

# 1998 NATIONAL PATIENT CARE COMPETITION

**CHALLENGE:** Senior TC-Two

**CLASSIFICATION:** Senior Challenge

**TIME LIMIT:** 20 Minutes

**SCENARIO:** You have been invited to learn about raft and water safety in the swimming complex of the Saint-Jean Garrison prior to the start of the National Patient Care Competitions.

As this will be a hands-on practical learning session you will need to change into swimming attire to participate.

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## Props

- 1 6 Person Life Raft
- 1 Pool safety equipment (spine board, floats, swimming boards, etc)
- 1 Telephone
- 1 Rescue Training Mannikin (70 Kg)
- 4 Adult PFD
- 1 Child PFD (worn by child in the raft)
- 1 First Aid Kit
  - 12 Triangular Bandages
  - 1 Pair Bandage Scissors
  - 6 7.5 cm Self Conforming Roller Bandages
  - 6 7.5 cm Crepe or Tensor Bandages
  - 2 Rolls 2.5 cm Adhesive Tape
  - 12 Sterile 7.5 cm x 7.cm Gauze Pads
  - 2 Pressure Dressings
  - 3 15 cm x 20 cm Abdominal / Drainage Pads
  - 6 Pairs Latex Gloves of each size (small, medium, large, x-large)
  - 6 Pairs Vinyl Gloves of each size (small, medium, large, x-large)
  - 6 Patient Care Records
  - 1 Pen
  - 2 Blankets

## Judges' Information

### Patient #1:

The **mannikin** will be the Cardiac Arrest that occurs in the Life Raft. There should be a 12-year old youth in the raft holding up the mannikin as the team arrives from the dressing room. As soon as the team is in view, the person holding the mannikin screams out that they need help and lets the mannikin fall to the bottom of the raft.

**Injuries:** - cardiac arrest

**Vital Signs:**           **Initial**  
LOC    -   no response  
Pulse   -   absent  
Resp    -   absent  
Pupils  -   dilated  
Skin    -   pale, cool, moist

**Simulator Information:** - Rescue Mannikin in Life Raft

### Patient #2:

The second patient will be the youth in the raft with his father. He will be obviously upset, and screams for someone to come and help his father.

**Vital Signs:** - as found

**Patient #2 Information:** You are anxious and distressed that your father has collapsed in the boat and will remain agitated screaming for help. You will follow instructions if directed by the team. Once you are on the pool deck you will keep asking if your father will be all right.

You can provide information that your father has had Angina for many years and was complaining of being tired this morning before coming to the swimming pool. He complained about having a heaviness in his chest just minutes before collapsing in the raft.

**\*\*\*As a safety precaution, the patient must be wearing a PFD\*\*\***

**Simulator Information:** - none required

**Patient #3:**

Young female will be found lying on the pool deck at the side of the sitting area shortly after the team has started the challenge. Someone will shout to the team that the female has slipped on the deck and hit her head.

<b>Vital Signs:</b>	<b>Initial</b>	<b>Second</b>
LOT	Alert & Oriented	Alert & Oriented
Pulse	120 weak & rapid	90 strong & regular
Resp	28 shallow & regular	24 shallow & regular
Pupils	Equal & reactive	Equal & reactive
Skin	Pale, Cool	Pale, Cool

**Patient #3  
Information:**

You were running to see if you could help when slipped on the pool deck causing you to fall and hit your head. You have no medical problems and will complain of numbness and tingling in your feet. You did not lose consciousness.

**Simulator  
Information:**

The patient should appear pale with a 2.5 cm bump on the back of the head just below the crown of the skull and above the area where the head rests on the pool deck.

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**Team Name:** \_\_\_\_\_

	<b>Performance Criteria</b>	<b>Possible Mark</b>	<b>Mark Achieved</b>
	Begins Emergency Scene Management (ESM). Performs a Scene Assessment. Makes the area safe for himself and team (no immediate dangers from slipping on pool deck or falling into the pool)	15	
	Follows guidelines for universal precautions by putting on latex or vinyl gloves.	10	
	Identifies himself as a first aider and offers to help.	5	
	Advises the child in the raft to remain calm and determines status of father.	10	
	<b>PATIENT #1 - CARDIAC ARREST</b>		
	Gets the raft to the edge of the pool. (This can either be done by entering the water or having the Teenager in the raft paddle to the edge of the pool)	25	
	Ensure that either the patient in Cardiac Arrest is lifted out of the pool onto the pool deck or a rigid object is placed underneath the patient to provide a rigid surface for CPR.	25	
	Performs a Primary Survey: - determines the level of consciousness - checks for breathing in the position found  ***Patient is not Breathing***  - opens the airway - rechecks breathing - provides two ventilations - checks for carotid pulse  *** MUST BE COMPLETED IN ONE MINUTE ***	10 10  10 10 10 10	
	Performs CPR correctly and effectively.	25	
	Performs a Secondary Survey: - history of the event - records significant findings	10 5	
	<b>Page 4 Subtotal:</b>	<b>190</b>	

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	<b>Performance Criteria</b>	<b>Possible Mark</b>	<b>Mark Achieved</b>
	Assess carotid pulse during compressions for effective chest compressions and in between compressions for spontaneous return of pulse.	15	
	Uses a Mouth-to-Mouth Barrier Device during artificial ventilation	15	
	Calls for an ambulance and emergency services with the following information: <ul style="list-style-type: none"> <li>- location of incident</li> <li>- nature of incident</li> <li>- number of people involved</li> <li>- patient injuries</li> </ul>	5 5 5 5	
	Constantly monitors and reassesses the airway and breathing.	10	
	Completes the Patient Care Records accurately	10	
	Teamwork and problem solving ability to direct patient in handling the raft.	20	
	<b>MANAGEMENT PATIENT #2 (YOUTH IN RAFT)</b>		
	Reassures him that everything will be alright and that once you get the raft to the side of the pool you will take care of his father.	15	
	Ensure that the raft is stabilized securely to the edge of the pool before having the child exit the raft.	15	
	Provides constant reassurance to the child and moves him away from the CPR being performed on his father.	15	
	Obtains information about the father that includes: <ul style="list-style-type: none"> <li>- history of the event (what happened)</li> <li>- onset and type of pain witnessed</li> <li>- determines past and present medical history</li> <li>- medications and allergies</li> <li>- records significant finding</li> </ul>	10 10 5 5 5	
	<b>MANAGEMENT PATIENT #3-HEAD/SPINAL INJURY</b>		
	Performs a Scene Assessment. Makes the area safe for himself and others.	15	
	<b>Page 5 Subtotal:</b>	<b>185</b>	

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	<b>Performance Criteria</b>	<b>Possible Mark</b>	<b>Mark Achieved</b>
	Follows guidelines for universal precautions by putting on latex or vinyl gloves.	10	
	Advises the patient not to move and provides reassurance.	5	
	Performs a Primary Survey: - suspects a possible head and neck injury due to the mechanism of injury. - has the witness continue to steady and support the head and neck - determines the level of consciousness - checks for breathing in the position found	10 10 10 10 10	
	Performs a Rapid Body Survey to determine any severe bleeding and finds minor bleeding to the lower leg.	10	
	Provides manual support to the head and neck in the position found until the patient is turned over to medical help.	15	
	Performs a Secondary Survey: - history of the event - records significant findings	10 5	
	Takes and records vital signs: LOC, pulse, respirations, skin temperature and condition, pupils.	15	
	Performs a head-to-toe examination:	10	
	Guards and treats for shock. Constantly monitors and reassesses the airway and breathing.	10	
	Completes the Patient Care Records accurately	10	
	Provides a complete and accurate report to medical help on the conditions of the patient and the patient care provided.	10	
	<b>Page 6 Subtotal:</b>	<b>160</b>	

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Team Name: \_\_\_\_\_

	Performance Criteria	Possible Mark	Mark Achieved
	<b>TEAMWORK</b>		
	Member One Member Two Member Three Member Four	10 10 10 10	
	<b>PROBLEM SOLVING / PRACTICALITY OF IDEAS</b>		
	Member One Member Two Member Three Member Four	10 10 10 10	
	<b>SENSE OF URGENCY</b>		
	Member One Member Two Member Three Member Four	10 10 10 10	
	<b>CONCERN FOR SAFETY</b>		
	Member One Member Two Member Three Member Four	10 10 10 10	
	<b>Page 7 Subtotal:</b>	<b>160</b>	

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## SUMMARY

Page 4 Senior TC-Two Subtotal: \_\_\_\_\_/190

Page 5 Senior TC-Two Subtotal: \_\_\_\_\_/185

Page 6 Senior TC-Two Subtotal: \_\_\_\_\_/160

Page 7 Senior TC-Two Subtotal: \_\_\_\_\_/160

**Senior TC-Two Total: \_\_\_\_\_/695**

Team Member #1: \_\_\_\_\_ Evaluator's Name: \_\_\_\_\_

Evaluator's Signature: \_\_\_\_\_

Team Member #2: \_\_\_\_\_ Evaluator's Name: \_\_\_\_\_

Evaluator's Signature: \_\_\_\_\_

Team Member #3: \_\_\_\_\_ Evaluator's Name: \_\_\_\_\_

Evaluator's Signature: \_\_\_\_\_

Team Member #4: \_\_\_\_\_ Evaluator's Name: \_\_\_\_\_

Evaluator's Signature: \_\_\_\_\_