

**Northwest Community EMS System
Entrance Exam - Trauma
Blueprint and Table of Specifications 2019 SOPs**

Questions	#
Initial Trauma Care (ITC)	10
Scene size up criteria	
Special considerations ITC; life threats to be found and resuscitated in primary assessment	
Sequencing/methods to achieve hemostasis: splinting pelvic fractures	
Vasc. access/IVF resuscitation; timing, location, temp & volume of fluids; BP targets	
GCS scoring	
Revised Trauma Score criteria	
Trauma Triage and Transport Criteria	3
Transport destinations: General policy	
Level I vs II Trauma Center criteria based on anatomic, physiologic criteria or MOI	
Hypovolemic / Hemorrhagic Shock	3
Interpreting the significance of pulse pressure and MAP changes in trauma patients	
Compensated vs. noncompensated shock; stages of shock; identification / Rx hypovolemic shock	
Cardiac arrest due to Trauma	3
Rx no breath sounds (one or both sides)	
Location of resuscitation (on scene, vs. enroute)	
Resuscitation indications/contraindications	
Conducted electrical weapon: Post-TASER Care	3
ITC special considerations	
Rx anxiety vs excited delirium	
Rx probes	
Burns	11
ITC special considerations: clothing, restrictive jewelry, cooling	
Vascular access; IVF to be infused in first hour based on age/size	
Assessing depth	
% BSA (Rule of 9s; Rule of palms)	
Elements of burn history to obtain	
Thermal burns: Rx	
Chemical burns: Nature of injury based on pH of substance, Rx	
Electrical burns: Assessments; S&S	
Inhalation burn: Etiology, S&S, treatment per SOP	
Transport option directly to burn center	
Chest Trauma	7
Tension pneumothorax: Cause, S&S, Rx	
Open pneumothorax: S&S, Rx	
Flail chest: S&S, Rx	
Cardiac tamponade: S&S, Rx	
Blunt cardiac injury: S&S, Rx	
Thoracic aortic tear: pathophysiology, S&S, Rx	
Pulmonary contusion: S&S, Rx	
Eye Emergencies	5
Eye assessment (lids, cornea, iris, conjunctiva, sclera, visual acuity, pupils, EOMs)	
Chemical burns to the eye: Rx	
Tetracaine: actions, indications, dose, administration steps	
Corneal abrasion: S&S or Rx	
Open globe injuries/hyphema/impaled object: S&S; Rx	
Facial Trauma (nose, ears, midface, mandible, dentition)	5

Questions	#
ITC special considerations	
Dental trauma: Assessment; tooth preservation techniques	
Assessment of mandibular or zygoma fx	
Assessment/Rx nasal bone fx with epistaxis	
Head Trauma	10
ITC special considerations: monitoring; ventilation, Rx wounds; 12 L ECG changes, BP targets; seizure Rx; glucose check	
Establishing patient reliability	
Ongoing monitoring	
Types of skull fractures and their clinical presentation	
Concussion; clinical presentation; treatment	
S&S of ↑ ICP; brain shift/herniation; Rx	
Musculoskeletal Trauma	10
ITC special considerations: assessment; pain / muscle spasm management	
Amputation: hemorrhage control; preserving parts	
Splinting principles and options (see procedure manual); action if pulses are lost	
Crush syndrome: pathophysiology, assessment, Rx	
Compartment syndrome: pathophysiology, assessment, Rx	
Suspension injury; Anticipated complications, Rx	
Spine trauma	12
Spine motion restriction: positioning; indications; contraindications; options	
ITC special considerations	
Assessment; exam findings suggesting SCI (Ps; levels of injury; complete vs incomplete syndromes)	
Need for sedation	
Identification (S&S) / Rx neurogenic shock (IVF; atropine; norepinephrine)	
Multiple patient Incidents	8
Determining a small vs medium to large scale event	
Priorities at scenes with more than one pt (assignments – accountability)	
Start/JUMPstart triage: determining color assignments: red, yellow, green, dead	
SMART tag	
Communications with hospitals during a small or medium scale incident	
Hospital destinations in MPI events (small or medium /large scale incidents)	
Documentation requirements in small vs medium/large scale MPM incident	
Hazardous Materials Incidents	6
Scene size up considerations	
Scene safety issues: hot, warm, and cold zones/perimeters	
Treatment of contaminated pts; confining contamination for transport	
Radiation exposure incidents; types of shielding needed for various isotopes	
Chemical agent exposure S&S/Rx	
Abuse / Neglect: Domestic, Sexual, Elder	2
Domestic violence	
Elder abuse	
Trauma in Pregnancy	2
Spinal immobilization considerations	
ITC special considerations	
Total number of questions	100