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Date: April 14, 2021

System Memo: # 398

- To: All System members who document in Image Trend
- From: Connie J. Mattera, MS, RN, PM Jim Klein, PM (AHFD) EMS Administrative Director CARS Chairperson

RE: New ImageTrend Worksheet: SEPSIS & Septic Shock Modification to impression list and PPE options list

The CARS Committee was tasked with creating a streamlined and simplified way of documenting SEPSIS and SEPTIC SHOCK Alerts.

Jim Klein created a worksheet similar to the process used to document the stroke BEFAST assessment that has been so successful. The Sepsis tool has been approved by the full CARS Committee. Please see the screen shots below to become familiar with the new entries.

- Validity rules for these notations will go live on May 1, 2021.
- Questions? Please contact Connie Mattera at <u>cmattera@nch.org</u>.

## #1 Worksheet should be completed if you answer YES to question about possible infection.

_	here sets visibility and valid	ation rule changes for th	is record.	
Incident / Patient Disposition:		<ul><li>✓</li></ul>		
Recent Exposure to Infectious Disease:	Yes	Ne Unknown	•	
Do you suspect the patient has an infection?:	No	Yes		
patient has an				
patient has an infection?:		Yes		

NWC EMSS System Memo 398: Sepsis worksheet introduction page 2

Save	Print PDF CAD	KG Transfers	(0) Messages Clos			Ð Times
Visib	oility Filter					-
	Start Here Setting values her	re sets visibility a	nd validation rule	changes for this record.	Tim	eline
	Incident / Patient Disposition:			▼ ■	Situ	
	Do you suspect the patient has an infection?:	No	Yes			sheets
	Possible Stroke?:	No	Yes		vi	tals
						sment
	Was Narcan administered prior to EMS arrival?:	No	Yes			eds
	# of Patients at Scene:				5	///0
	# or Patients at Scene:	Single	Multiple	None	AHP	Proced
	Injury Found Possible or	(	10			All

#### Select SEPSIS Worksheet

Prink PDF CAD	EKG Transfers	(O) Messages	All Worksheets	X O
Visibility Filter Start Here – Setting values h	nere sets visibility ar	nd validation r		
Incident / Patient Disposition:	1		School Bus SEPSIS	Situations
Do you suspect the patient has an infection?:	No	Yes		JotPad <b>4</b> Power Tools
Possible Stroke?:	No	Yes		COVID-19
		[		BEFAST

# **#2** Complete appropriate option: If patient has infection but has NO S&S of sepsis or septic shock, click on ALL NA

SEPSIS ALERT (NCH t Worksheet	crew Member Date Time 2/19/2021 14:28	All Times
✓ OK X Cancel	Delete	Timeline
SEPSIS ASSESSMENT (Adult) >	SEPSIS ASSESSMENT (Adult)	Situations
SEPTIC SHOCK (Adult)		JotPad
SEPSIS ASSESSMENT (Peds)	EtCO <sup>2</sup> ≤ 30 mmHg YES NO	Power Tool
SEPTIC SHOCK (Peds)		COVID-19
	Does the ADULT       Patient meet any of       the qSOFA criterion?   Acute AMS (GCS <15) RR ≥ 22 SBP ≤ 100	BEFAST
	Are there ≥ 2 qSOFA Criteria? → SEPSIS ALERT	
	Warm Stage (6-24 hrs.)	Cardiac

**#3:** If pt has an infection + ETCO<sub>2</sub> is 30 mmHg or less: complete the qSOFA assessment. If 2 or more qSOFA criteria are positive  $\rightarrow$  CALL SEPSIS ALERT

Enter S&S if they meet criteria for warm shock.

SEPSIS ASSESSMENT (Adult) >	EtCO² ≤ 30 mmHg			
SEPTIC SHOCK (Adult)		YES	NO	
SEPSIS ASSESSMENT (Peds) > -				
SEPTIC SHOCK (Peds)	Does the ADULT Patient meet any of the qSOFA criterion?	Acute AMS (GCS <15)	RR ≥ 22	SBP ≤ 100
	Are there ≥ 2 qSOFA Crit	eria? $\rightarrow$ SEPSIS ALERT		
	Warm Stage (6-24 hrs.)			
		↑RR	↑HR	↓BP
		SKIN: hot, dry, flushed	Fever	

#### NWC EMSS System Memo 398: Sepsis worksheet introduction page 4

If BP < 90 mmHg or more than 40 mmHg less than their normal baseline, enter S&S of Septic Shock; especially criteria for the cold stage.

SEPSIS ASSESSMENT (Adult)	>	SEPTIC SHOCK (Adult)			
SEPTIC SHOCK (Adult)	>				🗖 All N/A
SEPSIS ASSESSMENT (Peds)	>	Consider SHOCK if presenting with ANY	SBP < 90mmHg (MAP	Hypotension 40mmHg	
SEPTIC SHOCK (Peds)	>	of the following	65)	< baseline	EtCO <sup>2</sup> ≤ 25
			Lactate Level ≥ 4 mmol/L		
		Cold Stage			
		(ominous/late)	AMS	Temp < 96.8 °F	SKIN: Mottled, Cold
			↑ RR & HR	Profound Hypotension	

**#4:** If patient is a child 12 years or younger, complete the PEDS sepsis assessment (click on all that apply) according to the Peds Sepsis SOP (p.90).

SEPSIS ASSESSMENT (Adult)	EtCO <sup>2</sup> ≤ 30 mmHg	Yes	No	-
SEPTIC SHOCK (Adult)		Yes	NO	
SEPSIS ASSESSMENT (Peds) >	Does the PEDS Patient meet any of the qSOFA	Resp. Distress ( ↑	SBP > 70 + 2x Age	
SEPTIC SHOCK (Peds)	criterion?	WOB)	(Peds aged 1-10)	Capillary Refill ≥ 3 sec.
		Weak Radial Pulse	Severe Tachycardia	
	Are there ≥ 2 qSOFA Crite	eria? $\rightarrow$ SEPSIS ALERT		
	Warm Stage (6-24 hrs.)			
		↑RR	↑HR	↓BP
		SKIN: Hot, Dry, Flushed	Fever	

## NWC EMSS System Memo 398: Sepsis worksheet introduction page 5

If hypotensive for age, complete septic shock assessments

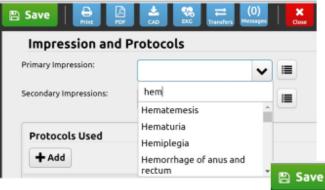
SEPSIS ASSESSMENT (Adult)	>		Flushed	rever	•
SEPTIC SHOCK (Adult)	>	SEPTIC SHOCK (Peds)			_
SEPSIS ASSESSMENT (Peds)	>				🗖 All N/A
SEPTIC SHOCK (Peds)	<mark>&gt;</mark>	Consider SHOCK if presenting with ANY of the following	SBP < 70 + 2x Age (Peds aged 1-10)	EtCO <sup>2</sup> < 25 mmHg	Lactate Level ≥ 4 mmol/L
		Cold Stage (ominous/late)	AMS	Temp. < 96.8 °F	SKIN: Mottled, Cold
			↑ HR & RR	Profound Hypotension	
		SEE SOP P. 74 for Normal	PEDS VS		

### **#5:** When done, click OK.

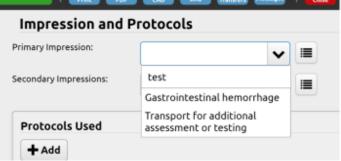
SEPSIS ALERT (NCI	H testing)	Crew Member		0
✓ OK X Cance	l 🗍 🛱 Delete			
SEP SMENT (Adult)	SEPSIS ASSESSMENT (Ad	ult)		
SEPT K (Adult)				_
SEPSIS ASSESSMENT (Peds)	EtCO <sup>2</sup> ≤ 30 mmHg	YES NO		
SEPTIC SHOCK (Peds)				
<mark>When Yo</mark> เ		Acute AMS (GCS <15) RR ≥ 22	SBP ≤ 100	
Done click	$OK$ re there $\geq 2$ qSOFA Cr	iteria? → SEPSIS ALERT		
	Warm Stage (6-24 hrs.)			
		1 RR 1 HR	↓BP	
		SPIN: hot dru fluchad Enuar		

ersonn	el & Unit		
	Crew Member:		
		~	:
	PPE Used:		
	Find a Value	=	:
	Mask - Surgical	<b>^</b>	
	Mask - N95	_	
	Eye Protection (goggles, glasses)	- 1	
	Full Face Shield	- 5	
	Gown Fluid - Repellent		
	Gown Disposable (isolation)		
	Gown Reusable		
	Social Distancing	-	

PPE list reorganized to add all routine choices and change order so they are easier to find



Couple more impressions added based on committee member requests



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