

SURGERY VIGNETTE
Burn Interactive Simulation (1st degree)

Management of Burn (1st degree)

THE FOLLOWING QUESTIONS CORRESPOND TO A CLINICAL CASE SCENARIO THAT THE HEALTH WORKER COULD EXPECT TO OBSERVE IN THE HOSPITAL. READ THE CASE SCENARIOS AND QUESTIONS EXACTLY AS THEY ARE WRITTEN. **DO NOT READ THE OPTIONS OF ANSWERS.** FOR CERTAIN QUESTIONS, MULTIPLE ANSWERS ARE POSSIBLE; IN THIS CASE, CIRCLE ALL ANSWERS GIVEN BY THE HEALTH WORKER. AFTER THE HEALTH WORKER HAS FINISHED ANSWERING THE QUESTION, ASK "ANYTHING ELSE?" IF ADDITIONAL ANSWERS ARE GIVEN AT THAT TIME, MAKE DUE RECORD OF THEM ON THE SURVEY FORM. BE CAREFUL TO FOLLOW THE SKIPS AS THEY ARE MARKED. MAKE SURE THE HEALTH WORKER CANNOT SEE THE FORM YOU ARE FILLING.

ATTENTION: IN THE "INFORMATION" COLUMN, THERE IS INFORMATION ON THE CURRENT STATE OF THE PATIENT. THIS INFORMATION HAS TO BE PROVIDED, **IF AND ONLY IF** THE CLINICIAN SAYS HE WOULD ASK THE QUESTION OR PERFORM THE ACTION LISTED. IF THE CLINICIAN DOES NOT MENTION HE WILL ASK THE QUESTION OR PERFORM THE ACTION, THEN THE RESULT OF THAT QUESTION OR ACTION **SHOULD ABSOLUTELY NOT** BE SHARED WITH THE HEALTH WORKER.

FOR EXAMPLE IN Q101, IF THE HEALTH WORKER SAYS S/HE WOULD ASK ABOUT THE MEDICAL HISTORY, THEN YOU HAVE TO ASK THEM "WHAT KIND OF HISTORY WOULD YOU ASK ABOUT?". IF THE HEALTH WORKER DOES NOT SAY HE WOULD ASK ABOUT THE MEDICAL HISTORY, THEN YOU MUST NOT ASK THEM WHAT KIND OF HISTORY THEY WOULD ASK ABOUT. STILL IN Q101, IF THE HEALTH WORKER SAYS S/HE WOULD ASK WHETHER THE PATIENT BREATHED IN ANY SMOKE, THEN YOU HAVE TO TELL THEM NO. IF THE HEALTH WORKER DOES NOT SAY HE WOULD ASK ABOUT BREATHING IN SMOKE, THEN YOU MUST NOT TELL THEM THAT THE PATIENT DID NOT BREATHE IN ANY SMOKE. MAKE SURE THE HEALTH WORKER CANNOT READ IT ON THE FORM EITHER.

DO NOT READ OPTIONS ALOUD. FOR EACH OPTION, NOTE WHETHER THE HEALTH WORKER MENTIONED THIS ACTION OR NOT.

RECORD TIME OF BEGINNING OF THE SIMULATION (HH:MM) __ __ : __ __ AM/PM

Scenario: A 30 year-old woman with burns on her arms from knocking over a pot in the kitchen. Her forearms display significant blistering. She is in visible pain.

Question	Yes	No	Information	Go to	Verify Present/ Not Present
Q101: What do you do to assess this woman?					
A. History taking	1	0	What kind of history would you ask about?		N/A
a. Show me all the areas that are burned	1	0	Exposed forearms only		N/A
b. When did this happen?	1	0	30 minutes ago		N/A
c. What was in the pot?	1	0	Boiling water		N/A
d. Have you taken any medicines yet?	1	0	No		N/A
e. Have you applied anything to the wound?	1	0	No		N/A
f. Did you breathe in any smoke from the fire?	1	0	No		N/A
B. Physical examination	1	0	Please describe the things you would do.		N/A
a. I would examine the Vital Signs.	1	0	Temp, normal; HR 100; Tachypnea; BP 125/85		N/A
b. Examine for signs of dehydration [dry mucous membranes, tachycardia, decreased BP, decreased urine output, decreased perfusion]	1	0	None found		N/A
c. Examine for shock [tachycardia, hypotension, poor perfusion, decreased pulses, dry mucous membranes]	1	0	None found		N/A
d. Examine wound	1	0	redness covering majority of forearms no blistering or skin peeling		N/A
C. Lab tests					
a. Full blood count (Complete blood count)	1	0			1 0
i. Hemoglobin/HCT	1	0	Normal, 42% or 14 gr/dl		1 0
ii. White Blood Cell (WBC)	1	0	Normal		1 0
iii. Red Blood Cell (RBC)	1	0	Normal		1 0
iv. Platelets	1	0	Normal		1 0
v. Hemoglobin/HCT (alone)	1	0	Normal, 42% or 14 gr/dl		1 0
b. Microscopy					
i. Malaria smear, M/S	1	0	Normal, Negative		1 0
ii. Malaria rapid diagnostic test (RDT)	1	0	Normal, Negative		1 0
c. Immunologic					
i. HIV rapid testing	1	0	Normal, Negative		1 0

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ii. Hepatitis B (HBsAG) and Hepatitis C (HCV) tests	1	0	Normal, Negative		1	0
d. Chemistry panels (Automatic analyzer)						
i. AST and ALT (liver enzymes)	1	0	Normal		1	0
ii. Amylase and Lipase (pancreatic enzymes)	1	0	Normal		1	0
iii. Chemistry (sodium, potassium, chloride, bicarbonate)	1	0	Normal		1	0
iv. BUN and creatinine (renal function)	1	0	Normal		1	0
v. Serum bilirubin	1	0	Normal		1	0
vi. Blood glucose, RBS (fasting or random)	1	0	Normal, 135 gr/dl		1	0
e. Blood gas analysis or Electrolyte Panel	1	0	Normal		1	0
f. Urinalysis, U/A	1	0	Normal, Negative		1	0
g. Pregnancy test, MTT	1	0	Normal, Negative		1	0
h. Imaging					1	0
i. RUQ Ultrasound	1	0	Normal		1	0
i. Other Tests and imaging	1	0	Normal		1	0
i. Other, specify: _____ _____	1	0			1	0
D. I would call for assistance from another person	1	0	Who?			N/A
a. Specify title _____			[ALSO ASK THEM IF THEY WOULD DO ANYTHING ELSE]			
Q102: What is your overall assessment of the woman's condition?						
A. Overall assessment(CHECK ALL ANSWERS GIVEN)						
a. 1 st degree burns	1	0				N/A
b. 2 nd degree burns	1	0				N/A
c. 3 rd degree burns	1	0				N/A
d. Inhalation injury	1	0				N/A
e. Other, specify: _____ _____	1	0				N/A
Q103: What treatment do you recommend?						
A. Rinse burn site	1	0	What would you wash the wound with?			N/A
a. Water	1	0				N/A
b. Other _Saline, Lactated Ringers, Darrows Solution	1	0				N/A
B. Apply GV (gentian violet)	1	0				N/A
C. Apply other	1	0				N/A
D. Dress wound	1	0				N/A
E. Give analgesic	1	0				N/A
F. Monitor for infection	1	0				N/A
G. Discharge	1	0				N/A
H. Silver sulfadiazine	1	0				N/A
I. Antibiotic with good skin flora coverage (septrim or cloxacillin)	1	0				N/A
J. Cleanse wound with chlorhexidine 0.5% solution	1	0				N/A
K. Establish IV line (resuscitate fluids)	1	0				N/A
L. Send for surgical evaluation	1	0				N/A
RECORD TIME OF END OF THE SIMULATION (HH:MM)			___ : ___ AM/PM			
GO BACK TO EACH ITEM IN THE SIMULATION THAT REQUIRES A PIECE OF EQUIPMENT OR A MEDICATION AND VERIFY THAT THE EQUIPMENT OR MEDICATION IS PRESENT.						
PLEASE PROVIDE ANY FURTHER COMMENTS ON THE QUALITY OF CARE:						