Northwest Community EMS System February 2019 CE: Thermal Burns

Name:		Date submitted:		
EMS A	gency/hospital:	Credit awarded (date):		
EMSC/E	Educator reviewer:	Returned for revisions:		
		Revisions received:		
	acket should take 2 hours to complete – which earns yo ces: Feb 2019 CE handout; PM Class handout; current			
	viewing the first videotape /www.youtube.com/watch?v=3XMy2qPGUvw&feature			
	current situation with respect to each of the following	_		
1.	True or False (circle one): Dispatch determinants should be used to drive staffing at the fire departments and individual stations.			
2.	True or False (Circle one): Dispatch determinants are being used to guide how a department responds to a call and the amount of resources sent initially.			
3.	What part of the stroke screen can only be documented in February of 2019?	ed in the Image Trend PCR narrative section		
	 A. Facial droop B. Arm drift C. Speech D. Balance, vision disturbances, cranial nerves 			
4.	Why are stroke alerts not being called in to OLMC when EMS suspects a stroke may be occurring?			
BURNS				
5.	Why are children particularly at risk for, and challenging	to manage following, a severe burn?		
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		·		
6.	What are three major considerations that puts elderly severe burn?	patients at high risk for morbidity following a		
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7.	Which skin layer contains blood vessels, glands, nerve	endings and anchors the hair follicles?		
	A. EpidermisB. DermisC. Subcutaneous tissueD. Sudoriferous tissue			

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8.	List at least 3 functions of the skin.		
9.	Which term describes the process of altering of the usual substance of something as in the breakdown of structural proteins due to heat?		
	A. MutatingB. ExacerbatingC. DetonatingD. Denaturing		
10.	What three factors determine the amount of damage (injury) sustained in a burn?		
11.	In applying Jackson's Thermal Wound Theory, which zone experiences the most intense heat and suffers the most damage?		
	A. HyperemiaB. StasisC. CoagulationD. Ischemia		
12.	Which of these is the FIRST priority in a patient with a severe burn?		
	 A. Early intubation B. Pain management C. Rapid vascular access; infuse 2 L NS ASAP D. Extinguish, remove burning or contaminated clothing 		
13.	What criteria must be met to safely cool a burn without causing more tissue damage or hypothermi and for how long should the burn be cooled?		
14.	List at least 4 signs or symptoms that suggest an airway or inhalation burn.		
15.	List at least 4 things that suggest the need for intubation in a severely burned patient:		

List at least 4 signs that suggest a patient with burns is or will experience breathing problems.
At what minimum percentage of total body surface area burned is a patient likely to experience leaky capillaries, large fluid shifts (3 rd spacing) and hypovolemia?
Under what circumstances should EMS monitor a burned patient's ECG?
What are the indications for EMS vascular access in a patient with burns?
Based on the video and EMS System Procedure; how should EMS find the landmarks for the correct proximal humerus IO site? https://p.widencdn.net/gnqzrx/VA IOS EZ-IO-Cadaver-Vid-1_VI_MC-001295
According to the SOPs, how much IV fluid should be given to each of the following within the first hour following a moderate to severe burn if the patient is not in shock?
hour following a moderate to severe burn if the patient is not in shock? 6-13 yrs:
hour following a moderate to severe burn if the patient is not in shock? 6-13 yrs: ≥14 yrs: An adult weighing 70 kg has deep partial thickness burns totaling 50% TBSA. Using the Parkland formula, how much IV fluid in liters is needed during the first 8 hours? (Formula: 4 mL x TBSA x
hour following a moderate to severe burn if the patient is not in shock? 6-13 yrs: ≥14 yrs: An adult weighing 70 kg has deep partial thickness burns totaling 50% TBSA. Using the Parkland

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		EMS determine a child's size to calculate drug doses? MS achieve vascular access in this patient?	
	edation:		7
n:			100
w s	should t	this child be sedated for intubation and medicated for pain?	
	A. B. C.	Superficial Partial thickness Full thickness	
		is the thickness of the majority of this burn? (See photo to Rt and) Burn is dry, scalp hairs slough away and there is no capillary refill after	
	A. B. C.	Superficial Partial thickness Full thickness	
		is the thickness of this burn? The burn is moist with blisters, red good capillary refill and the patient is in severe pain. (See photo)	
	Why	was this patient a good candidate for going to the nearest trauma center?	
	Revie	ew Case 2: What did EMS do that was very appropriate relative to burn wou	and management?
	Why	were moist dressings indicated for this patient?	
	Revie Cente	ew Case 1: Why was this patient a good candidate for a direct transporter?	to the Loyola Burn
		steps should EMS personnel take to help prevent bacterial contaminatio heir BP cuff?	n of a burn patient

30.	What adjustments are made when estimating the TBSA burned in an infant and child rather than an adult?			
	A. B. C. D.	An infant's abdomen is given an additional 2% that is deleted from the head % Adult legs are proportionately smaller than an infant's so are assigned a lesser % An infant's head is almost 2X as large proportionately so is assigned a greater % An adult's trunk is proportionately larger than a child's so is assigned a greater %		
31.		An adult has burns of the chest, abdomen, perineum and the entire anterior surface of both legs. Using the Rule of 9s, what percentage of TBSA has been burned?		
	A. B. C. D.	55% 37% 28% 19%		
32.	Which	Which is the TBSA that has been burned in the illustration (right)?		
33.	Why a	Why and how is the Rule of 9s adjusted for extremely obese individuals? SOP:		
34.	Shoul	Should burn blistered be removed, aspirated or left intact by EMS personnel?		
35.	118/8	A conscious and agitated adult presents with deep PT thermal burns over 8% of her legs. VS: BP 118/80; P 130; R 32; SpO ₂ 96%. Airway is patent and there is no ventilatory distress. What treatment is indicated?		
	A. B. C. D.	IV NS WO, wet sterile dressings, opiate for pain IV of NS 20 ml/kg, and moist sterile dressings over all burns Cool burns 10 min; plastic wrap to burns, moist sterile dressings; opiates for pain Ice to the burns, cover with a dry sterile sheet and rapid transport to a burn center		
36.	Which	Which is the most persistent killer of severely burned patients after the first 24 hours?		
	A. B. C. D.	Shock Infection Organ failure Related trauma injuries		
37.	How s	should EMS dress and bandage a burned hand (fingers) or foot (toes)?		
38	What	can we learn from Deb's story?		
38.		can we learn from Deb 3 story:		