

Team Number: _____

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TEAM PROBLEM
CODE NAME - "That's a Blast"

Team Members: _____ **Category:** _____

Problem Statement

While a team waits to begin their problem, the crashing sound of falling equipment is heard from within a classroom. Upon entering the classroom area, the team is confronted with an electrical hazard created by a worker's fall from what would appear to be a repair job being performed on ceiling lighting. One employee has fallen from a ladder from under the hazard. Another employee is moaning and is located across the room near a receptacle.

Casualty Simulation**PATIENT ONE**

UNCONSCIOUS lying on LEFT side, placed between legs of ladder
BURNS to the LEFT HAND (fingers/palm) and LEFT KNEE - Electrical burns
FLAIL CHEST of the mid LEFT CHEST
OPEN FRACTURE to right arm forearm
DISLOCATION to right shoulder
Signs of Shock - SWEATING; PALE

PATIENT TWO

CONSCIOUS
LACERATION (5cm) caused by GLASS to underside of LEFT FOREARM
BLOODIED GLASS held in RIGHT HAND having been removed from left forearm
ALLERGY to ASA, MEDICATIONS Tylenol3

History

An adjustable aluminum ladder, assorted electrician tools, an electrical drill and extension cord are required. This scenario will also require enough sparklers for the day, such that a new sparkler can be lite to initiate each team scenario. The sparkler will be placed within an electrical lighting fixture immediately above the first employee. This employee would have fallen off of his ladder such that he is found to be lying between the legs of the ladder; thus the chest and arm injuries were sustained from the fall with the electrical hand injury initiating the fall. Room lights should be off to begin this problem.

A second employee is found across the room at the other end of the extension cord which is attached to the drill lying among the site of the first employee. A shattered florescent light should be found on the floor, with this second employee suffering an injury from its fall.

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Judging Notes:

- Assist team with prompting if casualty does not respond properly.
- Please check the casualty's positions and all simulation. Room Lights Off.
- Remember to have the sparkler lite and all members of the evaluation team hidden prior to the team's arrival
- Ladder noise and positioning of Patient 1 made prior to Team Entrance

I	Information Requested	A	Actions Taken	S	Statements
IMMEDIATE ACTION: (within first four minutes of problem)					
1.	Did a team member take charge	A		10	0
2.	Did team properly identify themselves and seek consent	A		10	0
3.	Did team identify and protect themselves from the potential electrical hazard on the floor (extension cord unplugged)?	A		10	0
4.	Did team identify/protect themselves from overhead hazard?	A/S		10	0
5.	Did team survey/protect themselves from further hazards? (Glass) .	A/S		05	0
6.	Did team protect themselves by using gloves?	A		10	0
7.	Patient One - P1				
	Was effort made to determine level of consciousness?	A/S		02	0
	Was effort made to assess quality of airway?	A/S		02	0
	Was effort made to assess quality of pulse?	A/S		02	0
	Was effort made to establish a gross bleed check?	A/S		05	0
8.	Patient Two - P2				
	Was effort made to determine level of consciousness?	A/S		02	0
	Was effort made to assess quality of airway and pulse?	A/S		02	0
	Was effort made to establish a gross bleed check?	A/S		05	0
	Was effort made to establish a history of what was witnessed?	A/S		05	0
9.	Did team dispatch for an ambulance or investigate possibilities? ...	S		10	0
10.	Attempt made to contact management	S		05	0
11.	Careful support and movement of P1 from ladder/hazard	S		10	0
	onto blanketed floor	S		05	0
12.	Minimal movement of P1, once the P1 was relocated	S		05	0

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13. Attempts to survey for additional casualties other than the two S 02 0
SECONDARY ACTION:

14. Was body warmth of P1 maintained (SHOCK) for Over? A 05 0
 Under? A 10 0

15. Was body warmth of P2 maintained (SHOCK) for Over? A 05 0
 Under? A 05 0

16. Did team interact during Primary/Secondary assessment
 (explaining what they were doing and questioning him/her for pain etc..
 Despite unconsciousness of first patient)
 P1 A 05 0
 P2 A 05 0

17. Secondary Assessment of P1

Did team perform suitable assessment of the following areas:

skull (no bumps, no indentations) A/S 02 0
 ears (as found, no fluids) A/S 02 0
 eyes (as found, equal and reactive) A/S 02 0
 nose (as found, no fluids) A/S 02 0
 mouth (as found, no odour) A/S 02 0
 jaw (as found) A/S 02 0
 neck (as found) A/S 02 0
 back/spine (as found) A/S 02 0
 chest (as found, discolouration and tenderness, left)[Fail] . A/S 02 0
 abdomen (as found) A/S 02 0
 pelvic area (as found) A/S 02 0
 right leg (as found) A/S 02 0
 right foot (as found) A/S 02 0
 left leg (as found, burn to knee thru torn work pants) A/S 02 0
 left foot (as found) A/S 02 0
 right clavicle (as found) A/S 02 0
 right arm (as found, open fracture to forearm, dislocation shder)A/S 02 0
 right hand (as found) A/S 02 0
 left clavicle (as found) A/S 02 0
 left arm (as found) A/S 02 0
 left hand (as found, burns to palm and fingers) A/S 02 0

Was casualty kept in one position during examination A 05 0

Was constant monitoring of pulse and respirations maintained? . . . A/S 10 0

Reassurance provided... (would you as a casualty feel:)

comforted and reassured to an adequate level **OR** A 05 0
 comforted and reassured to very comfortable level A 10 0

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Page **4****Vitals for P1:** Did team perform suitable assessment of the following

Pulse Check (once) (corrected to be 120, weak rapid and irregular)	A	10	0
Pulse Check (twice) (corrected to be 100, weak rapid and irregular)	A	10	0
Respiration Check (once) (corrected to be 22 shallow gasping) . . .	A	10	0
Respiration Check (twice) (corrected to be 20 rapid gasping)	A	10	0
Temperature/Skin Condition Checked (once) (pale, cold, clammy) .	A	10	0
Temperature/Skin Condition Checked (twice) (pale, cold, clammy)	A	10	0

18. Secondary Assessment of P2

Did team perform suitable assessment of the following areas:

skull	(no bumps, no indentations)	A/S	01	0
ears	(as found, no fluids)	A/S	01	0
eyes	(as found, equal and reactive)	A/S	01	0
nose	(as found, no fluids)	A/S	01	0
mouth	(as found, no odour)	A/S	01	0
jaw	(as found)	A/S	01	0
neck	(as found)	A/S	01	0
back/spine	(as found)	A/S	01	0
chest	(as found)	A/S	01	0
abdomen	(as found)	A/S	01	0
pelvic area	(as found)	A/S	01	0
right leg	(as found)	A/S	01	0
right foot	(as found)	A/S	01	0
left leg	(as found)	A/S	01	0
left foot	(as found)	A/S	01	0
right clavicle	(as found)	A/S	01	0
right arm	(as found)	A/S	01	0
right hand	(as found, holding bloodied glass in hand)	A/S	01	0
left clavicle	(as found)	A/S	01	0
left arm	(as found, laceration 5cm forearm)	A/S	01	0
left hand	(as found)	A/S	01	0

Was casualty kept in one position during examination A 05 0

Was constant monitoring of pulse and respirations maintained? . . . A/S 05 0

Vitals for P2: Did team perform suitable assessment of the following

Pulse Check (once) (corrected to be 85 strong full and regular) . . .	A	02	0
Pulse Check (twice) (corrected to be 80, strong full and regular) . .	A	02	0
Respiration Check (once) (corrected to be 20 full regular)	A	02	0
Respiration Check (twice) (corrected to be 20 full regular)	A	02	0
Temperature/Skin Condition Checked (once) (flushed moist)	A	02	0
Temperature/Skin Condition Checked (twice) (normal)	A	02	0

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Reassurance provided... (would you as a casualty feel:)

comforted and reassured to an adequate level OR	A	05	0
comforted and reassured to very comfortable level	A	10	0
Was casualty questioned about medical conditions(Wisdom Teeth)	A	05	0
Was casualty questioned about allergies (ASA)	A	05	0
Was casualty questioned about medications	A	05	0
(Tylenol #3 - 325mg 1-2 tablets every 6 hours as needed for pain)			

TREATMENTS:**19. Open Fracture to Right Arm of P1**

Was bleeding controlled (Ring Pad with gauze)	A	10	0
Was it protected with sterile dressing	A	02	0
Was indirect pressure applied to control bleeding	A	05	0
Was bandage checked (once, as found)	A	05	0
Was fracture adequately supported/immobilized	A	10	0
padding used on splint	A	02	0
Was distal circulation checked	A	05	0

20. Dislocation of Right Shoulder of P1

Was it inspected visually [swelling and deformity]	A	05	0
Was adequate padding used to keep joint in position found	A	05	0
Was application of a bandage/sling used to support limb	A	05	0
Was bandaging checked (once)	A/S	05	0
Was bandaging adequate to immobilize shoulder	A	05	0
Was ice applied to control swelling	A	02	0
Was distal circulation checked (ie . capillary refill)	A	05	0

21. Burns to Left Palm and Fingers of P1

Was depth of burn noted (Third degree and full thickness okay) . . .	S	05	0
Were fingers individually separated with DRY sterile gauze	A	05	0
Was the left palm covered with DRY sterile gauze	A	05	0
Was hand lightly immobilized in the position of function	A	05	0
Elevation of arm performed to aid in the reduction of swelling	A	05	0
Was percentage of burn estimated at 6-10% by Rule of Nines	A	02	0

22. Burns to Left Knee of P1

Was depth of burn noted	S	05	0
Was the left knee covered with DRY sterile gauze	A	05	0
Was knee suitably immobilized and/or protected from further injury	A	05	0
Elevation of leg performed to aid in the reduction of swelling	A	05	0

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Page **6****23. Flail Chest of P1**

Was visualization of injured area made	S	02	0
Was support given to stabilize chest wall	A	02	0
Was left arm placed in tubular sling to stabilize chest wall	A	05	0

24. Laceration to Left Forearm of P2

Was wound inspected/visualized to ensure no further glass found . .	A	05	0
Was bleeding controlled	A	10	0
Was it protected with sterile dressing	A	02	0
Was direct pressure applied to control bleeding	A	05	0
Was bandage checked (once, as found)	A	05	0
Was arm adequately supported/immobilized (sling)	A	10	0
Was distal temperature checked	A	05	0
Was distal sensation checked	A	05	0

RECORDING:

25. Was the time and date of incident recorded	A	02	0
26. P1			
Was name recorded?	A	02	0
Was first pulse check (including time) recorded?	A	02	0
Was first respiration recorded (including time) recorded?	A	02	0
Was first temperature and skin condition recorded?	A	02	0
Was second pulse check (including time) recorded?	A	02	0
Was second respiration recorded (including time) recorded?	A	02	0
Was second temperature and skin condition recorded?	A	02	0
Was open fracture of forearm recorded?	A	02	0
Was treatment of the forearm recorded?	A	02	0
Was suspected dislocation of right shoulder recorded?	A	02	0
Was treatment of the dislocation recorded?	A	02	0
Was burn to the left hand and fingers recorded?	A	02	0
Was treatment of the burn recorded?	A	02	0
Was burn to the left knee recorded?	A	02	0
Was treatment of the burn recorded?	A	02	0
Was percentage of burn to body (Rule of Nines) recorded 6-10%? .	A	05	0
Was flail chest recorded?	A	02	0
Was treatment of the chest recorded?	A	02	0

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Was history recorded?	A	02	0
Was the presence of medication or medical conditions recorded? . .	A	02	0
Was record signed by both first aiders?	A	02	0
27. P2			
Was name and address recorded?	A	02	0
Was first pulse check (including time) recorded?	A	02	0
Was first respiration recorded (including time) recorded?	A	02	0
Was first temperature and skin condition recorded?	A	02	0
Was second pulse check (including time) recorded?	A	02	0
Was second respiration recorded (including time) recorded?	A	02	0
Was second temperature and skin condition recorded?	A	02	0
Was laceration to left forearm recorded?	A	02	0
Was treatment of the forearm recorded?	A	02	0
Was history recorded?	A	02	0
Were allergies recorded? (ASA)	A	02	0
Was the presence of medication recorded? (Tylenol 3)	A	02	0
Was the presence of medical conditions recorded? (Wisdom Extr) .	A	02	0
Was record signed by both first aiders?	A	02	0

Total Possible Marks: 604

Actual Total : _____

Team Name: _____

Floor Position: _____

Judges' Names: (1) _____

(2) _____

Judges' Signatures: (1) _____

(2) _____