

1998 NATIONAL PATIENT CARE COMPETITION

CHALLENGE: Junior TC-One

CLASSIFICATION: Junior

TIME LIMIT: 20 Minutes

SCENARIO: You have been asked to help at the National Patient Care Competitions being held at the Saint-Jean Garrison. Your team has been asked to help with the unloading of equipment at one of the loading docks.

As you approach you hear someone crying out for help.

Props

- 1 Tractor trailer unit or freight truck (truck must be backed up against the loading dock so that it cannot roll backwards)
- 2 Additional trailer units or trucks to block view of the site from the road
- 10 Large empty shipping cardboard cartons
- 10 Small assorted empty cardboard cartons
- 5 Assorted empty barrels
- 1 Stocked Small 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:

Teenage worker lying face up about 2 metres from the back of the trailer with boxes around the patient and one box lying on the left leg. The cartons should be arranged to give the impression

that they have been knocked over by the vehicle as it was backing up.

Injuries: - head injury with a 2.5 cm laceration behind the left ear
- closed fracture to the left anterior leg about 5 cm below the knee

Vital Signs: LOC - alert & orientated
Pulse - 105 strong & regular
Resp - 16 shallow & regular
Pupils - equal & reactive
Skin - pale, cool, moist

Patient #1 Information: You fully recall the incident. You were guiding the truck backing into the loading dock, when suddenly the truck sped up causing boxes to fall from inside trailer on top of you. You remember stumbling backwards away from the boxes striking your head against the loading dock.

Simulator Information: - 2.5 cm laceration behind the left ear
- dried blood in the scalp
- the patient should also appear pale in the early stages of shock
- closed fracture to the leg should have a small bruised bump to indicate swelling

Patient #2:
Teenage worker found sitting leaning against the loading dock wall about 1.5 metres away from the back of the truck. There should be some stacked cartons on the loading dock and a few cartons around where the worker is found sitting.

Injuries: - open fracture left medial wrist (1.75 cm laceration)
- sprained left lateral ankle

Vital Signs: LOC - alert & orientated
Pulse - 90 strong & regular
Resp - 14 shallow & regular
Pupils - equal & reactive
Skin - pale, cool

Patient #2

Information:

You were standing on the loading dock waiting for the truck to back into the loading dock to continue to unload the supplies, when suddenly the truck sped up. You jumped off the loading dock and out of the way in fear of being hit by either the truck or the flying cartons from inside the trailer. You are holding your left hand to keep it from moving but can move your fingers freely if asked.

Simulator

Information:

- 1.75 cm laceration over medial wrist with minimal blood
- swelling and bruising to left lateral ankle
- the patient should also appear pale in the early stages of shock

Patient #3:

Middle aged driver sitting in the truck holding his chest in obvious discomfort and agitated over the fact that he may have seriously injured the teenage workers.

Injuries:

- chest pain due to Angina
- dislocation to right thumb

Vital Signs:

Initial

Second Set

LOC	-	alert & orientated	- alert & orientated
Pulse	-	120 weak & regular	- 104 strong & regular
Resp	-	28 shallow & regular	- 20 shallow & regular
Pupils	-	equal & reactive	- equal & reactive
Skin	-	pale, cool, moist	- pale, cool

Patient #3

Information:

You developed chest pain that radiates down your left arm while backing the truck into the loading dock causing you to step on the gas pedal. You slammed on the brakes causing the steering wheel to spin catching your thumb that was gripping the steering wheel when you realized that the truck had sped up into the teenage worker. You could not find your Nitroglycerine bottle this morning when you left the house for work.

- Medical History - Angina x 5 years
- Medications - Nitroglycerine 0.3 mg
- Allergies - ASA

Simulator

Information:

- swelling and bruising to anterior base of the right thumb
- pale, cool and sweaty

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Team Name: _____

	Performance Criteria	Possible Mark	Mark Achieved
	Begins Emergency Scene Management (ESM). Performs a Scene Assessment. Makes sure the area is safe for himself and team.	15	
	Identifies himself as a first aider and offers to help.	5	
	Ensures that the truck is turned off and secure and the boxes in the trailer are secure from falling.	10	
	Calls for an ambulance with the following information: <ul style="list-style-type: none"> - location of accident - nature of accident - number of people involved 	5 5 5	
	MANAGEMENT PATIENT #1		
	Follow guidelines for universal precautions by putting on latex or vinyl gloves.	10	
	Tells the patient not to move and identifies himself as a first aider and offers to help.	5	
	Suspects the patient has sustained: <ul style="list-style-type: none"> - head/neck injury (head laceration) - fracture to leg - shock 	5 5 5	
	Takes and records vital signs: LOC, pulse, respirations, skin temperature, pupils.	15	
	Manages possible head/neck injury adequately.	15	
	Manages bleeding and dresses laceration adequately.	15	
	Immobilizes leg fracture adequately.	15	
	Guards and gives first aid against shock.	10	
	Continues to monitor airway and breathing.	10	
	Completes Patient Care Records accurately.	5	
	MANAGEMENT PATIENT #2		
	Follows guidelines for universal precautions by putting on latex or vinyl gloves.	10	
	Page 4 Subtotal:	170	

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Team Name: _____

	Performance Criteria	Possible Mark	Mark Achieved
	Tells the patient not to move and identifies himself as a first aider and offers to help.	5	
	Reassures the patient and determines what has occurred to cause the accident.	10	
	Takes and records vital signs: LOC, pulse, respirations, skin temperature, pupils.	15	
	Suspects the patient has sustained: - fractured left wrist - sprained left ankle	10 10	
	Immobilizes the wrist fracture adequately.	15	
	Immobilizes ankle sprain adequately.	15	
	Guards and gives first aid against shock.	10	
	Rechecks vital signs and records findings.	10	
	Completes Patient Care Records accurately.	5	
	MANAGEMENT PATIENT #3		
	Begins Emergency Scene Management. Ensures that the truck is turned off. Follow guidelines for universal precautions by putting on latex or vinyl gloves.	10	
	Tells the patient not to move and identifies himself as a first aider and offers to help.	5	
	Reassures the patient and determines what has occurred to cause the accident.	10	
	Suspects the patient has sustained: - chest pain due to Angina - dislocation to the right thumb - shock	5 5 5	
	Takes and records vital signs: LOC, pulse, respirations, skin temperature, pupils.	15	
	Manages chest pain by calming patient down, reassurance.	10	
	Immobilizes dislocated thumb adequately.	15	
	Page 5 Subtotal:	185	

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Team Name: _____

	Performance Criteria	Possible Mark	Mark Achieved
	Guards and gives first aid against shock.	10	
	Continues to monitor and record vital signs.	10	
	Completes Patient Care Records accurately.	5	
	TEAMWORK		
	Member One	10	
	Member Two	10	
	Member Three	10	
	Member Four	10	
	PROBLEM SOLVING / PRACTICALITY OF IDEAS		
	Team Member One	10	
	Team Member Two	10	
	Team Member Three	10	
	Team Member Four	10	
	Page 6 Subtotal:	105	

Summary

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Junior TC-One Total: _____/460

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Challenge Number: Junior TC-One

Team Name: _____

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: _____