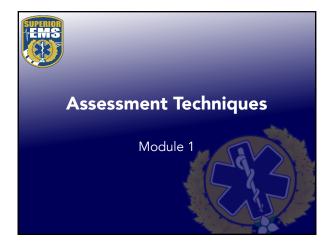




Purpose

- Whether you are a bystander when an accident occurs, or working when a trauma occurs a quick, thorough patient assessment is the essential first step in effective patient management.
- Unfortunately, in the melee of an emergency, the people responsible for patient care tend to focus on obvious injury and lose sight of the big picture.
- It is important to have a systematic way to approach trauma patients, to ensure that nothing is missed.

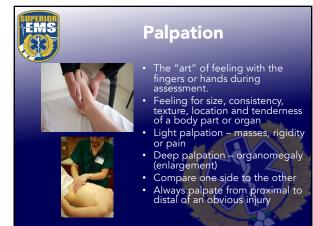




Inspection

- Obtain Adequate Exposure of the Patient
- Compare Sides
- Use Good Lighting
- Use appropriate instruments

 Penlight, etc.



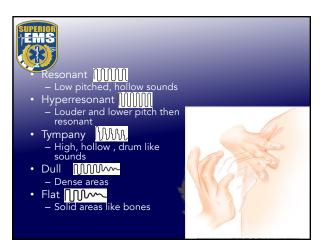
- Texture
- Temperature
- Moisture
- Organ
- Size/Location
- Swellig
- Vibration

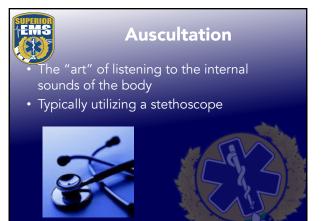
- Pulsation
- Rigidity or spasticity
- Crepitation
- Presence of Lumps/Masses
- Presence of tenderness or pain

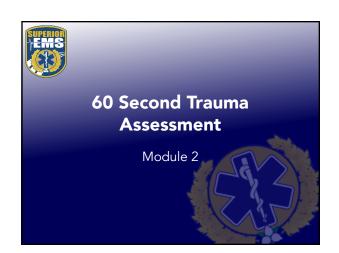


Percussion

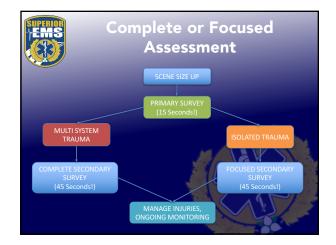
- Not commonly used in EMS but can be valuable
- "art" of tapping body parts to produce sounds.
- Used to identify
 - Size, consistency and borders of body organs
 - Presence or absence of fluid in body areas.













Scenario

Complete or Focused?

- You are called to the scene of a female patient who has suffered a gunshot injury to the right thigh. There is a significant amount of blood visible at the scene.
- You are called to the scene of a football player who has been struck in the lower leg by another player and is complaining of isolated pain to the left lower leg

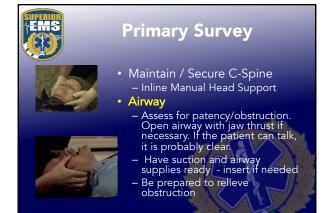
Step-by-Step Approach

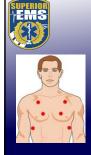
nary Survey

- First 15 seconds
- "Does the patient have any problem that will endanger their life in the next few minutes"
- A,B,C,D,E

Secondary Survey

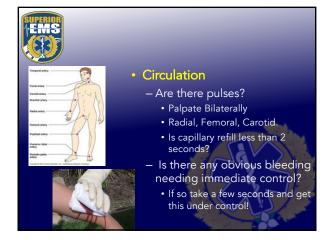
- Next 45 seconds
- Starts at the head and works down to the feet, including the entire body surface.
- Can be focused depending on the presentation





Breathing – Yes or no?

- If not, begin ventilating (Bag Mask Ventilation) with 100% oxygen. This can oxygenate the patient and buy time during intubation attempts.
- Assess breath sounds if possible. Are they bilateral?
- Assessing for presence and sound if possible but priority is presence!
 If not consider pneumothorax.
 Stabilize flail chest.
- Apply oxygen PRN





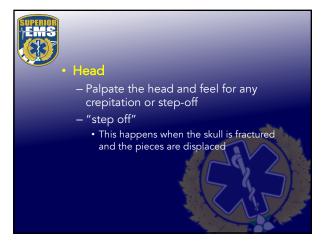














- Pupillary response to light • Altered response may be a sign of brain injury or toxicologic emergencies).
 - Dilated may be a sign of brain injury
- Look for bruising around the eyes, so-called "Raccoon eyes" (may indicate basilar skull fracture).



- Is there any fluid draining out? (If it is clear, it is CSF until proven otherwise.)
- Is there any bruising around the ears? (Battle's sign of basilar skull fracture).







- Is there any oral trauma (Blood and broken teeth are serious airway hazards)

- pneumothorax)



Chest

- Any chest wall tenderness - paradoxical movement
- (Flail chest) – subcutaneous air?

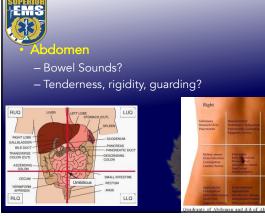
Lungs

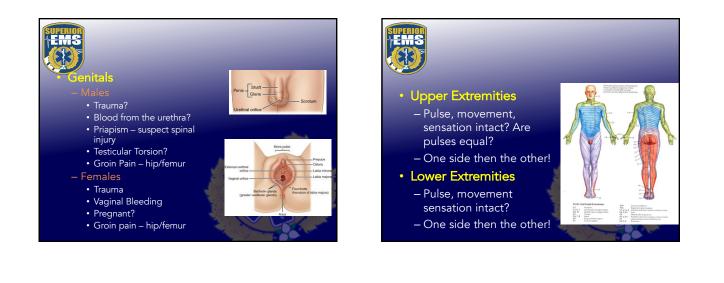
Fourth left

- Are breath sounds present and equal?

Cardiac

- Are the sounds muffled?











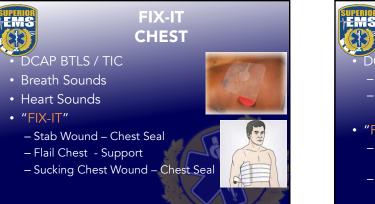
 In order to ensure an uninterrupted and organized patient assessment, the patient assessor must rely on their partners treatment steps while patient assessment is conducted.

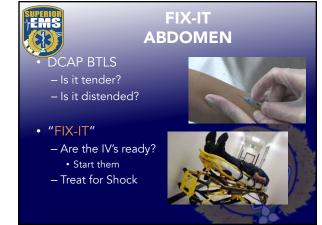
• Each patient assessment step requires the thought of resolving the issues of that step as the next step is reached

- Remember
 - You do the assessment
 - Your partner "Fixes it"

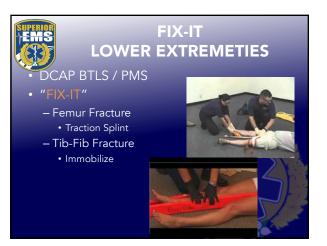
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FIX-IT UPPER EXTREMETIES • DCAP BTLS / PMS • "FIX-IT" - Immobilize Fractures as appropriate

EMS Treat

Treatment of Serious vs. Minor Injuries

- Treat the life-threats immediately
- Treat the minor injuries as time permits
- Most important is to identify all injuries quickly





Rapid Trauma Assessment Evaluation Tool

		1
Takes body substance isolation precautions	1	
SCENE SIZE UP		
Determines the scene/situation is safe	1	
Determines the MOI	1	
Considers c-spine stabilization	1	
PRIMARY SURVEY		
Airway	2	
 Opens and assesses airway (1 point) - has suction / airway adjuncts ready (1 point) 		
Breathing	4	
- Assess breathing (1 point) - ensures adequate ventilation (1 point)		
- Assesses breath sounds (1 point) - applies oxygen PRN (1 point)		
Circulation	5	
- Palpates bilateral – radial, femoral, carotid (3 points)		
- Cap refill (1 point) - controls any severe bleeds (1 point)		
Deformity	1	
- Rapid deformity check (1 point)		
Exposure	7	
- Determines if situation is multi trauma or focused trauma assessment (1 point)	'	
 Betermines it studior is multi rauna or focused trauna assessment (1 point) Rapidly exposes either whole body, or isolated area of trauma (1 point) 		
 Apploise section whole body, or isolated area of trauma (1 point) Assesses Patient while exposed (1 Point) 	1	
	1	
- Patient privacy (4 points)	-	
Instructs Partner to obtain baseline vitals	5	
SECONDARY ASSESSMENT	1	
Head	1	
 Palpates head and feels for any crepitation or "step-off" 		
Eyes	2	
- Pupils reaction to light (1 point)		
- Looks for bruising around the eyes (1 point)		
Ears	2	
- Assesses for drainage (1 point)		
- Assesses for battle sign (1 point)		
Nose	1	
- Assesses for trauma, fluid, patency (1 point)		
Throat / Neck	5	
	5	
 Assesses for oral trauma (1 point) Assesses for neck deformity (1 point) 		
- Assesses for JVD (1 point)		
- Trachea midline? (1 point)		
- Palpate carotids (1 point)		
Chest / Lungs / Cardiac	4	
- Chest tenderness (1 point)	1	
- Paradoxal movement (1 point)	1	
- Breath sounds (1 point)	1	
- Chest sounds (cardiac) (1 point)	1	
	<u> </u>	
Abdomen	4	
 Inspects abdomen (1 point) Auscultates abdomen (1 point) 		
- Palpates abdomen (1 point) - assesses pelvic stability (1 point)	 	
Genitals	3	
 Male: inspects for urethral drainage, testicular torsion, priapism and groin pain 		
 Female: inspects for vaginal bleed, groin pain, trauma 		
Upper Extremities	2	
- Pulse, movement and sensation, palpation (1 pt each limb)	1	
Lower Extremities	2	
- Pulse, movement and sensation, palpation (1 pt. each limb)	1	
	-	
Back	2	
 Log roll, and assess for injury, tenderness, deformity 	1	
Delivers Appropriate Treatment or Interventions (10 = Proficient, 5 = Satisfactory)	10	
Patient privacy maintained throughout assessment	4	
Total Score	70	1