the Management of Orthopedic Trauma](#)

[Open Orthopedic Injuries ~ Level 1 \(adult\)](#)

[Open Orthopedic Injuries ~ Level 2 \(adult\)](#)

[Open Orthopedic Injuries/Algorithm ~ Level 2 \(adult\)](#)

## Click on the following links to view examples

### 5. TRAUMA PATIENT TRANSFER GUIDELINE

[Admission & Transfer Guidelines ~ Level 2 \(adult\)](#)

[Inter-Facility Trauma Patient Transport ~ Level 2 \(adult\)](#)

### 6. TRAUMA TRIAGE ACTIVATION GUIDELINE

[Appropriate Triage of the Victim of Trauma ~ EAST \(2010\)](#)

[Trauma Activation Protocol ~ Level 1 \(adult\)](#)

[Trauma Activation Protocol ~ Level 2 \(adult\)](#)

[Trauma Activation Protocol ~ Level 2 \(adult\)](#)

### 7. TRAUMA RESUSCITATION MANAGEMENT GUIDELINE

[Standard Trauma Resuscitation ~ Level 1 \(adult\)](#)

[Trauma Resuscitation Roles & Responsibilities ~ Level 2 \(adult\)](#)

### 8. UNSTABLE PELVIC FRACTURE MANAGEMENT

[Unstable Patients with Pelvic Fractures ~ Level 1 \(adult\)](#)

[Pelvic Fracture Management ~ Level 2 \(adult\)](#)

### 9. ANTICOAGULATION MANAGEMENT

[Palmetto Health ~ Warfarin Reversal Algorithm \(Kcentra\)](#)

[Triage Guidelines for the Anticoagulated Head Trauma Patient](#)

[Anticoagulant Reversal Management Guideline ~ Level 2 \(adult\)](#)

[Anticoagulant Reversal Management Guideline Algorithm ~ Level 2 \(adult\)](#)

## Click on the following links to view examples

### 10. OTHER PMGs

[ACS TQIP Best Practices Guidelines in Imaging](#)

[ACS TQIP Best Practices Guidelines for Trauma Center Recognition of Child Abuse, Elder Abuse, and Intimate Partner Violence](#)

[ACS TQIP Best Practices in the Management of Traumatic Brain Injury](#)

[ACS TQIP Palliative Care Best Practices Guidelines](#)

[Eastern Association for the Surgery of Trauma \(EAST\) Practice Management Guidelines](#)

[Emergency Department Thoracotomy ~ EAST \(2015\)](#)

[Evaluation of Blunt Abdominal Trauma ~ EAST \(2002\)](#)

[Nutritional Support of the Trauma Patient ~ EAST \(2004\)](#)

[Penetrating Zone II Neck Trauma ~ EAST \(2008\)](#)

[Western Trauma Association Algorithms](#)

### 11. TRAUMA PRACTICE MANAGEMENT GUIDELINE DEVELOPMENT

[How to Develop Clinical Guidelines for Trauma](#)

[Process for Trauma Management Guideline Development \(Algorithm\)](#)

### 12. TRAUMA PRACTICE MANAGEMENT TEMPLATES

[Sample Template](#)

### 13. TRAUMA PRACTICE MANAGEMENT GUIDELINE VARIANCE ANALYSIS REPORTING EXAMPLES

[Example ~ Anticoagulation Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ Airway Management Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ Blunt Cerebrovascular Management Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ C-Spine Management Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ VTE Prophylaxis Management Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ Geriatric Trauma Management Variance Analysis \(Jan-Dec 2015\)](#)

[Example ~ SBIRT Management Variance Analysis \(Jan-Dec 2015\)](#)