

**2024**

# **St. John Ambulance OMFRC Competition First Aid Challenge**

## **TEAM SCENARIO**

### **Scenario # 1 - “Driver”**



### **Background Scenario:**

While returning from a long local event, you witness what appears to be taillights in the trees. A car driving back from soccer practice with family inside crashes after lightning strikes knocks a tree onto the road. Car goes off a 6-foot ditch and impacts on the front and comes to a stop on all four wheels upright.

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

*There will be a 3-minute warning to 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 5-Minutes  
BEFORE THE BEGINNING OF THE SCENARIO**

**LOGISTICS/JUDGES/CASUALTY SIMULATORS INFORMATION -**  
**Scenario # 1**

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

**Scenario Location:** Front Driver Seat in Car

**Team Info:** While returning from a long local event, responders see taillights in the trees. A car driving back from soccer practice with family inside crashes after lightning strikes knocks a tree onto the road. Car goes off a 6-foot ditch and impacts on the front and comes to a stop on all four wheels upright.

**Overall Scenario:** A summer heat wave has resulted in a Lightning storm in the area. While driving home, a young father and son crashed after a lightning strike temporarily blinded the driver and downed a tree. This caused the vehicle to drive off a 6 foot ditch striking the front of the vehicle which becomes stuck. Competitors are returning from an event and see the taillights in the ditch.

**Scenario Set Up:**

- **Total number of patients:** 1 – Found in the driver's seat of car with seatbelt on.
- **Patient #1** – Chest Pain (Steering Wheel) Closed Fractured Left Wrist, Nose Laceration (Bridge), Spinal Fluid from Both Ears, Head Pain - Concussion (Confused)
- **Scenario Props:** Fake Car (Chairs&Tape)
- **First Aid Supplies Required:** FA Kit(s), Splints (legs & Arm), Blankets, PCR's
- **MFR Supplies:** Oxygen Kit(s), CSpine Bag (Collars)

**Timing Notes:**

Team handout/ Scenario background to be given 5 minutes BEFORE the beginning of the scenario.

**0 minutes** – Scenario BEGINS - “GO, GO, GO.”

**3 minutes** – for the end of the marking of “scene/primary survey”

**18 minutes** – 2 minutes remaining - for the team’s benefit.

**20 minutes** – Scenario ENDS. Teams are given **5 minutes** to complete the paperwork.

**25 minutes** - Paperwork ENDS. Evaluators collect PCR immediately and ensure ALL boxes are completed. Initial debrief provided (5 minutes)

**Judges Marking**

- items are scored as either **Completed** or **NOT COMPLETED** if Not **FULLY** completed.
- If teams continue to provide patient care (i.e.: finish tying a bandage, etc.) after time is called, that care will be counted as **NOT COMPLETED**.

**JUDGES/ CASUALTY INFORMATION**

**Patient History Information –**

You picked up your son from his soccer practice and were returning when a lightning strike hit a tree in front of car causing you to veer off the road. **You do not recall these events when responders arrive and are confused about what is going on. Your short term memory is compromised, after asking responders questions you will frequently forget answers.** Towards the end of the scenario you are becoming increasingly drowsy and eventually become verbally responsive only.

**SAMPLE/ HISTORY & OPQRST (pain scale for AMFR/Pro Level):**

|          |                                                                                  | <u>C/C:</u><br>Chest Pain         | <u>C/C:</u><br>Left Wrist         | <u>C/C:</u><br>Head                       |
|----------|----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------|
| <b>S</b> | Pain in Chest, Left Wrist, Head and Neck. Nauseous and Dizzy                     | <b>O- Sudden</b>                  | <b>O- Sudden</b>                  | <b>O- Sudden</b>                          |
| <b>A</b> | NSAIDS (anti-inflammatories, Advil, naproxen, motrin)                            | <b>P- Deep Breathing</b>          | <b>P- Movement</b>                | <b>P- Moving head Lights</b>              |
| <b>M</b> | ASA                                                                              | <b>Q- “Sore”</b>                  | <b>Q- “Sharp”</b>                 | <b>Q- “Pressure” like Head is in Vice</b> |
| <b>P</b> | Stroke in 2013                                                                   | <b>R- Local (Seatbelt Region)</b> | <b>R- Local to Wrist and Hand</b> | <b>R- Moves around Head and into Eyes</b> |
| <b>L</b> | Hamburger w/ Fries (10 minutes Prior)                                            | <b>S- 3/10</b>                    | <b>S- 6/10</b>                    | <b>S- 8/10</b>                            |
| <b>E</b> | Cannot Recall, Remembers picking up son and driving then “everything went black” | <b>T – 15 Minutes</b>             | <b>T – 15 Minutes</b>             | <b>T – 15 Minutes</b>                     |

**VITAL SIGNS:**

|               | <u>1<sup>st</sup> SET</u> | <u>2<sup>nd</sup> SET</u> | <u>3<sup>rd</sup> SET</u>                                        |
|---------------|---------------------------|---------------------------|------------------------------------------------------------------|
| <b>LOC</b>    | Alert -                   | Alert                     | Verbal                                                           |
| <b>RESP.</b>  | 24, Full & Regular        | 22, Full & Regular        | 20, Full & Regular                                               |
| <b>PULSE</b>  | 110bpm-Regular-Strong     | 82bpm-Regular-Strong      | 54bpm-Regular-Bounding                                           |
| <b>SKIN</b>   | Warm, Pink, Wet           | Warm, Pink, Wet           | Pale, Cool, Clammy                                               |
| <b>PUPILS</b> | 4mm PEARL                 | 4MM PEARL                 | L:2mm R:5mm<br>Right Non-Responsive To Light                     |
| <b>B/P</b>    | 132/86                    | 164/82                    | 186/70                                                           |
| <b>SP02</b>   | 98% Room Air              | 96% Room Air              | 89% Room air<br>96% With Nasal Prongs<br>99% with Non-Rebreather |
| <b>GCS</b>    | 15                        | 13                        | 12                                                               |

**CASUALTY SIMULATORS INFORMATION**

**SIMULATION:**

| Information                      | Casualty Simulation Required                                                                                                                                                                                                         | Example                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>General Appearance</b></p> | <p>Minor Cuts/Abrasions to the Face</p> <ul style="list-style-type: none"> <li>- 3” Laceration to bridge of nose w/ Bleeding</li> <li>- CSF Draining from ears</li> <li>- Small Amount of blood in mouth (Cut Lip/Tongue)</li> </ul> |    |
| <p><b>Chest</b></p>              | <p>Seat belt Rash/Bruising</p> <ul style="list-style-type: none"> <li>- Mostly on Right Shoulder/Trap Area</li> <li>- More Discolouration than bleeding</li> </ul>                                                                   |   |
| <p><b>Left Wrist</b></p>         | <p>Closed Fracture with Discolouration and Deformity.</p> <ul style="list-style-type: none"> <li>- Discolouration leading into hand from wrist</li> </ul>                                                                            |  |