

# 2018

## St. John Ambulance Ontario Medical First Responder Competition

### TEAM SCENARIO

#### Scenario # 1 – “Big Wheels Keep on Churnin’ ”

#### Background Scenario

You and your team have arrived at FESTI for a weekend of on-site training opportunities.

While your team is heading off to a class on the inner workings of an emergency response vehicle in the garage, there is an alert that the instructors have been injured.

Your team is the closest first responders.



You have 20 minutes to complete the scenario, Good Luck!!

*There will be a 3 minute warning signify the end of the primary survey.*

*There will also be a 2 minute left signal for the team's benefit.*

**THIS PAGE IS GIVEN TO TEAMS AT THE BEGINNING OF THE SCENARIO**

## **CASUALTY SIMULATORS INFORMATION - Scenario #1**



***(BACKGROUND – NOT TO BE SHARED WITH COMPETITORS)***

**Location:** Main Building hangar on apparatus Floor

**Overall Scenario for the event:** You and your team have arrived at FESTI for a weekend of on-site training opportunities. While your team is heading off to a class on the inner workings of an emergency response vehicle in the garage, there is an alert that the instructors have been injured. Your team is the closest first responders.

### **Judges & Casualty Info:**

The “instructors” of the class were preparing the fire truck for students to learn about it, when one of them moved the truck forward, they didn’t realize another instructor was underneath the truck checking it before the lesson. Patient 1 has their right arm run over. Patient 2 is the driver of the truck who has come out of the truck and while trying to get under the help patient 1, the truck lurched forward again and knocked them down and their leg/foot is caught between the wheels.

### **Scenario Set Up:**

- Total number of patients: 2 in semi-professional teaching clothing.
- Patient #1 - Right arm – open fractures of the back of the hand with crush injury, open fractures (two areas) of the radius and an open fracture on the humerus. with large tire marks across the arm.
- Patient #2 – Left foot is caught between the wheels of the fire truck. Knocked to the ground, striking the back of their head (headache and becoming semi-conscious throughout scenario). Upset about their co-workers injuries.

### **Logistics Items:**

- Wheel Chocks (nearby for team to secure the truck in primary)
- Folded Tarp (to be used as pillow splint) and random tools on a nearby table.
- Spare white socks (pt #2) – May be cut off by teams throughout the day.
- AMFR/PRO = Backboard and Kit x 1

### **Timing Notes:**

- There will be a 3 minute warning to signify the end of the primary survey. Teams will ONLY be able to score points from the first page during the first 3 minutes.
- There will also be a 2 minute remaining signal for the team’s benefit.
- Teams will be given 5 minutes after the scenario to complete paperwork while scenario re-set occurs.

**CASUALTY SIMULATORS INFORMATION**

**Patient #1 – “ Crushed Arm ”**



You are an instructor for the FESTI training centre. You were preparing the truck for a class in emergency vehicle maintenance. You had to get under the truck to check the tires. Without warning – the trucks engine started and before you could get out from under the tires, it rolled forward, rolling over your right arm. You are now in severe pain as your arm has been crushed by the 25 ton truck.

**SIMULATION:**

Injury Information	Casualty Simulation Required
<ul style="list-style-type: none"> <li>Shock</li> </ul>	<ul style="list-style-type: none"> <li>Pale, cool and sweaty skin</li> </ul>
<ul style="list-style-type: none"> <li>OPEN Fx Upper Right arm</li> </ul>	<ul style="list-style-type: none"> <li>Large bone protruding mid shaft on the outside of the upper arm.</li> </ul>
<ul style="list-style-type: none"> <li>Two Wounds with OPEN Fx Lower Right arm.</li> </ul>	<ul style="list-style-type: none"> <li>2 open wounds with smaller protruding bones- one per wound.</li> </ul>
<ul style="list-style-type: none"> <li>Crushed Right Hand</li> </ul>	<ul style="list-style-type: none"> <li>Swelling pads over the hand with red blood smears and open wounds over the back side and palm of hand from being run over by truck</li> </ul>
<ul style="list-style-type: none"> <li>Arm run over by truck</li> </ul>	<ul style="list-style-type: none"> <li>Realistic blackened tire like marks on arm.</li> </ul>

**SAMPLE/ HISTORY:**

<b>S</b>	Severe pain in the RIGHT arm.
<b>A</b>	None
<b>M</b>	None
<b>P</b>	Previously Healthy
<b>L</b>	Ate (breakfast or lunch) as normal
<b>E</b>	Checking out truck, it rolled over arm.

**ARM PAIN: SHOUDLER TO FINGERS**

<b>O</b>	Truck rolled over arm
<b>P</b>	Any movement increases pain
<b>Q</b>	Severe ache/crushing
<b>R</b>	from shoulder to finger tips
<b>S</b>	10/10; mvt increases to 20/10
<b>T</b>	happened a few minutes before the team arrived.

**VITAL SIGNS:**

	<b><u>1<sup>st</sup> SET</u></b>	<b><u>2<sup>nd</sup> SET</u></b>
<b>RESP.</b>	28 Shallow and irregular (crying)	24 Shallow and irregular (sobbing)
<b>PULSE</b>	130 bounding and rapid	118 bounding and rapid
<b>B/P</b>	190/110	188/122
<b>SKIN</b>	Pale, Cool and Clammy (shock)	Pale, Cool and Clammy (shock)
<b>LOC</b>	Fully Conscious	Fully Conscious
<b>PUPILS</b>	Equal and Reactive	Equal and Reactive

**CASUALTY SIMULATORS INFORMATION**

**Patient #2 – “ Crushed Leg”**



You are an instructor for the FESTI training centre. You were preparing the truck for a class in emergency vehicle maintenance, finishing the preparation of the truck and went to move it forward a few feet before the students arrived. You thought the other instructor had gone off to the washroom. After shutting the truck off you heard screams from under the vehicle. You attempted to help them, but the truck must not have been fully in park as it lurched forward another half turn which rolled over your foot and caught your leg between the wheel. You fell backwards and stuck your head on the hard floor.

**SIMULATION:**

Information	Casualty Simulation Required
<ul style="list-style-type: none"> <li>Crushed Left foot with Leg caught</li> </ul>	<ul style="list-style-type: none"> <li>Severe bruising and crush injury to the left foot inside of shoe. Abrasions to the top of the foot.</li> </ul>
<ul style="list-style-type: none"> <li>CLOSED Fx of the left lower leg</li> </ul>	<ul style="list-style-type: none"> <li>Swelling and Bruising front of shin from a twisting force while patient foot pinned and falling backwards.</li> </ul>
<ul style="list-style-type: none"> <li>Blunt force Laceration to the back of head</li> </ul>	<ul style="list-style-type: none"> <li>2” Lac with significant blood pool behind the patient and puddle on the floor.</li> </ul>

**SAMPLE/ HISTORY:**

<b>S</b>	Dizziness and headache. Pain in the LEFT leg.
<b>A</b>	None
<b>M</b>	None
<b>P</b>	Previously Healthy
<b>L</b>	Ate (breakfast or lunch) as normal
<b>E</b>	Trying to help coworker, truck rolled forward and rolled over your foot.

**LEG PAIN: TOES UP TO KNEE**

<b>O</b>	Truck rolled over foot
<b>P</b>	Any movement increases pain
<b>Q</b>	Moderate throbbing pain.
<b>R</b>	Foot radiates up to the lower leg.
<b>S</b>	6/10; mvt increases to 8/10
<b>T</b>	happened a few minutes before the team arrived.

**VITAL SIGNS:**

	<u>1<sup>st</sup> SET</u>	<u>2<sup>nd</sup> SET</u>
<b>RESP.</b>	30 shallow and rapid	24 shallow and regular
<b>PULSE</b>	132 bounding and rapid	118 rapid and strong
<b>B/P</b>	156/96	144/68
<b>SKIN</b>	Pale, warm and dry	Pale, cool and dry
<b>LOC</b>	Fully Conscious	Slow to respond, but conscious
<b>PUPILS</b>	Equal and reactive	Slow to respond, equal but reactive