**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** | |
|  | Temperature greater than or equal to 101 or less than or equal to 96.8F[https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQtkPdJJZdG1vGOnzikVZsHzCsTzZ5AMskBbypuw-xg8j9jBJYw8HYz3OY](http://www.google.com/url?url=http://www.clipartpanda.com/categories/weather-thermometer-clip-art-black-and-white&rct=j&frm=1&q=&esrc=s&sa=U&ei=k5WAVODXHI2jyASvzoLwBA&ved=0CBgQ9QEwAQ&sig2=nf6ddCPyLHueQsfKwO3Q9w&usg=AFQjCNFtBJL0Wh1csfgClpHmZW2mwgSHsw) |
|  | HR greater than 90 beats/minute [https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbEwxiS1LYM09XWnqmuuPZz2Sx54NAAk88T2x4DEQqqODlY5AH_flIYFg](http://www.google.com/url?url=http://all-free-download.com/free-vector/broken-heart-clip-art.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=15SAVLOcAYyhyAS7jYEY&ved=0CCQQ9QEwBw&sig2=iKxu-KR49UnPJnuSjCF2TA&usg=AFQjCNGi53ssFfYjsOtF2ORFfVmShDT1_g) |
|  | Respiratory rate greater than 20 breaths/minute [https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSqLjAFafT6QPmGdrfejQwc207F8MF8iX4njMDZTJpliEeBMXCYF2yi8Q](http://www.google.com/url?url=http://www.clker.com/clipart-lungs-1.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=QZWAVPzqIJCuyASPgoGYBw&ved=0CBYQ9QEwAA&sig2=OJM1Tmqq7jSf6xblF3KuUg&usg=AFQjCNEpbYhrlqcFdZsZDbFvOTnuFyrWYQ) |
|  | 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** | |
|  | Respiratory: SAO2 less than 90% OR increasing O2 requirements[https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSqLjAFafT6QPmGdrfejQwc207F8MF8iX4njMDZTJpliEeBMXCYF2yi8Q](http://www.google.com/url?url=http://www.clker.com/clipart-lungs-1.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=QZWAVPzqIJCuyASPgoGYBw&ved=0CBYQ9QEwAA&sig2=OJM1Tmqq7jSf6xblF3KuUg&usg=AFQjCNEpbYhrlqcFdZsZDbFvOTnuFyrWYQ) |
|  | Cardiovascular: SBP less than 90mmHg OR 40mmHg less than baseline[https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbEwxiS1LYM09XWnqmuuPZz2Sx54NAAk88T2x4DEQqqODlY5AH_flIYFg](http://www.google.com/url?url=http://all-free-download.com/free-vector/broken-heart-clip-art.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=15SAVLOcAYyhyAS7jYEY&ved=0CCQQ9QEwBw&sig2=iKxu-KR49UnPJnuSjCF2TA&usg=AFQjCNGi53ssFfYjsOtF2ORFfVmShDT1_g) |
|  | Renal: Urine output less than .5ml/kg over last 8 hours[https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcTIJp4MgRykk-xkBaVDxIrLUN9fyM3p7V1aBJyRMBPhdwQCp1j4PqiFnsA](http://www.google.com/url?url=http://www.illustrationsof.com/1155941-royalty-free-kidney-clipart-illustration&rct=j&frm=1&q=&esrc=s&sa=U&ei=B5aAVLWtFYibyASU54G4Bw&ved=0CBgQ9QEwAQ&sig2=ZyJDO4NHCOs7SP0I-7Eg-w&usg=AFQjCNFmhlQ3lNwux0RtyvEWLbSx_pBSIg)[https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcQctzngMpXKulDsOUNZHOUEbAq2e6gBo8DAHRJBX28KlPOP5_bJOY2vkw](http://www.google.com/url?url=http://www.fotosearch.com/LIF139/nu104002/&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZpaAVPOMGoSuyATOiYL4BA&ved=0CBYQ9QEwADgU&sig2=nLrui5xqfzx-Aq7NpOzImA&usg=AFQjCNHsi3tvO3wAM83yU4KSPd4EuJCvkA) |
|  | CNS: Mental status changes [https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQfLi2CKlu4o8ALE6dX-JwY-agbfyAwSX6jiFTgtWDqMpi5_qkgIOTomZY](http://www.google.com/url?url=http://www.illustrationsof.com/1214808-royalty-free-brain-clipart-illustration&rct=j&frm=1&q=&esrc=s&sa=U&ei=w5aAVLHcFoOUyASMxYH4BQ&ved=0CBwQ9QEwAw&sig2=VtoVthvicx6i32XfbO_Yag&usg=AFQjCNEUANXGEof0519roWjKRuaxRKrWcg) |
| **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)**

[https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcSWWPcJy6nNdOhQG7uMAaf5hwBS-16BQ6WoydODHpt_tH8VvCwQetBeaGo](http://www.google.com/url?url=http://www.clipartpanda.com/categories/eye-clip-art-black-and-white&rct=j&frm=1&q=&esrc=s&sa=U&ei=jJuAVLywOYutyQSj2oLIBw&ved=0CBYQ9QEwAA&sig2=v6HNpYIy9M4nUUGQdbmMiQ&usg=AFQjCNH22N5ltrC5ZJDdtY0gFn5diBWYgA)Skin redness, swelling, discharge, decreased urination

[https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcRdVLbKJjRaoOr-qSqoNUps6K-GywuNXNHQVa196RYL2Cmc5dNFk1FXgZA](http://www.google.com/url?url=http://www.clipartpanda.com/categories/hearing-test-clipart&rct=j&frm=1&q=&esrc=s&sa=U&ei=wJuAVOcPg4vIBL_zgbAM&ved=0CB4Q9QEwBA&sig2=W6sbKD_lYtqdBdDySOqsmw&usg=AFQjCNEMi7oRMQvvvIgWmZ_jBFr8yT-1bw) Complaints of pain, chills and/or breathing

[https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTsiJhoaeAYBnmI33cgUQBJk06ZEAPHsR-b85dTSKxYodI0_hrafAYIDg](http://www.google.com/url?url=http://www.gograph.com/stock-illustration/pointing-hand.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=9JuAVPqUL5esyATWg4CgBA&ved=0CDQQ9QEwDw&sig2=peZPjGtN1AlxlOhbZIUWaw&usg=AFQjCNH9EGmYoytqe_AIRS0rUrN1twmUjQ) Warm wound, fast pulse, hot, cold or clammy skin

[https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcRo0cHTYjyTCDHZvGoBCswpB4unbRdO646w_0554p02FzRwBwgSLmNnJoE_4Q](http://www.google.com/url?url=http://www.dreamstime.com/illustration/nose.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=gJyAVPLiOMP9yQS89ILwBQ&ved=0CCQQ9QEwBw&sig2=-TAlYTW2KiManoR5doIQ4g&usg=AFQjCNHNWNr96iNeW5DVxglQYfJd65gMMA) Odor from wound, urine and/or breath

[https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcSXwzlsPAwsjC_OkQMr6R-2MQUVlo30Fs8IMSenee__0XfWX4dFM2ODn2w-](http://www.google.com/url?url=http://bizlocallistings.com/junytd/mouth-clipart/9&rct=j&frm=1&q=&esrc=s&sa=U&ei=q5yAVPzUD8-OyASdh4CIBQ&ved=0CC4Q9QEwDA&sig2=zSds9uwTqoZ5EpUhCSDBVw&usg=AFQjCNEnAVQleZTYRChdXMe3bMp_gQXK5w) 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