

## HOSA Competition, Burns

Setting: ER

You will be tasked with emergently caring for a 25 y/o gentleman with 3<sup>rd</sup> degree burns to his arm, chest and neck. He was using gasoline in an attempt to ignite garbage on his farm. Depending on the care you provide, and how rapidly you provide his care, his condition will improve. If your care is sluggish or not appropriate, you will notice deterioration in his vital signs. You will be required to assess and care for him, to include removing his clothing, estimating the amount of total burned surface, initiate the delivery of oxygen, administer medications and fluids in the appropriate order. There is a twenty-point checklist that will be used to score your team during the competition. You will be given a document and a video to help guide you through a properly run scenario. Teams will need to include the disciplines listed below. Each student will need to know the role of each discipline. Your specific role for the competition will be drawn just prior to the start of your simulation.

### ***Team Leader:***

- The conductor normally remains “hands off,” he/she manages all of the participating disciplines. Orders medications and critical actions such as oxygen, and medications. He/she maintains control of the situation. A good leader will not only give feedback to the team, but they also ask for input from them, for example, “does anyone have any other ideas” or “I am unsure of the dose of this medication, do any of you know?”

### ***Nurse 1 & 2***

- Confirms patient identification
- Confirms and administers medications
- Gathers vital signs
- Asks about allergies and medications
- Documents interventions and activities, reminds the team when actions need to be taken.

### ***Respiratory Therapy:***

- Primarily is in control of the airway.
- Assess the patients airway
- Appropriately administers oxygen via nasal cannula or non-rebreather mask.

### ***Pharmacy:***

- Draws up and prepares medications for use.
- Often times having the medications prepared before they are ordered.
- Medications used in this event will be IV fluids, pain control medications i.e. fentanyl or morphine and tetanus.

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NN	<input type="checkbox"/>	HOSA Competition Critical Action Checklist	Responsible
1	<input type="checkbox"/>	Student(s) introduce(s) him/herself	All
2	<input type="checkbox"/>	Student verifies patient's ID (verbal)	N(2)
3	<input type="checkbox"/>	Asks about chief complaint	L
5	<input type="checkbox"/>	Checks airway (looks for soot and or swelling)	RT
6	<input type="checkbox"/>	Auscultates lungs and reports findings to the leader	RT
7	<input type="checkbox"/>	Checks circulation (pulses)	N(1)
8	<input type="checkbox"/>	Asks about medication allergies	N(1)
9	<input type="checkbox"/>	Asks about prescribed medications	N(1)
10	<input type="checkbox"/>	Orders oxygen via face mask 15 liters per minute	L-orders/RT-performs
11	<input type="checkbox"/>	Completely disrobes the patient and covers with a sheet	ALL
12	<input type="checkbox"/>	Obtains vital signs (heart rate, blood pressure, oxygen saturation)	N(2)
13	<input type="checkbox"/>	Confirms IV access and orders IV fluid bolus, 1 liter	L-orders/N(1)-admin.
14	<input type="checkbox"/>	Asks about most recent tetanus, orders intramuscular (IM) tetanus	L-orders/P-draws up/N(2)-admin
15	<input type="checkbox"/>	Assesses effected areas to rule out circumferential burns	L
16	<input type="checkbox"/>	Orders intravascular (IV) pain control medication	L-orders/P-draws up/N(2)-admin
17	<input type="checkbox"/>	Student washes hands and uses gloves prior to physical exam	L-orders/P-draws up/N(2)-admin
18	<input type="checkbox"/>	Students respectful to patient (no laughter or ill-advised conduct)	RT
19	<input type="checkbox"/>	Healthcare team communicates clearly	All
20	<input type="checkbox"/>	Estimate percentage of area burned	All