Northwest Community EMS System January 2024 CE: Infection | Sepsis | Abdominal Emergencies Credit Questions

Name (Print):		EMS Agen	EMS Agency:		
EMS Educator:					
Date submitted	Score:	☐ Acceptable ☐ Not acceptable	☐ Incomplete ☐ Incorrect answers	Date returned w/ feedbac	
Resubmission received:	Score:	Acceptable Not acceptable	☐ Incomplete ☐ Incorrect answers	Date returned w/ feedbac	
# CE Hours awarded:		Date			
This packet sh	ould take 2 hours to	o complete – which earns the	equivalent of the 2-hour l	ive CE class.	
urces of information	on/answers				
nuary CE PowerPoir	nt PDF, PBPI 2023	Sepsis Screen, and NWCEN	SS SOPs		
List 4 injury patter	ns that meet Level 1	trauma center criteria.			
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Which of the follow	ving are NOT criteria	a to be transported to a Level	1 trauma center?	· · · · · · · · · · · · · · · · · · ·	
	ving are NOT criteria	•	1 trauma center?		
a. Penetrating inju	ıry to proximal extre	•			
a. Penetrating inju	ry to proximal extre	mities			
a. Penetrating injub. Active bleedingc. Suspected pelv	ry to proximal extre requiring a tourniquic fracture	mities	nuous pressure		
a. Penetrating injub. Active bleedingc. Suspected pelvd. Blunt force trau	ry to proximal extre requiring a tourniquic ric fracture ma to proximal extre	mities uet or wound packing or conti	nuous pressure ly stable		
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 a. Penetrating injub. b. Active bleeding c. Suspected pelvic d. Blunt force trau What are the top 5 1. 2. 	iry to proximal extre requiring a tourniquic ric fracture ma to proximal extre EKG rhythms that a	mities uet or wound packing or conti emities while hemodynamical are most misinterpreted in ou	nuous pressure ly stable r system?		
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a. Penetrating injub. Active bleeding c. Suspected pelved. Blunt force trau What are the top 5. 1. 2. 3. 4. 5. For a sepsis patien	requiring a tourniquic fracture ma to proximal extre EKG rhythms that a	mities uet or wound packing or continent or wound packing or continent or would be a continent or wou	nuous pressure ly stable r system?	ge?	
a. Penetrating injub. Active bleeding c. Suspected pelved. Blunt force trau What are the top 5. 1. 2. 3. 4. 5. For a sepsis patien What percentage of	requiring a tourniquic fracture ma to proximal extre EKG rhythms that a	mities uet or wound packing or continent or wound packing or continent or would be a continent or wou	nuous pressure ly stable r system?	ge?	

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7.	List 7 signs and symptoms of infection.							
8.	What is the definition of sepsis?							
			· · · · · · · · · · · · · · · · · · ·	 				
	During the SEPSIS: FIRST RESPONSE video, they utilize the acronym CHART to help provide a systematic approact to assessing a patient with potential sepsis. What does this acronym stand for?							
	https://www.youtube.com/watch?v=Upf8C7x	<u>SPdk</u>						
	C							
	Н							
	Α							
	R							
	Т							
10-1	3. True or False, during Sepsis:							
	Inflammatory chemicals remain local and do r	not develop into a systemic response?	☐ True	☐ False				
	Widespread vasodilation contributes to hypote	nsion?	☐ True	☐ False				
	Dysregulation in bleeding/clotting contributes	to tissue and organ hypoxia?	☐ True	☐ False				
	Vascular permeability means fluid stays in the	vessels, where it should be?	☐ True	☐ False				
14.	The end result in septic shock is that the wi	despread inflammation leads to cellul	ar hypoxia, v	which leads to:				
15.	Select which of the following are the 3 components of a qSOFA assessment?							
	a. RR≥22	d. AMS (GCS < 15) or GCS	1 point below	v baseline				
	b. HR≥110	e. SBP ≤ 100						
	c. Sp02 ≤ 95%	f. Glucose ≤ 70						
16.	During sepsis, the widespread inflammation s become more acidotic. How does the body c	·		•				
	What happens as a patient increases their respiratory rate?							
	What happens to capnography values as exc							
17.	According to SOP, what is the first line treatment for a septic patient with SBP between 90-100?							
	a. Antibiotics	b. 200 ml boluses of NS to ac	hieve SBP ≥	100				
	c. ASA 324 mg	d. Norepinephrine 8 mcg/min						
	Why is it important to start a large bore IV in							

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19.	In the case study presented, what assessment findings lead to the diagnosis of septic shock?						
20.	For the patient in septic shock, after 500 ml of fluid, if they still remain hypotensive, what medication is indicated?						
21.	The parent of a pediatric patient tells you that there is an outbreak of measles at their child's day care center. Describe required PPE for EMS <u>and</u> for the patient. (Slide 15)						
22.	Name the respiratory virus in which each of the following symptoms occurs more commonly. (Slide 16)						
	Body aches:						
	Wheezing: Fever						
	Difficulty breathing						
	Read the scenario on slide 19. What resp illness do you suspect? Support your answer with findings that coincide with findings as described in the SOP on page 81.						
	Illness						
	Findings:						
24.	Consult slide 21. Explain why each of these three respiratory illnesses are treated, when severe, with nebulized Epi and not with albuterol/ipratropium.						
25.	Answer the following about the procedure to prepare Epi administration via nebulizer. (SOP p 81; Slide 23)						
	Choice of Epinephrine solution concentration (mg in mL):						
	Dose and volume to be drawn up:						
26.	What assessment should be used by EMS to assess for evidence / severity of volume loss in patients with upper or lower GI bleeding who are not currently hypotensive? (Slide 27, 41)						
27.	What intervention is indicated for patients with hypotension due to GI bleeding volume loss? (Slide 28, 30, 42)						
28.	What happens to hepatic tissue in patients with cirrhosis? (Slide 31)						
29.	What process occurs in hepatic tissue in patients as a result of hepatitis? (Slide 32)						
30.	What are the consequences of untreated of recurrent bouts of hepatitis? Select all that apply. (Slide 32)						
	a. Gall stones b. Liver hypertrophy						
	c. Fatty infiltrates d. Type 2 Diabetes						
31.	A patient who is acutely ill w/ hepatitis may complain of which of the following? Select all that apply. (Slide 34)						
	a. Nausea and vomiting b. Loss of appetite						
	c RUQ or Rt shoulder pain d. Tarry stools						
32.	Deposits of "fat" (in the form of triglycerides) results in what two changes to liver tissue? (Slide 36) and						

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33.	Which of the following are risk factors for NAFLD? Select all that apply. (Slide 35)						
	a.	Portal hypertension					
	b. Obesity						
	C.	Type 2 diabetes					
	d.	Liver cancer					
	e.	Dyslipidemia					
	f.	Metabolic syndrome					
34.	Wha	at is the result of the resis	stance to flo	ow created by portal HTN? (Slide 38)			
35.	Sple	enic rupture should be co	nsidered ir	the presence of which of the following? Select all that apply. (Slide 47)			
	a.	Ecchymosis noted arou	and the um	bilicus			
	b.	History + for mechanisi	m of blunt t	rauma			
	C.	Physical signs of traum	a				
	d.	Risk factors incl liver di	sease, anti	coagulant use, infections, blood cancers			
36.	ETC		recently di	upper abdominal pain radiating to their back and N&V. PMH includes heavy agnosed with gall stones. You note tenderness to palpation in the epigastric les 49-50)			
37.	frequ ACS,	ently but states it provide	es him no re placed on E	esity presents w/ RUQ and Rt shoulder pain, and nausea. The patient belches elief, and is not normal for him. Evaluation for ACS is negative for findings of ECG monitoring, and an IV TKO is established. Aside from ACS, what should sion? (Slides 54-55)			
38.		ate which type of aneurys sponds to. (Slides 59-61		lominal aortic or 2 = thoracic aortic aneurysm) each of the following symptoms			
	Abrupt sharp pain in chest or upper back						
	Throbbing, deep pain in back, sides, buttocks, groin, legs						
	Hoarse voice						
	Trouble breathing or swallowing						
	Urge to defecate						
		Trouble swallowing					
		_ Pulsatile abdominal r	nass				
39.	Whic	– ch are risk factors for aor	tic aneurvs	m? Select all that apply. (Slide 62)			
	a.	Obesity	b.	Hypertension			
	C.	Atherosclerosis	d.	Chronic alcohol use			
	e.	Hyperlipidemia	f.	Increased abdominal girth			
40							
40.	vvn	en should tv liuid challer	iges be giv	ren to patients with suspected aortic aneurysm? (Slide 62; SOP p 24)			