

2006

36th Annual Ontario Open First Aid Competition

Bus INDIVIDUAL SCENARIO

Background Scenario

The setting for this problem is a public transit bus and the team member will be seated on the bus.

The scenario starts when you open the doors to allow the casualties to enter. The casualties are playing the part of college students and will be carrying knapsacks (or shopping bags).

They will enter fairly loudly and eating Halloween candies and drop their knapsacks / shopping bags in a pile in the seat in front of them. One of the students has an anaphylactic allergy to peanuts.

This casualty will start to cough (an early sign of anaphylaxis and bronchospasm) and will say loudly “ I THOUGHT YOU SAID THAT THESE WERE NUT FREE !”

You as judge will initially play the part of BUS DRIVER (i.e. sitting in the driver’s seat). You should position your clipboard out of view. This will make it very realistic and the team member will be wondering what is going on and who the casualty is going to be!

This position will also allow you to see the team member as they come on and then move down the aisle as the problem unfolds.

The one student with the reaction will then progress to wheezing for two minutes and then into anaphylaxis (stridor and unable to talk, swelling lips/tongue and hives) from that point on.

The team will have to identify a possible allergic reaction (versus a choking episode), find the EpiPen in the appropriate bag and give treatment. There will also be a ventolin inhaler there too and the really good teams may even give both !

The team will also have to work out calling 911 via the driver and thinking down the line about how they would position the casualty in the bus etc etc.

Casualty

INJURIES

- An evolving anaphylactic reaction to peanuts in Halloween candy that starts off with some bronchospasm (i.e. wheezing) then progresses over 2 minutes to anaphylaxis (i.e. stridor, tongue swelling, unable to speak, very difficult breathing)
- The casualty will have hives on forearm (ie irregular outlined raised spots)

PROPS

- Casualty and bystander(s) are wearing street clothes. The casualty will have a long sleeve shirt to cover the hives
- Each bystander will carry a shopping bag that has miscellaneous items or clothing inside
- Each Casualty’s bag needs some miscellaneous stuff but also the Ventolin inhaler and EpiPen labelled with an appropriate male name ie John Smith
- The Casualty needs a Medic-Alert bracelet saying “ANAPHYLAXIS – Peanuts”
- A supply of little Halloween candies to last for the running of all of the problems
- First aid kits will be supplied by us and in the bus – and can but likely need not be accessed
- Ideally there would be 3 actors per site; 1 casualty and 2 bystanders
- A spare Casualty – so that one casualty per problem session can be given a rest period

- A Supply of bottled water for the casualties is desired – pretend wheezing and pretend stridor can dry out your throat !
- **Sample Labels:**
Ventolin: John SMITH
Ventolin 100mcg/spray Take 2 sprays when needed Dr. Jones
- Epipen: John SMITH
Epinephrine 1:1000 0.3ml/dose
Administer injection in event of Anaphylactic reaction Dr. Jones

CASUALTY and JUDGE'S PROMPTS

- Will remain CONSCIOUS throughout
- The casualty will deny they are choking if asked
- Casualties will be taught how to make a wheezing sound
- Casualties will be taught how to make a stridor sound
- Casualties will be shown how to simulate facial swelling (protrude tongue, etc)
- The Casualty will be able to talk when they are wheezing but NOT when they are in stridor
- The Casualty will be able to NOD THEIR HEAD yes or no AT ALL TIMES
- The Casualty will be taught to give the name that appears on the medications
- The bystanders will know the Casualty's first name but not their address or any other information.
- The Casualty is not carrying any identification.
- The judge will play the role of BUS DRIVER and will be able to call 911 via the bus radio, and be able to give the location of the bus to 911. The ambulance ETA will be 20 minutes.
- The judge will not be able to assist in lifting or moving the casualty because of a "BAD BACK – HAD SURGERY AND EVERYTHING"
- After one minute of wheezing the casualty will ask for his "PUFFER AND PEN"
- The Casualty will know the location of his medications if asked
- The Casualty will be wearing a Medical Alert Bracelet (Anaphylaxis – Nuts)
- The CASUALTY and JUDGE need to position themselves and maintain eye contact throughout the scenario in order ensure that time cues are passed on

JUDGE'S PROMPTS

- Judges need to keep their own times
- Time Cues:
 - **0 – 3 minutes:** Casualty is coughing, can speak, marks earned for scene and primary survey
 - **3- 4 minutes:** Casualty is wheezing
 - **4 minute mark:** Casualty says: "I NEED MY PUFFER AND PEN"
 - **4 - 5 minutes:** Casualty is wheezing
 - **5 minutes and on:** Casualty will have stridor and swelling
 - **Final 2 minutes:** Judge gives warning to team member

**** If treatment with Ventolin or Epipen is given the casualty will start improving after 1 minute ****

- Vital Signs **BEFORE TREATMENT:**
- 1st set BEFORE TREATMENT:
- Conscious, Temp: Warm, Dry, Hives ; Pulse: 100 full, reg, Resp: 20 shallow, reg, Pupils: 3 mm, equal, reactive
- 2nd set BEFORE TREATMENT:
- Conscious, Temp Warm, moist, Hives; Pulse 130 weak, reg, Resp 22 shallow, reg, Pupils 3 mm equal, reactive
- Vital Signs **AFTER TREATMENT:**
- 1st set AFTER TREATMENT:
- Conscious, Temp Warm, moist, Less Hives; Pulse 110 full reg, Resp 20 full reg, Pupils 3 mm equal reactive, slight wheeze only
- 2nd set AFTER TREATMENT:
- Conscious, Temp Warm, Dry, Less Hives; Pulse 85 full reg, Resp 18 full, reg, Pupils 3 mm equal, reactive, breathing clear

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Individual “RED” Information

Please print the following information:

Team Number _____

Team Member #1 (Red) _____

Judge's Name _____

SCORING SUMMARY

Casualty – (Primary) Page 4 , Page Total	_____
(Possible 220)	
Casualty – (Secondary) Page 5 , Page Total	_____
(Possible 150)	
Casualty – (Secondary) Page 6 , Page Total	_____
(Possible 170)	
Casualty – (Secondary) Page 7 , Page Total	_____
(Possible 180)	
Casualty – (Secondary) Page 8 , Page Total	_____
(Possible 160)	

Casualty: Primary + Secondary Total (Possible 880)

Individual Scenario

SCENE / PRIMARY SURVEY: This section is active for the first 3 minutes of the scenario only. During these first 3 minutes, the competitor may perform the actions that are both listed here and in the Secondary Survey. After the 3 minutes, the competitor is eligible to receive marks only in the Secondary Survey and no marks may be awarded in this Primary Survey. <i>Actions in this section may be done in any order.</i>		A/S	P O I N T S	N O T D O N E
1.1	Did First Aider take charge of the situation? <i>(get up from seat, tell driver of possible problem)</i>	S	10	0
1.2	Did First Aider I.D. self and offer to help?	A/S	10	0
1.3	Did First Aider activate EMS via the driver ? <i>(if Yes, Judge driver is able to call via bus radio)</i>	S	20	0
	<i>or</i> Did First Aider use their own cell phone to call 911	S	10	0
1.4	Did First Aider put on protective gloves? <i>(vinyl, etc; must actually be worn to receive marks)</i>	A	10	0
1.5	Were hazards assessed? <i>(none apparent)</i>	S	5	0
1.6	Did First Aider determine if there are other casualties?	S	10	0
1.7	Did First Aider determine/state the mechanism of injury? <i>(ie did First Aider suspect Anaphylaxis from nuts in candy)</i>	A/S	20	0
1.8	Did First Aider assess responsiveness? <i>(Casualty is conscious, coughing but can speak)</i>	A/S	10	0
1.9	Did First Aider assess airway? <i>(patent but coughing)</i>	A/S	10	0
1.10	Did First Aider assess breathing? <i>(see Judges notes)</i>	A/S	10	0
1.11	Did First Aider assess pulse? <i>(see judges notes)</i>	A/S	10	0
1.12	Did First Aider perform a rapid body survey?	A/S	10	0
1.13	Did First Aider assess the casualty's skin condition or temperature? <i>(see Judges notes.)</i>	A	5	0
1.14	Did First Aider assess and identify the hives on the casualty's skin	A	15	0
1.15	Did the team find the Epipen in the first 3 minutes	A	20	0
1.16	Did the team administer the Epipen in the first 3 minutes	A	20	0
1.17	Did First Aider either clear out the friends or move the casualty to an empty seat	A	15	0
SUB-TOTAL POINTS AWARDED <i>(Possible 220)</i>				

SECONDARY SURVEY: Actions in this section may be performed by the competitor in the first 2 minutes of the scenario as well as the Primary Survey . After the first 2 minutes, this is the only section that points shall be awarded to. <i>Actions in this section may be done in any order.</i>		A/S	P O I N T S	N O T D O N E
2.0	History of the casualty:			
2.1	Did the First Aider ask bystanders if they know casualty? <i>(friends know his first name only)</i>	S	10	0
2.2	Did the First Aider check for a medical alert device? <i>(bracelet, necklace etc.) (Anaphylaxis – Peanuts)</i>	A/S	20	0
2.3	Did the First Aider ask casualty about any allergies? <i>(Peanuts)</i>	S	10	0
2.4	Did the First Aider ask specifically about Medication Allergies? <i>(none)</i>	S	10	0
2.5	Did the First Aider ask casualty if he/she had eaten? <i>(Halloween candies)</i>	S	10	0
2.6	Did First Aider ask casualty if he/she had any other medical history? <i>(anaphylactic reaction to peanuts)</i>	S	10	0
2.7	Did First Aider look for the candy package to check contents? <i>(packages not available were thrown out and candies mixed together)</i>	S	10	0
2.8	Did First Aider ask Casualty if they thought that they were having an Anaphylactic reaction <i>(casualty says they think so)</i>	S	10	0
3.0	Casualty's Vital Signs Assessment <i>(see JUDGE'S NOTES FOR ALL RESPONSES)</i>			
3.1	Did First Aider determine Level of Consciousness?	A	10	0
3.2.	Did First Aider assess Respirations?	A	10	0
3.3	Did First Aider assess Pulse?	A	10	0
3.4	Did First Aider assess Skin Condition?	A/S	10	0
3.5	Did First Aider check Skin Temperature?	A	10	0
3.5	Did First Aider check Pupils?	A	10	0
SUB-TOTAL POINTS AWARDED (Possible 150)				

4.0	Casualty - Head to Toe Assessment			
4.1	Check scalp? <i>(no deformity)</i>	A	5	0
4.2	Check eyes ? <i>(pupils 3mm equal and reacts to light)</i>	A	5	0
4.3	Check nose? <i>(no deformity)</i>	A	5	0
4.4	Check mouth? <i>(swelling of tongue if in stridor phase)</i>	A	10	0
4.5	Check jaw? <i>(no deformity)</i>	A	5	0
4.6	Check ears? <i>(no deformity)</i>	A	5	0
4.7	Check neck? <i>(no deformity)</i>	A	5	0
4.8	Check collarbones? <i>(no deformity)</i>	A	5	0
4.9	Check shoulders? <i>(no deformity)</i>	A	5	0
4.10	Check arms/hands? <i>(hives on arms)</i>	A	10	0
4.11	Check chest? <i>(working to breath if done pre treatment)</i>	A	5	0
4.12	Check abdomen? <i>(no deformity)</i>	A	5	0
4.13	Check back? <i>(no deformity)</i>	A	5	0
4.14	Check pelvis? <i>(no deformity)</i>	A	5	0
4.15	Check both legs? <i>(no deformity)</i>	A	5	0
4.16	Check both ankles and feet? <i>(no deformity)</i>	A	5	0
5.0	WHEEZING:			
5.1	Was the wheezing recognized?	A/S	15	0
5.2	Was the patient directed to lean forward to help with breathing?	A	10	0
5.3	Was the first aider able to find the casualty's puffer?	A	10	0
5.4	Did the first aider ask if they wanted help with the puffer ?	A	10	0
5.5	Did the first aider check the "5 Rights" of the medication ?	A	10	0
5.6	Did the first aider shake the inhaler and hand it to the patient ?	A	10	0
5.7	Did the first aider assemble the Spacer device and insert the inhaler properly before giving it to the patient ?	A	15	0
SUB-TOTAL POINTS AWARDED (Possible 170)				

6.0	EPIPEN ASSISTING: Was the need for the EpiPen realized?	A/S	10	0
6.1	Was the information on the EpiPen verified with the casualty	A	10	0
6.2	Was the EpiPen uncapped and then handed to the casualty	A	5	0
6.3	Was the injection site exposed ie. Thigh, arm	A	5	0
6.4	Was the injection site cleansed with alcohol	A	5	0
6.5	Was the used EpiPen treated with extra safety as a sharp	A	10	0
6.6	Did the First Aider verify with the Casualty that the EpiPen injected	A	10	0
7.0	SHOCK AND GENERAL			
7.1	Was effort made to maintain the casualty's body heat?	A	10	0
7.2	Was casualty reassured?	A	5	0
7.3	Was casualty reassured more than once?	A	10	0
7.4	Was the casualty kept at rest throughout treatment?	A	5	0
7.5	Did the First Aider find the patients medication within the first 4 minutes (ie before the patient starts with the stridor)	A	15	0
8.0	FOLLOW UP VITALS	X	X	X
8.1	Did First Aider determine Level of Consciousness?	A	5	0
8.2.	Did First Aider assess Respirations?	A	5	0
8.3	Did First Aider assess Pulse?	A	5	0
8.4	Did First Aider assess Skin Condition?	A/S	5	0
8.5	Did First Aider check Skin Temperature?	A	5	0
8.6	Did First Aider check Pupils?	A	5	0
8.7	FOLLOW UP VITALS (THIRD SET) ** Give points only if these vitals taken after EPIPEN given **	X	X	X
8.8	Did First Aider determine Level of Consciousness?	A	5	0
8.9.	Did First Aider assess Respirations?	A	5	0
8.10	Did First Aider assess Pulse?	A	5	0
8.11	Did First Aider assess Skin Condition?	A/S	5	0
8.12	Did First Aider check Skin Temperature?	A	5	0
8.13	Did First Aider check Pupils?	A	5	0
8.14	Personal Protective Equipment: Were gloves worn for duration of scenario ?	A	10	0
8.15	Were gloves effective ? (Judges Note: torn gloves must be replaced.)	A	10	0
SUB-TOTAL POINTS AWARDED (Possible 180)				

9.0	Recording			
9.1	Was the date and time recorded?	A	5	0
9.2	Was the patient's name recorded? <i>(only if record full name)</i>	A	5	0
9.3	Was the First Aider's name recorded?	A	5	0
9.4	Was the initial Level of Consciousness recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.5	Was the initial Respirations recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.6	Was the initial Pulse recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.7	Was the initial Skin Condition recorded with the time taken? <i>(If hives or "bumps" not recorded, then no mark.)</i>	A	5	0
9.8	Was the initial Skin Temperature recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.9	Was incident history recorded ? <i>(poss. Exposure to peanuts)</i>	A	5	0
9.10	Was the presence of wheezing recorded?	A	5	0
9.11	Was the presence of stridor recorded ?	A	5	0
9.12	Was the presence of an anaphylactic reaction recorded?	A	5	0
9.13	Was the treatment for the WHEEZING ie. assist with puffer recorded?	A	5	0
9.14	Was the number of puffs taken recorded accurately ?	A	5	0
9.15	Was the time that the puffs were taken recorded accurately ?	A	5	0
9.16	Was the response to the puffer recorded accurately ?	A	5	0
9.17	Was the treatment for the ANAPHYLAXIS ie. Epipen recorded?	A	5	0
9.18	Was the number of Injections or dose given recorded accurately ?	A	5	0
9.19	Was the time that the Epipen was taken recorded accurately ?	A	5	0
9.20	Was the response to the Epipen recorded accurately ?	A	5	0
9.21	Was the site of the Epipen injection recorded accurately?	A	5	0
9.22	Did the First Aider record patient's medical condition of Anaphylactic allergy to peanuts?	A	5	0
9.23	Did the First Aider record that the patient had eaten recently?	A	5	0
9.24	Was the reassessed Level of Consciousness recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.25	Was the reassessed Respirations recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.26	Was the reassessed Pulse recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.27	Was the reassessed Skin Condition recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.28	Was the reassessed Skin Temperature recorded with time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.29	Was a THIRD set of Respirations recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.30	Was a THIRD Pulse recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.31	Was a THIRD Skin Condition recorded with the time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
9.32	Was a THIRD Skin Temperature recorded with time taken? <i>(If no time recorded, then no mark.)</i>	A	5	0
SUB-TOTAL POINTS AWARDED				
(Possible 160)				