

ADVANCED PATIENT CARE SCENARIO- MARKING GUIDE 1998 Competition

Scenario Outline:

Late Friday afternoon, team is gathered together for practice. Down the street an explosion is heard. Fire engines are heard passing the location heading to the explosion. The team approaches and see one fully involved home. Fire operations have begun, but there is an apparent lack of medical personnel at the scene. The team approaches the fire officer and offers their assistance. The officer quickly says, yes and informs the team that the EMS backup is tied up with an MVC and will not be available for at least 45 minutes.

As the team sets up to receive casualties, two firefighters approach carrying a single female towards the team. She is obviously conscious. She was in the home trying to relight a gas stove when it exploded, burning her legs and throwing her backwards striking her head and fracturing her left knee.

Ten minutes into the scenario, a lone firefighter emerges from the involved house. His SCBA has been knocked off his face and he appears to be quite unsteady on his feet. When questioned by team members, he will recount that a roof beam came down from the ceiling and struck him in the head, knocking off his SCBA mask and throwing him to the floor. He is in obvious respiratory distress and will proceed to deteriorate in condition as time in the scenario passes.

Teams will be responsible for treatment, packaging and transport of both patients in a safe and appropriate manner.

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Simulator / Casualty Information:

Patient #1:

Female, 18+ years of age. No medical history, on no medications. No allergies. Was lone occupant in house when stove exploded. Thrown backwards during blast, but remembers entire incident. Complaining of pain in both legs and neck. Is very anxious and will become hysterical if not attended to constantly.

- Simulation: 1. Burn to left leg. 2nd degree extending from 10cm above knee to ankle. Anterior surface only.
2. Burn to right leg. 2nd degree extending from level of patella to ankle. Anterior surface only.
3. Face to be mildly reddened due to flash. Do not overdo.

Patient #2:

Male, 20+ years of age. Firefighter, to be dressed appropriately. Has chronic bronchitis from past exposures. Take salbutamol inhaler as needed. No allergies. Remembers being struck on head by falling beam and having mask knocked off. Inhaled large amount of hot smoke and noxious fumes before exiting the house. Dizzy and unsteady on feet. Complaining of increasing shortness of breath. During head to toe assessment, patient will become lethargic and respirations will become increasingly shallow and rapid. Will comply with assisted ventilation and will not become completely unconscious unless ventilations not performed. Will become full arrest if ventilations are not assisted within 4 minutes of cue.

- Simulation: 1. Hematoma on right temple. 3cm raised hematoma with minor abrasions.
2. Soot deposits around nares and edges of mouth. If possible blacken some teeth a bit.
3. Reddened face and neck with mild cyanosis around lips.

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Team Name : _____

Team Captain : _____

Judge #1 : _____

Judge #2 : _____

Floor Position : _____

Time Start : _____

Time Stop : _____

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PRIMARY ASSESSMENT- Patient #1

Task #	Action / Skill	Judges Info	Yes	No
1	Check Environment / Hazards	<i>None Present / Clear</i>	10	0
2	Rubber Gloves Worn	<i>May be applied prior to the start of the scenario.</i>	10	0
3	Introduction	<i>Self and team for points.</i>	5	0
4	Offer to Help		5	0
5	Patient Told Not To Move	<i>Adequate C-Spine control</i>	5	0
6	Check Responsiveness	<i>"Patient Conscious and Alert"</i>	10	0
7	Check Airway	<i>"Patent, As Found"</i>	5	0
8	Check Breathing	<i>"Present, As Found"</i>	5	0
9	Check Pulse	<i>"Present, As Found"</i>	10	0
10	Gross Bleeding Check	<i>None present, ensure back is checked</i>	10	0
11	Burn Treatment	<i>Remove burned clothing. Begin flushing with cool, clean water source.</i>	10	0
12	Blanket	<i>Above. Careful not to contaminate burns. Below.</i>	5	0
13	EMS Activated	<i>ETA of Ambulance 45 minutes.</i>	5	0

Primary Survey (Total 100)

TOTAL POINTS _____

NO MARKS ON THIS PAGE AFTER 3 MINUTES!

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History- Patient#1

Task #	Action / Skill	Judges Info	Yes	No
14	Incident History	<i>Patient states " the stove blew up when I tried to relight the pilot"</i>	5	0
15	Past Medical History	<i>None</i>	5	0
16	Asked About Medication	<i>None</i>	5	0
17	Asked About Allergies	<i>None</i>	5	0

Vital Signs- Patient#1(Set#1)

Task #	Action / Skill	Judges Info	Yes	No
18	Pulse	<i>"110, strong, regular"</i>	5	0
19	Respirations	<i>"16, full, regular"</i>	5	0
20	Skin	<i>"Red, warm, dry"</i>	5	0
21	Pupils	<i>"Omm, equal & reactive"</i>	5	0
22	Blood Pressure	<i>128/78</i>	5	0

Head to Toe Assessment- Patient #1

Task #	Action / Skill	Judges Info	Yes	No
23	Head	<i>"Unremarkable"</i>	5	0
24	Neck	<i>"Pain on palpation of posterior cervical spine"</i>	5	0
25	Chest	<i>"Unremarkable"</i>	5	0
26	Back	<i>"Unremarkable"</i>	5	0
27	Abdomen	<i>"Soft, non-tender"</i>	5	0
28	Pelvis	<i>"Stable"</i>	5	0
29	Right Leg	<i>Burns present at level of knee and below on anterior surface. 2nd degree with severe pain.</i>	5	0
30	Left Leg	<i>Burns present from 10cm above knee to ankle. Anterior surface. 2nd degree with severe pain. Pain on palpation of patella with no deformity. Crepitus felt in joint.</i>	5	0
31	Right Arm	<i>"Unremarkable"</i>	5	0
32	Left Arm	<i>"Unremarkable"</i>	5	0
33	Reassure Patient		5	0

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Treatment- Patient #1

Task#	Action / Skill	Judges Info	Yes	No
34	C-Spine Immobilization	<i>Appropriate method</i>	10	0
35	Oxygen	<i>High concentration</i>	10	0
36	Burn Dressing	<i>Sterile, moist dressings. Continue to flush with water for 10-15 minutes.</i>	5	0
37	Chest Evaluation	<i>Lungs clear, no adventitious sounds.</i>	5	0
38	Distal Circulation Check	<i>Must check pulses in both legs for marks. "Present"</i>	5	0
39	Knee Immobilization	<i>Must not interfere with effective Tx of leg burns.</i>	5	0
40	Distal Circulation Check	<i>"Present"</i>	5	0
41	Fracture Board	<i>Patient effectively secured. Allows for Tx of leg injuries.</i>	10	0
42	Shock Treatment	<i>Elevate feet 6-10 inches</i>	5	0
43	Move to Secure Environment	<i>Safe movement of patient with minimal danger to both provider and patient.</i>	10	0

Vital Signs - Patient #1 (Set #2)

Task#	Action / Skill	Judges Info	Yes	No
44	Recheck Responsiveness	<i>"Anxious, alert, oriented"</i>	5	0
45	Pulse	<i>"110, strong, regular"</i>	5	0
46	Respirations	<i>"14, full, regular"</i>	5	0
47	Skin	<i>"Red, warm, dry"</i>	5	0
48	Pupils	<i>"6mm, equal & reactive"</i>	5	0
49	Blood Pressure	<i>130/80</i>	5	0

**ADVANCED PATIENT CARE SCENARIO- MARKING GUIDE
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PRIMARY ASSESSMENT - Patient #2

Task#	Action / Skill	Judges Info	Yes	No
50	Introduction		5	0
51	Offer to Help		5	0
52	C-Spine Control	<i>As soon as practical.</i>	10	0
53	Removal of Bulky Clothing		5	0
54	Check Responsiveness	"Alert, oriented, c/o dizziness"	10	0
55	Check Airway	"Present, poor" Team will visualize soot deposits around nares and mouth.	10	0
56	Check Breathing	"Shallow, rapid, wheezing" Patient will be in visible distress.	10	0
57	Check Pulse	"Present, rapid, bounding"	10	0
58	Gross Bleeding Check	<i>None present, ensure back is checked.</i>	10	0
59	Oxygen	<i>Immediate need. Must be high concentration.</i>	10	0
60	Blanket	<i>Above.</i>	5	0
		<i>Below.</i>	5	0
61	Update EMS	<i>Second patient, condition. ETA still 30 minutes+.</i>	5	0
62	Delegate Team Resources	<i>Patient #1 must have at least 1 team member stay with them.</i>	5	0

Page #4 Primary Survey Patient #2 (Total 105)

TOTAL POINTS _____

**MUST BE DONE WITHIN 3 MINUTES OF ARRIVAL OF
PATIENT#2. NO MARKS AFTER THAT POINT.**

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History - Patient #2

Task #	Action / Skill	Judges Info	Yes	No
63	Incident History	<i>Patient states "something fell from the roof and hit me in the head and knocked my mask off"</i>	5	0
64	Past Medical History	<i>Chronic Bronchitis</i>	5	0
65	Asked About Medications	<i>Inhaler, "salbutamol I think"</i>	5	0
66	Asked About Allergies	<i>None</i>	5	0

Vital Signs- Patient #2(Set#1)

Task #	Action / Skill	Judges Info	Yes	No
67	Pulse	<i>"115, strong, regular"</i>	5	0
68	Respirations	<i>"24, shallow, regular, wheezing"</i>	5	0
69	Skin	<i>"Red, hot, dry"</i>	5	0
70	Pupils	<i>"4mm, equal & reactive"</i>	5	0
71	Blood Pressure	<i>130 / 90</i>	5	0

Head to Toe Assessment- Patient #2

Task #	Action / Skill	Judges Info	Yes	No
72	Head	<i>Hematoma to right temple, painful on palpation. No fluids present. Face reddened, soot deposits present.</i>	5	0
73	Neck	<i>"Unremarkable"</i>	5	0
74	Chest	<i>No visible abnormalities.</i>	5	0
75	Breath Sounds	<i>Listen, Wheezes</i>	5	0
76	Abdomen	<i>"Unremarkable"</i>	5	0
77	Pelvis	<i>"Stable"</i>	5	0
78	Right Leg	<i>"Unremarkable"</i>	5	0
79	Left Leg	<i>"Unremarkable"</i>	5	0
80	Right Arm	<i>"Unremarkable"</i>	5	0
81	Left Arm	<i>"Unremarkable"</i>	5	0
82	Reassure Patient		5	0

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Treatment- Patient #2

Task#	Action / Skill	Judges Info	Yes	No
83	C-Spine Immobilization	<i>Appropriate method</i>	10	0
84	Oxygen	<i>High Concentration</i>	10	0
85	Dress Burns	<i>Moist dressings to face and eyes. Ensure there is airway access at all times.</i>	5	0
86	Ice to Hematoma	<i>Points only if ice is applied and effective.</i>	5	0
87	Airway Assessment	<i>Must visualize both nasal and oral airways to get points.</i>	10	0
88	Chest Assessment	<i>Inspect, palpate</i>	10	0
89	Fracture Board	<i>Must ensure space under strapping for adequate chest expansion.</i>	5	0
90	Shock Treatment	<i>Elevate feet 6-10 inches</i>	5	0
91	Re-evaluate Airway	<i>Decreasing air movement. Patient becoming tired and lethargic.</i>	10	0
92	Move to Secure Environment	<i>Safe movement of patient with minimal danger to both provider and patient.</i>	10	0

Vital Signs- Patient #2(Set #2)

Task#	Action / Skill	Judges Info	Yes	No
93	Recheck Responsiveness	<i>"Lethargic, confused"</i>	5	0
94	Pulse	<i>"140, weak, regular"</i>	5	0
95	Respirations	<i>"30, very shallow, laboured"</i>	5	0
96	Skin	<i>"Cyanotic, hot, dry"</i>	5	0
97	Pupils	<i>"6mm, equal, sluggish"</i>	5	0
98	Blood Pressure	<i>100/60</i>	5	0

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Airway Crisis- Patient #2

Task #	Action / Skill	Judges Info	Yes	No
99	Recheck Airway	<i>On visualization, inform team of increasing edema visible with excessive secretions.</i>	10	0
100	Suction	<i>Manual or assisted method of clearing airway acceptable.</i>	10	0
101	Assisted Ventilation	<i>BVM + Oxygen at rate of no less than 12-16/minute.</i>	10	0
102	Chest Auscultation	<i>Decreasing air movement heard with some minute wheezes.</i>	10	0
103	Talk to Patient	<i>Must explain all procedures to the still conscious patient for points.</i>	10	0
104	Transport Decision	<i>If available, transport decision should be for immediate transfer of patient to hospital.</i>	10	0
105	Triage of Patients	<i>If possible, both patients should be transported to hospital. Team must leave one member at scene in order to get points.</i>	5	0

Transport Criteria- Both Patients

Task #	Action / Skill	Judges Info	Yes	No
106	Patient Placement	<i>Patient #2 must be placed in the primary cot position for points.</i>	10	0
107	Secure Patients		5	0
108	Safety	<i>All equipment except needed airway adjuncts should be secured.</i>	5	0
109	Transport Priority	<i>Driver of vehicle must declare speed of transport and request permission to transport from approved authority.</i>	10	0
110	Removal of Patients	<i>Safe and rapid removal of both patients to hospital.</i>	5	0

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Patient Care Records- Patient #1

Task #	Action / Skill	Judges Info	Yes	No
111	Personal Information	<i>Patient's own will do.</i>	5	0
112	Incident History		5	0
113	Past Medical History		5	0
114	Medications		5	0
115	Allergies		5	0
116	Injuries Found	<i>All must be recorded for points.</i>	5	0
117	Treatment		5	0
118	Vital Signs	<i>Minimum 2 sets with times.</i>	5	0
119	Signatures	<i>At least 2 for points.</i>	5	0

Patient Care Records- Patient #2

Task #	Action / Skill	Judges Info	Yes	No
120	Personal Information	<i>Patient's own will do.</i>	5	0
121	Incident History		5	0
122	Past Medical History	<i>Bronchitis</i>	5	0
123	Medications	<i>Inhaler, salbutamol</i>	5	0
124	Allergies		5	0
125	Injuries Found	<i>Head, airway, burns for points.</i>	5	0
126	Treatment		5	0
127	Vital Signs	<i>2 sets minimum with times.</i>	5	0
128	Change in Condition	<i>Must indicate increasing severity of patient on form.</i>	5	0
129	Signatures	<i>Minimum of 2.</i>	5	0

Transport Information- CPR Section

Task #	Action / Skill	Judges Info	Yes	No
130	Authorization	<i>Tell team authorized by local ambulance</i>	5	0
131	Driver		5	0
132	Attendant		5	0
133	Condition Upon Arrival	<i>Indicate for each patient.</i>	5	0

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Tabulation Sheet

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TOTAL = _____ out of a possible 825