



**NORTHWEST
COMMUNITY
EMERGENCY
MEDICAL
SERVICES
SYSTEM**

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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 cmattera@nch.org.

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

Visibility Filter

Start Here -- Setting values here sets visibility and validation rule changes for this record.

Incident / Patient Disposition:

Recent Exposure to Infectious Disease:

Do you suspect the patient has an infection?:

Possible Stroke?:

Was Narcan

Timeline
Situations
JotPad
Worksheets
Vitals
Assessment
Meds
IV/IO

Save | **Print** | **PDF** | **CAD** | **EKG** | **Transfers** | **(0) Messages** | **Close**

Visibility Filter

Start Here -- Setting values here sets visibility and validation rule changes for this record.

Incident / Patient Disposition:

Do you suspect the patient has an infection?:

Possible Stroke?:

Was Narcan administered prior to EMS arrival?:

of Patients at Scene:

Injury Found, Possible or

Side Panel: All Times, Timeline, Situations, JotPad, **Worksheets**, Vitals, Assessment, Meds, IV/IO, AH Proced, All

Select SEPSIS Worksheet

Save | **Print** | **PDF** | **CAD** | **EKG** | **Transfers** | **(0) Messages** | **Close**

Visibility Filter

Start Here -- Setting values here sets visibility and validation rule changes for this record.

Incident / Patient Disposition:

Do you suspect the patient has an infection?:

Possible Stroke?:

All Worksheets Panel: COVID-19, BEFAST, Suicidal, Cardiac, School Bus, **SEPSIS**

Side Panel: All Times, Timeline, Situations, JotPad, Power Tools, 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 testing)
Worksheet

Crew Member: [Yellow box] Date: 2/19/2021 Time: 14:28

Buttons: OK, Cancel, Delete

SEPSIS ASSESSMENT (Adult)

☒ All N/A

EtCO₂ ≤ 30 mmHg

YES NO

Does the ADULT Patient meet any of the qSOFA criterion?

Acute AMS (GCS <15) RR ≥ 22 SBP ≤ 100

Are there ≥ 2 qSOFA Criteria? → SEPSIS ALERT

Warm Stage (6-24 hrs.)

#3: If pt has an infection + ETCO₂ is 30 mmHg or less: complete the qSOFA assessment. If 2 or more qSOFA criteria are positive → **CALL SEPSIS ALERT**

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

SEPSIS ASSESSMENT (Adult)

EtCO₂ ≤ 30 mmHg

YES NO

Does the ADULT Patient meet any of the qSOFA criterion?

Acute AMS (GCS <15) RR ≥ 22 SBP ≤ 100

Are there ≥ 2 qSOFA Criteria? → SEPSIS ALERT

Warm Stage (6-24 hrs.)

↑ RR ↑ HR ↓ BP

SKIN: hot, dry, flushed Fever

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) >	<input checked="" type="checkbox"/> All N/A		
SEPSIS ASSESSMENT (Peds) >	Consider SHOCK if presenting with ANY of the following		
SEPTIC SHOCK (Peds) >	SBP < 90mmHg (MAP 65)	Hypotension 40mmHg < baseline	EtCO ₂ ≤ 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 ₂ ≤ 30 mmHg		
SEPTIC SHOCK (Adult) >	Yes	No	
SEPSIS ASSESSMENT (Peds) >	Does the PEDS Patient meet any of the qSOFA criterion?		
SEPTIC SHOCK (Peds) >	Resp. Distress (↑ WOB)	SBP > 70 + 2x Age (Peds aged 1-10)	Capillary Refill ≥ 3 sec.
	Weak Radial Pulse	Severe Tachycardia	
	Are there ≥ 2 qSOFA Criteria? → SEPSIS ALERT		
	Warm Stage (6-24 hrs.)		
	↑ RR	↑ HR	↓ BP
	SKIN: Hot, Dry, Flushed	Fever	

If hypotensive for age, complete septic shock assessments

SEPSIS ASSESSMENT (Adult) >	Flushed	Fever
SEPTIC SHOCK (Adult) >	SEPTIC SHOCK (Peds)	
SEPSIS ASSESSMENT (Peds) >	<input checked="" type="checkbox"/> All N/A	
SEPTIC SHOCK (Peds) >	<p>Consider SHOCK if presenting with ANY of the following</p> <div> <div>SBP < 70 + 2x Age (Peds aged 1-10)</div> <div>EtCO₂ < 25 mmHg</div> <div>Lactate Level ≥ 4 mmol/L</div> </div>	
	<p>Cold Stage (ominous/late)</p> <div> <div>AMS</div> <div>Temp. < 96.8 °F</div> <div>SKIN: Mottled, Cold</div> </div>	
	<div> <div>↑ HR & RR</div> <div>Profound Hypotension</div> </div>	
	SEE SOP P. 74 for Normal PEDS VS	

#5: When done, click OK.

SEPSIS ALERT (NCH testing) Worksheet		Crew Member	Date	Time
		<input type="text"/>	4/8/2021	21:24
<input checked="" type="checkbox"/> OK	<input checked="" type="checkbox"/> Cancel	<input checked="" type="checkbox"/> Delete		
SEPSIS ASSESSMENT (Adult) >	SEPSIS ASSESSMENT (Adult)			
SEPTIC SHOCK (Adult) >	EtCO ₂ ≤ 30 mmHg			
SEPSIS ASSESSMENT (Peds) >	<div> <div>YES</div> <div>NO</div> </div>			
SEPTIC SHOCK (Peds) >	<p>Does the ADULT patient meet any of the qSOFA criterion?</p> <div> <div>Acute AMS (GCS <15)</div> <div>RR ≥ 22</div> <div>SBP ≤ 100</div> </div>			
	Are there ≥ 2 qSOFA Criteria? → SEPSIS ALERT			
	Warm Stage (6-24 hrs.)			
	<div> <div>↑ RR</div> <div>↑ HR</div> <div>↓ BP</div> </div>			

When You're Done click OK

Personnel & Unit

Crew Member:

PPE Used:

- Find a Value...
- Mask - Surgical
- Mask - N95
- Eye Protection (goggles, glasses)
- Full Face Shield
- 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

Impression and Protocols

Primary Impression:

Secondary Impressions:

- Hematemesis
- Hematuria
- Hemiplegia
- Hemorrhage of anus and rectum

Protocols Used

+ Add

Couple more impressions added based on committee member requests

Impression and Protocols

Primary Impression:

Secondary Impressions:

- Gastrointestinal hemorrhage
- Transport for additional assessment or testing

Protocols Used

+ Add