**SEVERE SEPSIS SCREENING TOOL**

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| 1. **INFECTION**
 |
|  | Suspected or documented infection |
|  | Antibiotic therapy |
| Check blood glucose if any one above is checked AND proceed to STEP II: Blood sugar: |
| If no checks above = NEGATIVE screen for sepsis: Initial \_\_\_\_\_\_\_\_\_No need to proceed to Step II, however continue to assess resident for changes: STOP and WATCH early warning tool OR Using your Senses to Identify Sepsis |

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| 1. **SIRS – Systemic Inflammatory Response Syndrome**
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|  | Temperature greater than or equal to 101 or less than or equal to 96.8Fhttps://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQtkPdJJZdG1vGOnzikVZsHzCsTzZ5AMskBbypuw-xg8j9jBJYw8HYz3OY |
|  | HR greater than 90 beats/minute https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbEwxiS1LYM09XWnqmuuPZz2Sx54NAAk88T2x4DEQqqODlY5AH_flIYFg |
|  | Respiratory rate greater than 20 breaths/minute https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSqLjAFafT6QPmGdrfejQwc207F8MF8iX4njMDZTJpliEeBMXCYF2yi8Q |
|  | Blood glucose greater than 140 in non-diabetics |
|  | If less than 2 checked = NEGATIVE screen for sepsis: Initial \_\_\_\_\_\_\_\_\_No need to proceed to Step III, however continue to assess resident. |
|  | If 2 above are checked, PATIENT SCREENED POSITIVE FOR SEPSIS |
|  | Place resident on I & O. Monitor and record urine output every shift |
|  | Obtain order for LACTIC ACID and proceed to Section III |

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| 1. **ORGAN DYSFUNCTION**
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|  | Respiratory: SAO2 less than 90% OR increasing O2 requirementshttps://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSqLjAFafT6QPmGdrfejQwc207F8MF8iX4njMDZTJpliEeBMXCYF2yi8Q |
|  | Cardiovascular: SBP less than 90mmHg OR 40mmHg less than baselinehttps://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbEwxiS1LYM09XWnqmuuPZz2Sx54NAAk88T2x4DEQqqODlY5AH_flIYFg |
|  | Renal: Urine output less than .5ml/kg over last 8 hourshttps://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcTIJp4MgRykk-xkBaVDxIrLUN9fyM3p7V1aBJyRMBPhdwQCp1j4PqiFnsAhttps://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcQctzngMpXKulDsOUNZHOUEbAq2e6gBo8DAHRJBX28KlPOP5_bJOY2vkw |
|  | CNS: Mental status changes https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQfLi2CKlu4o8ALE6dX-JwY-agbfyAwSX6jiFTgtWDqMpi5_qkgIOTomZY |
| **LABS: (Do not use lab results older than 24 hours)** |
|  | Platelets less than 100,000 |
|  | INR greater than 1.5 |
|  | Bilirubin greater than or equal to 4mg/dl |
|  | Serum lactic acid greater than or equal to 2mEq/l |
| If 1 above checked, PATIENT SCREENS POSTIVE FOR SEVERE SEPSIS. CALL PHYSICIAN AND FOLLOW SBAR SCRIPT BELOW. |
| If no checks above = NEGATIVE screen for sepsis: Initial \_\_\_\_\_\_\_\_\_Continue to assess. No further action at this time. |

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| **SITUATION:** | Tell physician resident screened positive for Severe Sepsis |
| **BACKGROUND** | Describe positive SIRS; Inform physician if resident is currently being treated for a known infection; share which organ system has dysfunction |
| **ASSESSMENT** | Share VS and SaO2 (pulse ox) |
| **RECOMMENDATION:****REQUEST ORDER FOR FOLLOWING** | Blood cultures; CBC; Lactic Acid (if not previously drawn) IV Antibiotic |
| Decreased BP, fluid bolus 30ml/kg over 1 hour or faster until hypotension resolved. If resident does not respond to bolus, send to ER |

**USING YOUR SENSES TO IDENTIFY SEPSIS (HOME INSTEAD)**

Skin redness, swelling, discharge, decreased urination

 Complaints of pain, chills and/or breathing

 Warm wound, fast pulse, hot, cold or clammy skin

 Odor from wound, urine and/or breath

 Decreased appetite

**STOP AND WATCH (INTERACT)**

**S** – Seems different than usual

**T** – Talks or communicates less

**O** – Overall needs more help

**P** – Pain- new or worsening; Participated less in activities

**a** – Ate less

**n** – No bowel movement in 3 days; or diarrhea

**d** – Drank less

**W** – Weight change

**A** – Agitated or nervous more than usual

**T** – Tired, weak, confused, or drowsy

**C** – Change in skin color or condition

**H** – Help with walking, transferring, toileting more than usual

SIRS CRITERIA (STARFORUM BUG)



Patient's with known or suspected infection i.e. UTI, pneumonia, visible wound/ulcer that appears infected

HEART RATE >100 

SYSTOLIC BP <100

TEMPERATURE >100 

SYMPTOMS

⃝ Fever ⃝Chills ⃝ cough ⃝myalgia ⃝abdominal pain ⃝vomiting ⃝diarrhea ⃝pain/burning on urination ⃝headache ⃝ rash ⃝localized redness, heat, pain, swelling, purulent drainage ⃝current or recent antibiotic (not prophylaxis) ⃝recent change in mental status