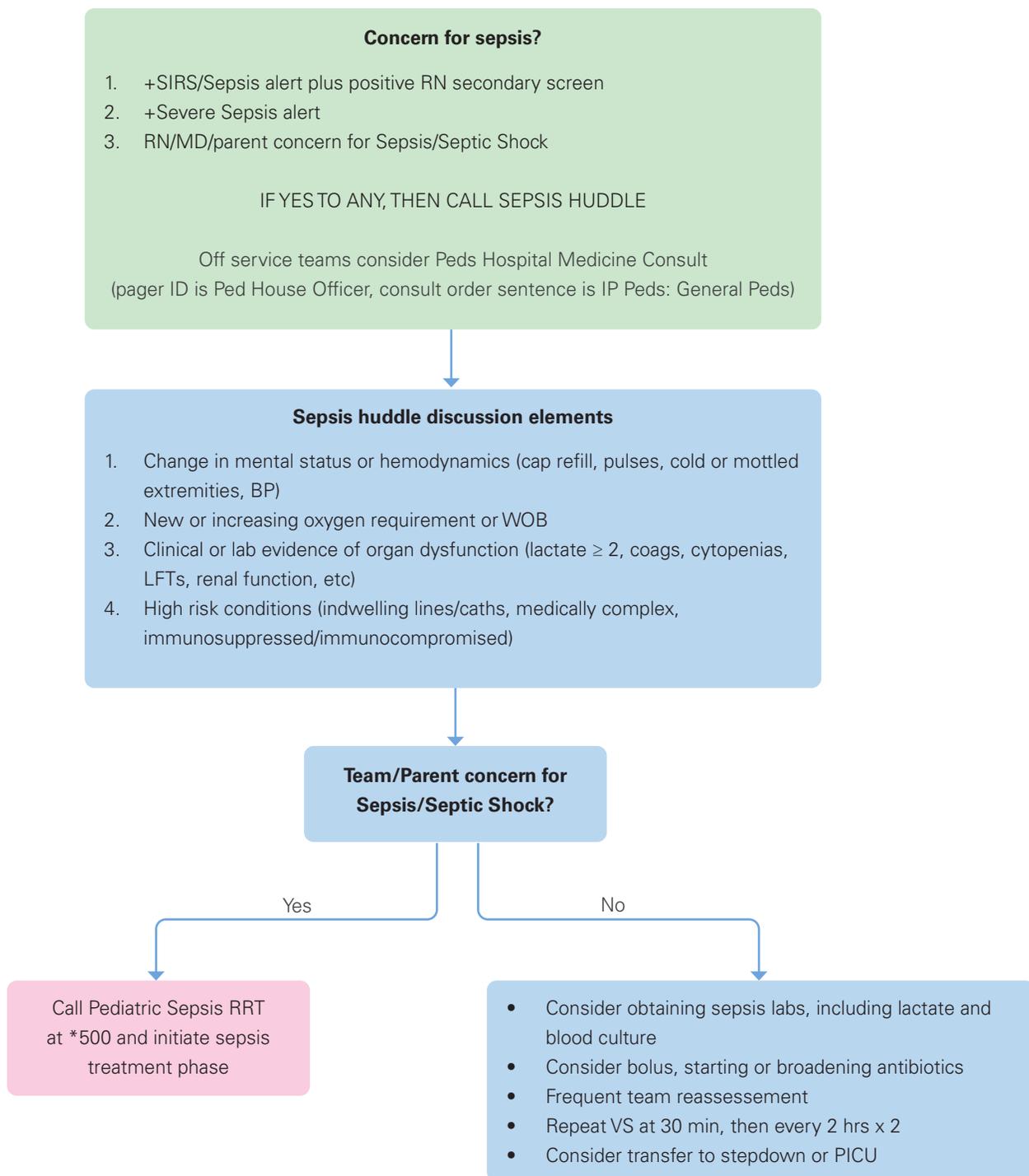


Clinical Guideline

 This guideline should not replace clinical judgment.

Sepsis

Inpatient Pediatrics



Clinical Guideline

Sepsis

 This guideline should not replace clinical judgment.

Inpatient Pediatrics

Sepsis Treatment

Call Pediatric Sepsis RRT at *500

Sepsis:

Suspected severe infection with organ dysfunction (formerly "severe sepsis")

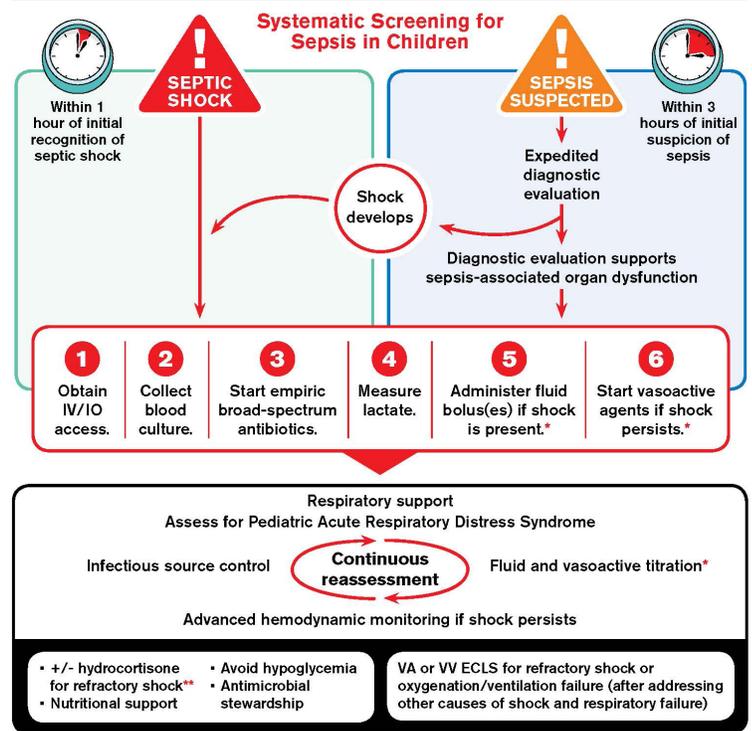
Septic Shock:

Suspected severe infection with cardiovascular dysfunction hypotension, poor perfusion, elevated lactate

- Use IP Pediatrics Sepsis PowerPlan
- Pull first dose antibiotics from pyxis
(Ampicillin, Cefazolin, Cefepime, Ceftriaxone, Clindamycin, Gentamicin, Meropenem, Pip Tazo and Vancomycin available on override)
- Consider IM antibiotics if necessary
- Reassess after each bolus and hold for signs of CHF
- Consider Peds ID consult
- Guidelines allow for 3 hour window from *recognition* for *Sepsis*, however we strive for treatment within one hour for **all** patients

Initial Resuscitation Algorithm for Children

Surviving Sepsis Campaign



<https://www.sccm.org/SurvivingSepsisCampaign/Guidelines/Pediatric-Patients>

PICU Transfer Criteria

- Hemodynamic instability (low BP, delayed cap refill, lactate ≥ 2) unresponsive to fluid resuscitation or frequently recurring instability after a period of recovery
- Altered mental status from baseline
- VS reassessments persistently required more frequently than every 2 hours (does not apply to frequent VS and reassessment during initial 2 hours post huddle, nor for protocols for blood, IVIG, chemo and other related treatments)
- RN/Provider concern that patient is high risk for continued decompensation/concerning trajectory
- Patients with multiple sepsis huddles and/or RRT and/or RRTs with concern for serious underlying illness
- Prolonged difficult IV access causing delay in care
- Prolonged RRT/increase in nursing intensity

Inpatient Sepsis Guideline

Executive Summary

Children's Hospital of Richmond at VCU Inpatient Sepsis Workgroup

Inpatient Pediatrics: Tracy Lowerre, RN, MS, CPN

Pediatric Emergency Medicine: Jonathan Silverman, MD, MPH

Pediatric Critical Care Medicine: Oliver Karam, MD, PhD

Approved (July 2020)

Pediatric Sepsis Committee:

Tracy Lowerre, RN, MS, CPN (co-chair)

Jonathan Silverman MD, MPH (co-chair)

**Director of Inpatient Pediatrics and
Chief of Pediatric Hospital Medicine:**

David Marcello III, MD

Pediatric Clinical Guidelines Committee:

Ashlie Tseng, MD (co-chair)

Jonathan Silverman, MD (co-chair)

Pediatric Quality Committee:

Dory Walczak, MS, RN, NE-BC, CPHQ

Jose Munoz, MD

References

Weiss SL, Peters MJ, Alhazzani W, et al. Surviving Sepsis Campaign International Guidelines for the Management of Septic Shock and Sepsis-Associated Organ Dysfunction in Children. *Pediatr Crit Care Med*. 2020;21(2):e52-e106. doi:10.1097/PCC.0000000000002198

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Weiss SL, Fitzgerald JC, Balamuth F, et al. Delayed antimicrobial therapy increases mortality and organ dysfunction duration in pediatric sepsis. *Crit Care Med*. 2014;42(11):2409-2417. doi:10.1097/CCM.0000000000000509

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Date: **July 2020**

Retrieval website: <http://www.chrichmond.org/clinical-guideline-InpatientSepsis>

Example:

Children's Hospital of Richmond at VCU, Lowerre T, Silverman J, Karam O. Sepsis Guideline. Available from:

<http://www.chrichmond.org/clinical-guideline-InpatientSepsis>