



**Trauma**  
**TRAUMA MANAGEMENT**  
**Practice Guideline**

**Patient Care Goals**

1. Rapid assessment and management of life-threatening injuries
2. Safe movement and transport of injured patients

**Patient Presentation:**  
Inclusion Criteria  
Adult patients ≥18yrs with injury from trauma  
Exclusion Criteria  
Pediatric patients age less than 18 yrs

**Patient Management**  
**MARCHE** Primary Survey Approach and PRN Strategies based on assessment and injury  
Frequent reassessment

**\*\* Prioritize life-saving interventions (LSI's)\*\***  
**Complete LSIs before placing LUCAS device**

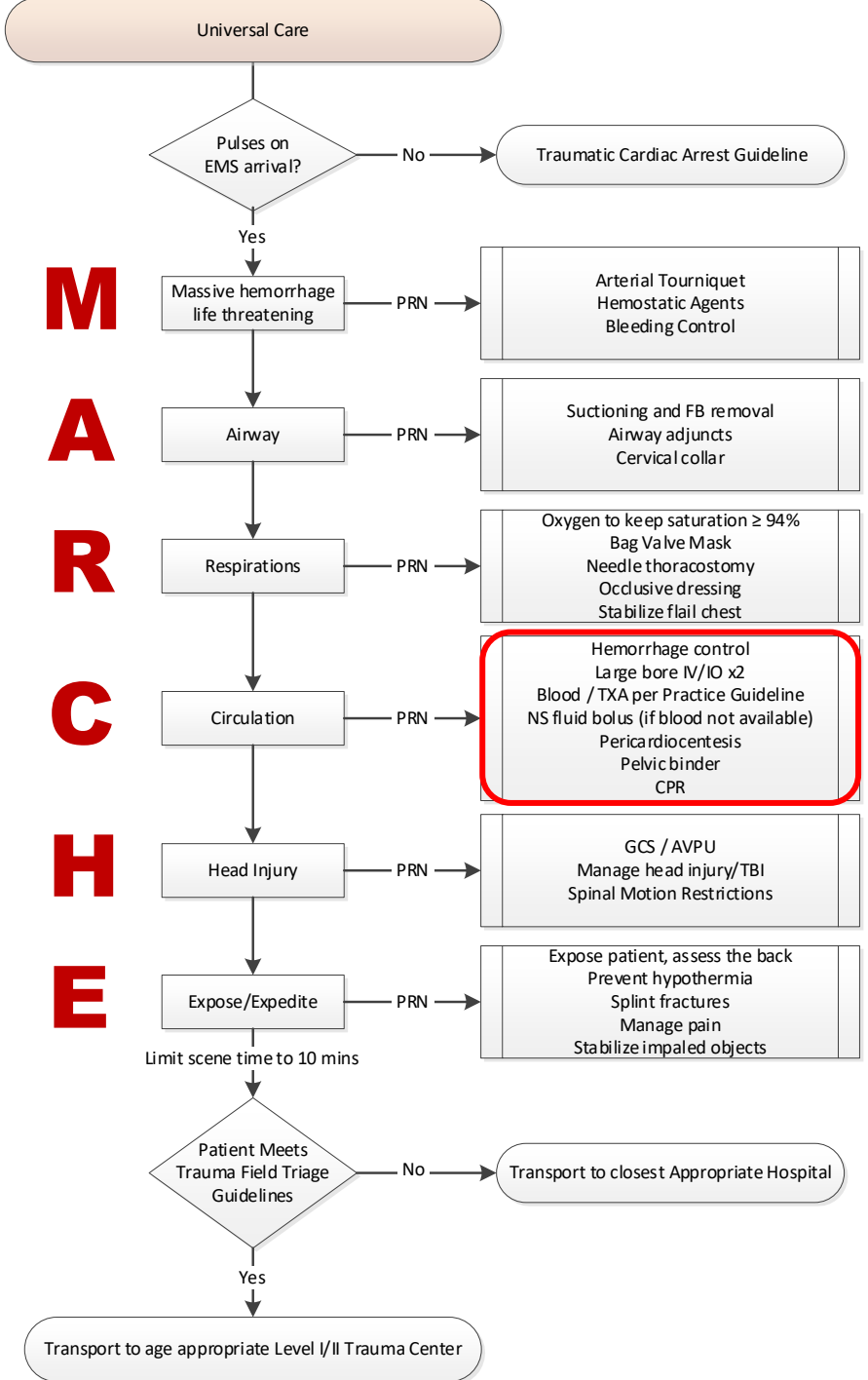
**Medications**  
Normal Saline  
20 mL/kg IV/IO bolus  
WITHOUT HEAD INJURY:  
No additional fluids-permissive hypotension  
WITH HEAD INJURY  
May repeat normal saline bolus with a goal of SBP 120 or age appropriate.  
Blood product infusion (per PG)  
• Low titer O+ whole blood **or**  
• Fresh frozen plasma **or**  
• Packed red blood cells  
Adult age ≥18yrs: One unit, IV/IO infusion **rapid**  
**Note: TXA not indicated in pediatric (age <18yrs) traumatic hemorrhagic shock**

TXA Tranexamic Acid  
Adult (Age ≥18yrs): 2G IV/IO infuse over 10 min  
Peds (Age <18yrs): 20 mg/kg IV/IO infuse 10 min  
Peds max dose 1G

Manage pain and discomfort  
Pain Management Practice Guideline

**Patient Safety Considerations**  
Optimize patient positioning in cases of airway or breathing compromise (upright, semi-fowlers, lateral recumbent, etc)  
Consider advanced airway in unresponsive trauma pts with compromised airway protection and/or GCS ≤8 based on pt indicators (able to open pts mouth, absent gag reflex/tolerates NPA OPA or suction, provider judgment)  
Manage TBI per Head Injury/TBI Practice Guideline  
Routine use of lights and sirens is not recommended during transport unless severe or refractory to EMS interventions

**Quality Improvement**  
Key Documentation Elements  
1. Exam findings to support treatment decisions  
2. Scene time <10 mins for major trauma PRN  
3. Hosp destination a prop.  
4. Wt based dosing



*Re-ordered and added blood products and TXA per practice guideline*

Initiated: 01/01/2017  
Reviewed/Revised: 06/17/2024  
Revision 5

Approved: Benjamin Weston, MD, MPH Medical Director  
Approved: Dan Pojar, BSEMS, FP-C, NRP EMS Division Director  
WI DHS EMS Approval: 5/17/2022

Pg 1 of 1