

## 2012 Ontario Medical First Response Challenge

### ***Residence* - TEAM SCENARIO**

#### **Background Scenario**

You are on-duty members of the local Campus Response Team. You are relaxing in the residence lobby when you receive a call from your dispatcher instructing you to respond to a student residence room for a 22 year old patient complaining of “feeling generally unwell, feeling faint and having palpitations”.

There will be a 10 minute warning to the judges to signify the end of the primary survey.  
There will also be a 2 minute left signal for the team’s benefit.

#### **Judges’ Background – Do not share with competitors**

The casualty is a student who resides in the college residences. He has a history of heart problems but this has not interfered with his active lifestyle until now. The casualty began feeling unwell after exercising and, after returning to his residence room, calls the CRT for assistance. 10 minutes after calling for assistance, the casualty will become VSA. Application of AED will result in two shocks then one *no-shock*, after which there will be return of spontaneous circulation. Casualty remains responsive to voice only for remainder of scenario. **If AED not applied – casualty remains VSA for duration of scenario.**

#### **INJURIES / ILLNESS**

- Initially complains of “feeling generally unwell, feeling faint and having palpitations”.
- Additional symptoms: chest discomfort, slight shortness of breath, nausea, excessive sweating.
- Casualty will be pale and diaphoretic.
- 10 minutes into the scenario the casualty will become VSA.
- ROSC occurs after AED & CPR.

#### **CASUALTY PROMPTS**

- Casualty is found lying on their side on the bed in the residence room.
- You are fully conscious initially and able to answer questions.
- Chief Complaint (if asked): you are “feeling generally unwell, feeling faint and having palpitations”.
- If asked: you also have chest discomfort, slight shortness of breath, nausea and excessive sweating.
- If asked: you have a history of Wolff-Parkinson-White syndrome (WPW) (if asked – this is a heart condition).
- If asked: you were diagnosed in childhood
- If asked: The WPW does not usually cause you any problems or interfere with activity.
- If asked: you have no allergies, take no medications, and have no other medical history.
- At the 10-minute signal, you will become unresponsive.
- After resuscitation, responsive to voice for remainder of scenario.

### PROPS

- Wall-mounted AED in display case in lobby **OR** AED in first aid kit
- AED trainer must be programmed to: shock, shock, no-shock, no-shock, no-shock
- first aid kit , no specific contents other than:
  - 2 x patient care records
  - Gloves, all sizes
  - pocket mask
  - BP cuff (adult)
  - stethoscope
  - pen light
- portable oxygen kit (including D cylinder, regulator & key, NRB mask, BVM, suction device)

### JUDGES PROMPTS

#### VITAL SIGNS:

	<b>1<sup>st</sup> Set</b>	<b>After resuscitation *</b>
Respiration	24, shallow, regular	14, shallow, regular
Pulse	156 weak, irregular	78, weak, regular
Skin	Pale, Cool, Moist	Pale, Cool, Moist
Blood Pressure	88/56 mmHg	96/62 mmHg
LOC	Alert (GCS 15)	Responsive to voice (GCS 10)
LOA	Oriented x 3	n/a
Pupils	PERL 4mm	PERL 4mm

**\* If AED not applied – casualty remains VSA for duration of scenario.**

- Signs “as found”
- Symptoms “feeling generally unwell, feeling faint and having palpitations”  
“chest discomfort, slight shortness of breath, nausea and excessive sweating”
- Allergies: None
- Meds: None
- Past Hx: Wolff- Parkinson-White syndrome (diagnosed in childhood)
- Last Meal: “full meal, 3 hours ago”
- Events: “finished regular exercise routine, suddenly felt unwell”

#### Pain assessment: Chest discomfort

- Onset: sudden
- Provoke/Palliate: nothing
- Quality: “tightness”
- Region: generalized sub-sternal – not radiating
- Severity: 2/10
- Time: immediately before the call to the campus response team
- IF AUSCULTATED – breath sounds are clear bilaterally (apices and bases)
- Judge informs team that the area is safe - IF ASKED.

## 2012 Ontario Medical First Response Challenge

***“Residence”*** TEAM SCENARIO

Team Number \_\_\_\_\_

Team Member #1 \_\_\_\_\_

Team Member #2 \_\_\_\_\_

Judges' Names \_\_\_\_\_

Page 4 Primary Survey	(Possible 300) Sub-Total	_____
Page 5, Secondary Survey	(Possible 200) Sub-Total	_____
Page 6, Resus, Shock, General	(Possible 500) Sub-Total	_____
Page 7, Recording	(Possible 150) Sub-Total	_____
	(Possible 1150) <b>Total</b>	_____

**Total Points Awarded**

(Possible 1150)

<b>SCENE / PRIMARY SURVEY:</b> This section is active for the first 10 minutes of the scenario only. During these first 10 minutes, the competitors may perform the actions that are both listed here and in the Secondary Survey. After the 10 minutes, the competitors are eligible to receive marks only in the Resuscitation section and no marks may be awarded in this section. <b>Actions in this section may be done in any order.</b>		A/S	P O I N T S	N O T D O N E
1.1	Did a First Aider take charge of the situation? (advises casualty not to move? )	A/S	20	0
1.2	Did both First Aiders I.D. themselves? (both named for points)	S	20	0
1.3	Did First Aiders obtain consent to help? (given)	S	20	0
1.4	Were hazards assessed? (none)	A/S	20	0
1.5	Did First Aiders put on protective gloves?	A	20	0
1.6	Did First Aiders determine if there are other casualties? (none)	S	20	0
1.7	Did First Aiders determine the history of incident? (feeling unwell after exercise)	A/S	20	0
1.8	Did First Aiders assess responsiveness? (alert) OR (GCS 15)	A/S	20	0
1.9	Did First Aiders assess Airway? (casualty has patent airway)	A/S	20	0
1.10	Did First Aiders assess Breathing? (24 shallow and regular)	A	20	0
1.11	Did First Aiders administer O <sub>2</sub> ? (non-rebreather @ 10 – 15 LPM)	A	20	0
1.12	Did First Aider assess Circulation – Skin condition & temperature? (pale, cool, moist)	A	20	0
1.13	Did First Aider assess Circulation – Carotid and radial pulses? (present, radial weak)	A	20	0
1.14	Was casualty positioned semi-sitting & supported?	A/S	20	0
1.15	Did First Aider activate EMS?	A/S	20	0
<b>PAGE 4 SUB-TOTAL POINTS AWARDED</b>  Primary Survey (Possible 300)				

<b>SECONDARY SURVEY:</b> This section is active for the first 10 minutes of the scenario only. During these first 10 minutes, the competitors may perform the actions that are both listed here and in the Primary Survey. After the 10 minutes, the competitors are eligible to receive marks only in the Resuscitation section and no marks may be awarded in this section. <b>Actions in this section may be done in any order.</b>		A/S	P O I N T S	N O T  D O N E
<b>2.0</b>	<b>HISTORY OF THE CASUALTY:</b>			
2.1	Did the First Aider ask the casualty's name?	S	10	0
2.2	Did the First Aider ask about symptoms? ( <i>feeling unwell, faint &amp; palpitations; also chest discomfort, slight SOB, nausea, diaphoresis</i> )	S	10	0
2.3	Did the First Aider ask if casualty has any allergies? ( <i>none</i> )	S	10	0
2.4	Did First Aider ask casualty if they take any meds? ( <i>none</i> )	S	10	0
2.5	Did the First Aider ask about Past Medical History? ( <i>Wolff-Parkinson-White syndrome - diagnosed in childhood</i> )	S	10	0
2.6	Did the First Aider ask if casualty had eaten? ( <i>"full meal, 3 hours ago"</i> )	S	10	0
2.7	Did First Aider ask casualty how the incident happened? ( <i>"finished regular exercise routine, suddenly felt unwell"</i> )	S	10	0
<b>2.8</b>	<b>PAIN ASSESSMENT: (chest discomfort)</b>	S	10	0
	Did First Aider ask about onset? ( <i>sudden</i> )			
2.9	Did First Aider ask about provocation & palliation? ( <i>none</i> )	S	10	0
2.10	Did First Aider ask about quality? ( <i>tightness</i> )	S	10	0
2.11	Did First Aider ask about region/radiation? ( <i>sub-sternal / not radiating</i> )	S	10	0
2.12	Did First Aider ask about severity? ( <i>2/10</i> )	S	10	0
2.13	Did First Aider ask about time? ( <i>immediately before calling team</i> )	S	10	0
<b>3.0</b>	<b>CASUALTY'S VITAL SIGNS ASSESSMENT</b>			
3.1	Did First Aider assess Level of Consciousness? ( <i>alert/ GCS 15</i> )	A/S	10	0
3.2	Did First Aider assess Level of Awareness? ( <i>oriented x 3</i> )	A/S	10	0
3.3	Did First Aider assess Respiration? ( <i>24 shallow and regular.</i> )	A	10	0
3.4	Did First Aider assess Pulse? ( <i>156 weak &amp; irregular.</i> )	A	10	0
3.5	Did First Aider assess Skin? ( <i>pale, cool, and moist</i> )	A	10	0
3.6	Did First Aider assess Blood Pressure? ( <i>88/56</i> )	A	10	0
3.7	Did First Aider assess Pupils? ( <i>PERL 4mm</i> )	A	10	0
<b>PAGE 5 SUB-TOTAL POINTS AWARDED</b>				
Secondary Survey (Possible 200)				

4.0	<b>RESUSCITATION: (AFTER LOSS OF CONSCIOUSNESS)</b> After the first 10 minutes, this is the only section that points shall be awarded to.	A/S	P O I N T S	N O T  D O N E
4.1	Was responsiveness assessed? ( <i>unresponsive</i> )	A	20	0
4.2	Was EMS updated?	A/S	20	0
4.3	Was the airway opened? ( <i>head tilt chin lift</i> )	A	20	0
4.4	Were carotid pulse & breathing assessed simultaneously for between 5 to 10 seconds? ( <i>absent</i> )	A	20	0
4.5	Was CPR started immediately, starting with compressions?	A	20	0
4.6	Was the AED switched on?	A	20	0
4.7	Was the casualty's chest wiped with towel?	A	20	0
4.8	Were the electrode pads applied correctly?	A	20	0
4.9	Was the casualty 'clear' during 1 <sup>st</sup> analysis? ( <i>shock advised</i> )	A/S	20	0
4.10	Was the casualty 'clear' during 1 <sup>st</sup> shock delivery?	A/S	20	0
4.11	Was effective CPR provided after 1 <sup>st</sup> shock delivery? ( <i>at a rate of 30:2 starting with compressions</i> )	A	20	0
4.12	Was supplemental oxygen administered via BVM? ( <i>15 LPM</i> )	A	20	0
4.13	Was the casualty 'clear' during 2 <sup>nd</sup> analysis? ( <i>shock advised</i> )	A/S	20	0
4.14	Was the casualty 'clear' during 2 <sup>nd</sup> shock delivery?	A/S	20	0
4.15	Was effective CPR provided after 2 <sup>nd</sup> shock delivery? ( <i>at a rate of 30:2 starting with compressions</i> )	A	20	0
4.16	Was the casualty 'clear' during 3 <sup>rd</sup> analysis? ( <i>no shock advised</i> )	A/S	20	0
4.17	Were carotid pulse & breathing assessed? ( <i>present</i> )	A	20	0
4.18	Was breathing assessed for adequacy? ( <i>14 shallow and regular</i> )	A	20	0
4.19	Was oxygen re-administered? ( <i>non-rebreather @ 10 – 15 LPM</i> )	A	20	0
4.20	Was the casualty placed in the recovery position?	A	20	0
4.21	Was the AED left connected to casualty and switched on?	A	20	0
4.22	Was the casualty 'clear' during subsequent analyses?	A/S	20	0
5.0	<b>SHOCK AND GENERAL</b>			
5.1	Was casualty covered "over" to lessen shock?	A	10	0
5.2	Was Level of Consciousness reassessed? ( <i>responsive to voice</i> ) OR ( <i>GCS 10: eyes open to verbal stimulus, makes incomprehensible sounds, localizes pain</i> )	A/S	10	0
5.3	Was respiration reassessed? ( <i>14 shallow regular</i> )	A	10	0
5.4	Was pulse reassessed? ( <i>78 regular &amp; weak</i> )	A	10	0
5.5	Was skin reassessed? ( <i>pale, cool and moist</i> )	A	10	0
5.6	Was blood pressure reassessed? ( <i>96/62</i> )	A	10	0
<b>PAGE 6 SUB-TOTAL POINTS AWARDED</b>				
Resuscitation, Shock & General (Possible 500)				

<b>6.0</b>	<b>RECORDING</b>			
6.1	Was the incident date and time recorded?	A	5	0
6.2	Was the Casualty's name recorded?	A	5	0
6.3	Were both the First Aiders' names recorded?	A	5	0
6.4	Was incident history recorded?	A	5	0
6.5	Was administration of Oxygen recorded?	A	5	0
6.6	Was feeling generally unwell recorded?	A	5	0
6.7	Was feeling faint recorded?	A	5	0
6.8	Was feeling of palpitations recorded?	A	5	0
6.9	Was chest discomfort recorded?	A	5	0
6.10	Was slight SOB recorded?	A	5	0
6.11	Was nausea recorded?	A	5	0
6.12	Was diaphoresis recorded?	A	5	0
6.13	Was "no known allergies" recorded?	A	5	0
6.14	Was "no medications" recorded?	A	5	0
6.15	Was Hx of Wolff-Parkinson-White recorded?	A	5	0
6.16	Was time of cardiac arrest recorded?	A	5	0
6.17	Was time CPR started recorded?	A	5	0
6.18	Was time of first shock recorded?	A	5	0
6.19	Were total number of shocks recorded?	A	5	0
6.20	Was the 1 <sup>st</sup> vital signs Level of Consciousness recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.21	Was the 1 <sup>st</sup> vital signs Level of Awareness recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.22	Was the 1 <sup>st</sup> vital signs Blood Pressure recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.23	Was the 1 <sup>st</sup> vital signs Respiration recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.24	Was the 1 <sup>st</sup> vital signs Pulse recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.25	Was the 1 <sup>st</sup> vital signs Skin Condition recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.26	Was the 2 <sup>nd</sup> vital signs Level of Consciousness recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.27	Was the 2 <sup>nd</sup> vital signs Blood Pressure recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.28	Was the 2 <sup>nd</sup> vital signs Respiration recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.29	Was the 2 <sup>nd</sup> vital signs Pulse recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
6.30	Was the 2 <sup>nd</sup> vital signs Skin Condition recorded with the time taken? <i>(If no time recorded, no mark.)</i>	A	5	0
<b>PAGE 7 SUB-TOTAL POINTS AWARDED</b>				
Recording (Possible 150)				