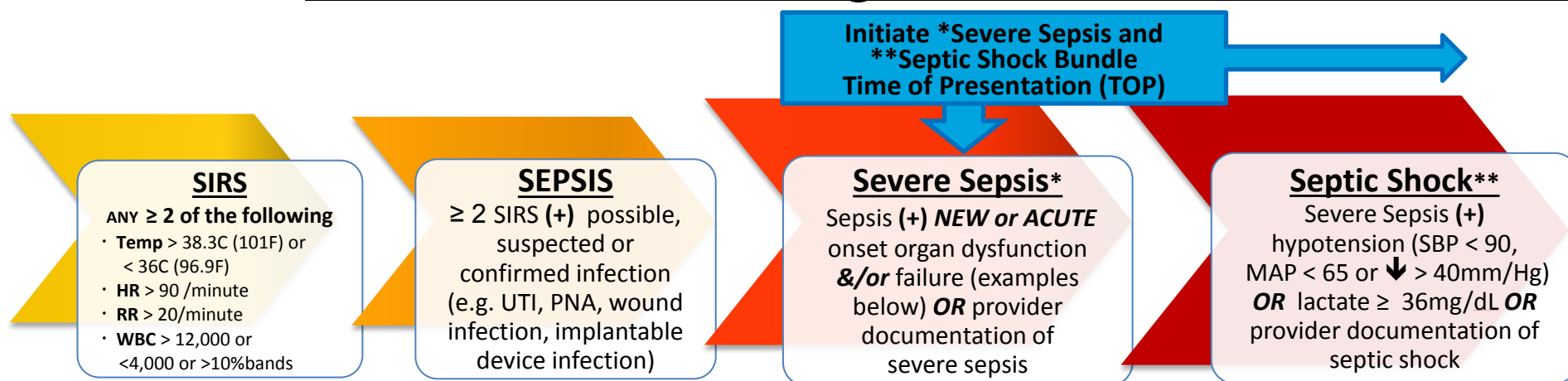


# UCLA Health SEPSIS: Defining a Disease Continuum



\*Initiate Severe Sepsis/Septic Shock: Early Management Bundle as soon as patient meets criteria for Severe Sepsis &/or Septic Shock

## (\*) Severe Sepsis – Implement bundle within 1 hour of TOP

- ✓ Draw Lactate
- ✓ Draw Blood Cultures x 2 sets (4 bottles) **before** abx
- ✓ Administer broad spectrum IV abx

## (\*) Severe Sepsis – Follow-up

- ✓ If initial lactate  $> 18$ , repeat lactate within 3 hours after initial lactate

## (\*\*) Septic Shock – Implement bundle within 1 hour of TOP

**Initiate all elements required for Severe Sepsis plus:**

- ✓ Administer IVF bolus of 0.9% NS or LR 30ml/kg (complete within 3 hours of TOP)
- ✓ If hypotension persists within **1 hour** of completion of IVF bolus, administer **vasopressors** and MD/NP/PA performs **repeat volume and tissue perfusion assessment**.
- ✓ If initial lactate  $\geq 36$ , MD/NP/PA performs **repeat volume and tissue perfusion assessment**.

**For additional details, see Process Map of Severe Sepsis & Septic Shock: Early Management Bundle**

**For Questions or Inquiries Contact:**

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## Organ Dysfunction

**Organ Dysfunction r/t chronic disease or medication does not apply**

- Cardiovascular: Systolic BP  $< 90$  OR MAP  $< 65$  OR decrease by  $> 40$ mmHg from baseline for patient = (+)Septic Shock
- Respiratory: New need for mechanical ventilation or BiPAP
- Renal: Creatinine  $> 2.0$  OR urine output  $< 0.5$ mL/kg/hr for 2 hours
- Hematologic: Platelets  $< 100,000$  OR INR  $> 1.5$  (not on Warfarin) OR aPTT  $> 60$  sec
- Hepatic: Bilirubin  $> 2.0$
- Metabolic: Lactate  $> 18$  mg/dL = (\*)Severe Sepsis  
Lactate  $\geq 36$  = (\*\*)Septic Shock
- Neurologic: Altered mental status OR decrease LOC OR decrease GCS

## Resources

- UCLA Sepsis Website** <http://sepsis.mednet.ucla.edu/pages/>
- Nurses** - use **UCLA Adult Sepsis Nursing Protocol & Sepsis Nursing Lab Panel** in CareConnect to initiate severe sepsis/septic shock bundle for ALL patients  $\geq 18$  yrs. meeting severe sepsis &/or septic shock criteria  
**How to use Lab Panel** - "Manage Orders," Type in "Sepsis," Select "Sepsis Nursing Order Panel," and choose "No co-sign needed"  
**Nurse Driven Protocol** - <http://www.mednet.ucla.edu/Policies/pdf/NursingGuidelines/Sepsis.pdf>
- MD/NP/PA** - use **Adult Sepsis Order Set** in CareConnect for  $\geq 18$  yrs.