Northwest Community EMS System August 2024 CE: Environmental, Water & industrial Emergencies Credit Questions

	Name (Print):			EMS Agency:			
	EMS Educator:	EMS Educator:					
Ī	Date submitted	Score:	Acceptable		☐ Incomplete☐ Incorrect answers	Date returned w/ feedback	
	Resubmission received:	Score:	☐ Acceptable		☐ Incomplete ☐ Incorrect answers	Date returned w/ feedback:	
	# CE Hours awarded:			Date			
_	This packet shou	ıld take 2 hours to cor	nplete – which	n earns the e	equivalent of the 2-hour liv	e CE class.	
	ources of information						
A				_	g Education August 2024		
1.	_	g are medically accept	ted terms relat	ted to drown	ing? Select all that apply.	(PPT slide #8)	
	☐ Dry drowning				Non-fatal drowning		
	☐ Fatal drowning				Non-fatal drowning		
2.	Priority for EMS treating	ng patients who have o	drowned is cor	rection of		and support of	
					(PPT sl	lide #8)	
3.	Read the scenario on patient? (SOP p 31)	slide 9. What airway/l	breathing/oxyg	genation/vent	ilation intervention is most	appropriate for this	
4.	Continue reading the have a friend take hin			reasoning fo	or whether it is safe for thi	is patient to refuse and	
5.					m of resuscitation should strate effective cardio-res		
	□ True		☐ False				
6.	List the mode of O ₂ drowning: (SOP p 31)		r each of the f	ollowing pati	ients <i>with a pulse</i> , who ha	ve experienced	
	Unresponsive; shallow, labored respirations; SpO2 89%						
	Awake; good resp effort; ↑ WOB; coarse rhonchi						
	Child who is awake, o	coughing; coarse brea	th sounds; Sp	O2 90% _			
7.	Complete the followin	g comparing Mild and	Moderate hyp	pothermia. (SOP p 30)		

	LOC / speech	Muscle tone and shivering	Heart rate
Mild			
Moderate			

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8.	Read slides 23 and 24. Then complete the following: (Slides and SOP p 30)
	Heat loss is directly proportional to
	Application for EMS when covering a patient to prevent further heat loss:
9.	Read "Scenario 2". According to assessment findings, what stage/level of severity cold is this patient experiencing? List VS, assessments etc by which you came to your conclusion. (SOP p 30)
10.	Which of the following actions <i>for this patient</i> is/are most appropriate to prevent further heat loss? Select all that apply. (SOP p 30)
	□ Active rewarming
	□ Passive rewarming only
	□ Warm NS IVF at TKO rate
	□ Warm NS IVF 200 mL boluses
	☐ Remove wet clothing, and dry patient's skin
11.	This patient should be positioned supine, and allowed to move as little as possible / lie quietly. Why? (SOP p 30)
	and case study 3. Then answer questions 13-16. (SOP p 32) This patient has signs and symptoms of both heat exhaustion and heat stroke. List those below:
	Heat exhaustion:
	Tieat extraustion.
	Heat stroke:
14.	Assuming the patient may be experiencing heat stroke, what care should this patient receive with regards to cooling? List 3. (SOP p 32)
15.	How should the patient be positioned? (SOP p 32)
16.	A patient with heat stroke presents w/ BP 178/112. The patient has been sweating profusely. At what rate should IVF be delivered? Select the correct answer. (SOP p 32)
	□ TKO □ 200 mL increments

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		Lack of oral fluid intake	
		Elevated core temperature	
		Redistribution of volume to the core via	
		Redistribution of volume to the periphery	via peripheral vasodilation
18.	To be	e diagnosed with heat stroke, a patient mu	st have absent sweating. True or false? (Slides 35-36; SOP p 32)
		☐ True	☐ False
19.	What		on and movement when the patient begins to cool? (Slide #36)
20.	What	it is EMS' primary responsibility in the care	of a patient with heat stroke? (Slide #36)
21.	Wh _y	ny is crush syndrome often overlooked? (s	lide 40)
	Name (slide	e 3 intracellular components that are releas	ed during crush syndrome, that cause damage in the extracellular sp
	Name (slide	e 3 intracellular components that are releas e 41)	ed during crush syndrome, that cause damage in the extracellular sp
	Name (slide	e 3 intracellular components that are releas e 41)	ed during crush syndrome, that cause damage in the extracellular sp
21.	Name (slide	e 3 intracellular components that are releas e 41)	ed during crush syndrome, that cause damage in the extracellular sp
2.	Name (slide 1 2 3	e 3 intracellular components that are releas e 41)	ed during crush syndrome, that cause damage in the extracellular sp
2.	Name (slide 1 2 3	e 3 intracellular components that are releas e 41)	ed during crush syndrome, that cause damage in the extracellular spa-
2.	Name (slide 1 2 3 Which	e 3 intracellular components that are release 41) th of the following are potential ECG change	ed during crush syndrome, that cause damage in the extracellular sp - -
2.	Name (slide 1 2 Which	e 3 intracellular components that are release 41) th of the following are potential ECG change.	ed during crush syndrome, that cause damage in the extracellular sp - -
2.	Name (slide 1 2 3 Which	e 3 intracellular components that are release 41) th of the following are potential ECG chang Peaked T waves Hyperacute P wave	ed during crush syndrome, that cause damage in the extracellular sp - -
2.	Name (slide 1 2 3 Which	e 3 intracellular components that are release 41) th of the following are potential ECG chang Peaked T waves Hyperacute P wave Prolonged/widening QRS	ed during crush syndrome, that cause damage in the extracellular sp - -

For a patient experience	ing suspension inju	ury with decrea	ased brain circulation, how might they present: (slide 54)			
A. Unconscious	B. Cardia	c arrest	C. Brain damage			
D. Death	E. All of the	ne above				
he harness straps acting collecting in the legs and	like tourniquets, f decreased circulat	orcing blood to ion back to vit	he lower extremities, but return back to the heart is impeded o pool in the legs. As a result, there is coagulated/toxic blotal organs like the heart and lung. As such, once the patien now they should be positioned? (slide 55)			
27. What is currently the	only replantation co	enter in the No	orthwest Community EMS System? (slide 56)			
A. Lutheran Gei	neral Hospital	B. Alexia	n Brothers Medical Center			
B. St. Alexius M	edical Center	D. Conde	ell			
		e protocol for c	are of amputated parts: (slide 57)			
A. Locate all amputa	•					
B. Irrigate generous						
·	C. Wrap in saline-moistened gauze or towel					
D. Place in waterpro						
E. Surround contain	er with cold packs	and cool the p	arts (do not freeze)			
29. Label the following as	s a Primary, Secon	dary or Tertiar	y injury due to a blast or explosion: (slide 59)			
a. Patient is thrown	a. Patient is thrown across the room and their body strikes a nearby wall					
b. Patient presents v	vith a tension pneu	mothorax with	no obvious external injury			
c. Patient has multip	le pieces of glass e	embedded in t	heir abdomen			
30 – 35. Match the syndr	ome with the symp	toms or treatm	nent (answers may be used more than once): (slides 39-60)			
A. Compartment SyB. Crush SyndromeC. Suspension InjuiD. Blast Injury)					

30. EMS notes the following EKG after a patient has been extricated from a large tree branch that had been pinning their leg for several hours. What condition is the patient experiencing? 31. 39-year-old male is presenting with a flail segment after being thrown against a nearby machine in a factory following and explosion. 32. A window washer becomes unresponsive after hanging in their harness for 30 min. 33. A patient calls EMS due to extreme pain in his lower leg after a recent surgery. EMS notes significant swelling in the lower leg. What condition is the patient likely experiencing? 34. The treatment for this condition includes starting an IV and running a baseline EKG on your patient prior to moving them: 35. The treatment for this condition includes a fasciotomy at the hospital to relieve the increase in pressure: 36. If you are treating a patient for crush syndrome and are unable to establish an IV/IO, what medication should be given? (slide 48) 37. What is the mechanism of action (for crush syndrome) for the medication listed in question 36? (SOPs) 38. In the case study involving the patient trapped by a plow, once he is moved, he experiences crush syndrome. After initial treatment with fluids and sodium bicarb takes place, the patient is still tachycardic and has increased respiratory rate. What treatment would be indicated next, per protocol? (slide 70). 39. How should EMS care for/treat a penetrating object that is not impeding airway/breathing? (slide 63) 40. Where should a patient be transported with a penetrating injury to a proximal extremity? (slide 63)