

# SEPSIS HANDOFF

CODE RN: \_\_\_\_\_

EXT: \_\_\_\_\_

ED RN: \_\_\_\_\_

EXT: \_\_\_\_\_

ED MD: \_\_\_\_\_

EXT: \_\_\_\_\_

PATIENT STICKER

TIME ZERO: \_\_\_\_\_

- TIME ZERO IS WHEN PATIENT MEETS **SEVERE SEPSIS** CRITERIA.
- **SEVERE SEPSIS** = 2 SIRS, SUSPECTED/ KNOWN SOURCE OF INFECTION, PLUS ORGAN DYSFUNCTION.

HOUR 1: \_\_\_\_\_

REQUIREMENTS TO BE COMPLETED **WITHIN FIRST HOUR** OF TIME ZERO.

**LABS**

- Blood Cultures x2 drawn and collected in Epic
- POC Lactate drawn and sent to POC
- POC Glucose completed
- Procalcitonin drawn and sent (Or added to previous labs)

**HEMODYNAMIC MONITORING**

- Bring Edwards EV1000 at bedside
- Set up CLEARSIGHT vs. FLOTAC
- Initial Delta SV (PLR or Micro bolus) done and documented

**ANTIBIOTICS**

- Broad Spectrum Antibiotics to be started **Before**: \_\_\_\_\_
  - \* ABX to be administered **within 60 mins** of meeting criteria
  - \* Blood cultures collected **BEFORE** ABX administration.
  - \* If antibiotics are not verified, call Pharmacy to expedite at **18169** (10am-10pm) or **64490** (after 10pm).

**TISSUE PERFUSION**

- ETCO<sub>2</sub> in place and value documented
- Cap Refill done and documented

COMPLETE BY

HOUR 3: \_\_\_\_\_

**LABS**

- POC Lactate drawn and sent to POC
- POC Glucose completed

COMPLETE BY

HOUR 6: \_\_\_\_\_

**LABS**

- POC Lactate drawn and sent to POC
- POC Glucose completed

## FLUID VOLUME STATUS

**IVC, DELTA SV, CAP REFILL - MUST BE DOCUMENTED BEFORE EVERY BOLUS WITHIN THE FIRST 6 HOURS**

END TIME: \_\_\_\_\_

**Bolus #1** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

**Bolus #4** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

**Bolus #2** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

**Bolus #5** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

**Bolus #3** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

**Bolus #6** ordered @ \_\_\_\_\_

- IVC done
- Cap Refill done and documented
- Delta SV (PLR or Micro bolus) done and documented

\* CALL CODE RN ( 18010 / 18011 ) FOR IVC. IF UNAVAILABLE, NOTIFY PROVIDER FOR IVC.

# CORE MEASURES

## BLOOD CULTURES PRIOR TO ABX

- 2 sets of blood cultures have been COLLECTED and DRAWN prior to administration of antibiotics.

## SEPSIS BROAD SPECTRUM ANTIBIOTICS

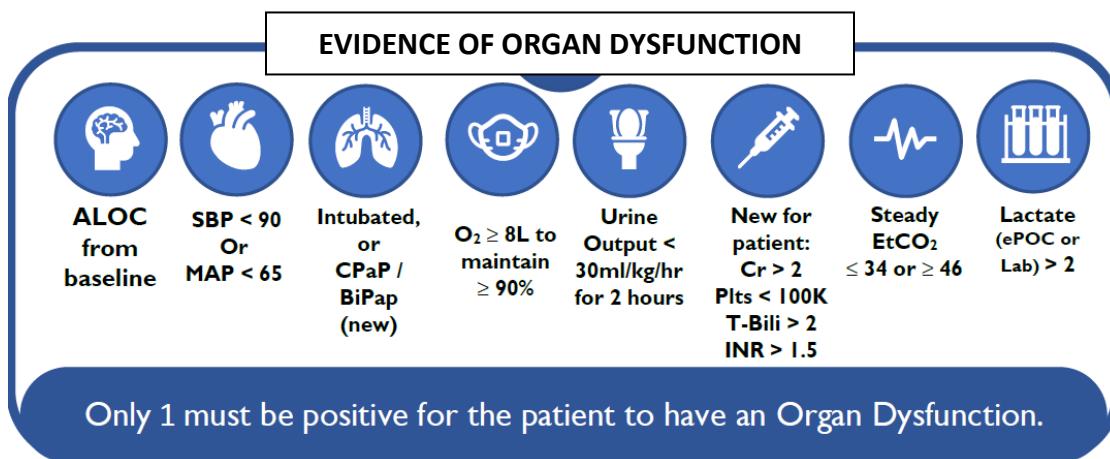
- A broad-spectrum antibiotic needs to be administered WITHIN 60MINS upon patient meeting severe sepsis OR septic shock criteria.

## FLUID VOLUME STATUS MEASURE

- Must be DOCUMENTED before every bolus within the first 6 hours:
  - IVC Collapsibility
  - Delta Stroke Volume or Stroke Volume Variance
  - Cap Refill

## TISSUE PERfusion MEASURE

- Patient received 1 of the following by HOUR 6:
  - Maintain ETCO<sub>2</sub> between 35-45
  - Lactate <2 or decreased by 60%
  - Cap Refill <2
  - ScVO<sub>2</sub> 70-80%



## DEFINITIONS

|  |  |
|--|--|
| Systemic Inflammatory Response Syndrome (SIRS) | Positive for 2 or more: HR > 90, RR > 20, Temp > 38 or < 36, or WBC > 12k or < 4k.   |
| Sepsis   | Patient is positive with SIRS and a suspected or known source of infection.  |
| Severe Sepsis                                  | Patient is positive for Sepsis PLUS evidence of 1 organ dysfunction.   |
| Septic Shock                                   | Patient has lactate > 4 or is hypotensive despite fluids.  |
| Lactate  | The lab measurement of the end product of anaerobic (lack of oxygen) metabolism. It DOES NOT mean the patient is confirmed septic.           |
| Procalcitonin (Procal)                         | The lab value that measures the level of bacterial infection in the blood.   |
| Clearsight                                     | The non-invasive measurement device (finger cuffs) used with the Edwards Hemodynamic Monitor.  |
| Flotrac  | The invasive measurement device (arterial line) used with the Edwards Hemodynamic Monitor.   |
| IVC Collapsibility                             | This is a measurement of how much the Inferior Vena Cava collapses when the patient takes a breath, indicating fluid volume status.          |
| Cardiac Output (CO)                            | The amount of blood the heart pumps within 1 minute.   |
| Stroke Volume (SV)                             | The amount of blood the heart pumps with each beat.  |
| Delta Stroke Volume                            | The difference in stroke volume after a passive leg raise (PLR) or small fluid bolus.  |
| Systemic Vascular Resistance (SVR)             | The resistance the heart must overcome to push blood through the circulatory system and create flow i.e. "vasodilation vs vasoconstriction." |