SEVERE SEPSIS SCREENING TOOL

Patient ID Label

Directions: Screening to be done when PICU Daily Goals Sheet is initiated.

Nursing: answer question #1

PICU resident: answer questions #2 + 3. If all three questions are yes, the patient has severe sepsis.

Screen Initiated: Date:	Time:	Nurse Name:			
Nurse to Complete:					
1) Are any two of the following signs and symptoms of infection both present and new to the					
patient?					
☐ YES, forward the tool to					
\square NO, file form in IHI Aud	_				
☐ Hyperthermia >38.3 C	Chills with rigo				
(101.0F)	☐ Tachycardia (se				
\square Hypothermia <36 C (96.8 F)	back)	Leukopenia (WBC count < 5000 uL-1)			
☐ Acutely altered mental	☐ Tachypnea (see				
status	back)	☐ Hyperglycemia (plasma glucose >120 mg/dL) in absence of			
		diabetes			
Resident/physician to Complete					
2) Is the patient's history suggestive of a new infection? (Check all that apply)					
☐ YES, proceed to questio	n #3.				
\square NO, file form in IHI Aud	lit bin in Nursing Sta	ation.			
☐ Pneumonia/empyema	☐ Skin/soft tissue	☐ Endocarditis			
☐ Urinary tract infection	inflammation	☐ Implantable device infection			
☐ Acute abdominal	☐ Bone/joint infe	- Cinci infection			
infection	☐ Wound infection	on			
☐ Meningitis	☐ Blood stream ca	atheter			
2) Are correct the fellowing are	infection	towic apparent at a site name to from the site of			
the infection that are NOT con-		teria present at a site remote from the site of			
		s the remote site stipulation is waived.			
	*	actate level and blood cultures.			
	□ NO, file form in IHI Audit bin in Nursing Station.				
☐ SBP (see chart on back)	\square Bilirubin > 2 m	—			
Coagulopathy (INR> 1.5	(34.2 mmol/L)	infiltrates with PaO2/FiO2 ratio			
or aPTT > 60 secs)	☐ Bilateral pulmo	nary < 300			
☐ Lactate > 2 mmol/L	infiltrates with a	new (or			
(18.0 mg/dl)	increased) oxyge				
☐ Platelet count < 100,000	requirement to n SpO2 > 90%	iaintain			
Is the answer yes to all 3 items above? (severe sepsis is present)					
Serum lactate level orde					
■ Blood cultures ordered? □ Yes, □ No, Explain:					
■ First dose antibiotic considered/administered? ☐ Yes, ☐ No, Explain:					
■ Enter date and time of diagnosis of severe sepsis:					
Date: Time:	Physician N	Name:			
NOT A CHART FORM – Fax to 4~5870 if positive					
I NOI A		14 10 1-7010 11 100311116			

CQI Dept 10/20/06 Age-specific vital signs and laboratory variables (lower values for heart rate, and leukocyte count are for the 5th and upper values for heart rate, respiration rate, or leukocyte count for the 95th percentile)

Age Group	Heart Rate, Beats/Min		Respiratory rate,	Leukocyte Count,
	Tachycardia	Bradycardia	Breaths/ Min	Leukocytes X 10 ³ /mm
0 days – 1 wk	>180	<100	>50	>34
1 wk ~ 1 mo	>180	<100	>40	>19.5 or <5
1 mo − 1 yr	>180	<90	>34	>17.5 or <5
2-5 yrs	>140	NA	>22	>15.5 or <6
6-12 yrs	>130	NA	>18	>13.5 or <4.5
13 to <18 yrs	>110	NA	>14	>11 or <4.5

Age-appropriate limits for hypotension

Age Group	Systolic Blood Pressure, mm Hg
Newborn – 30 days	≤ 60
1 mo ~ <1 yr	≤ 70
> 1 year – 10 yrs	\leq 70 + 2x (age in years)
≥ 10 yrs	< 90