

# Gold Star Resuscitation

**Emergency Department (ED) Course:** A patient without co-morbidities was presented to the ED and required services from the PICU. They were subsequently discharged home with minimal complications.

**Timeline:** The first IV bolus was administered within 20 minutes or less from arrival time. The first IV antibiotic and third IV bolus were both administered within 60 minutes or less from arrival time.

1337 Arrival via EMS "pale and hypotensive"

1340 First 20 ml/kg bolus ordered and given via rapid infusion in less than 5 min

1345 Re-assessment and vitals: T 39.4, HR 140, BP 83/41; POCT obtained

1348 Blood culture/septic lab workup/COVID-19 PCR obtained

1357 Re-assessment and vitals: HR 130, BP 93/75

1358 Second 20 ml/kg bolus started and administered via pressure bag

1403 First ABX given-ceftriaxone (rocephin)

1416 Re-assessment and vitals: HR 133, BP 90/41

1420 Third 20 ml/kg bolus via pressure bag

1427 Second ABX given - vancomycin

1440 Re-assessment and vitals: HR 128, BP 85/43

1445 Fourth 20 ml/kg bolus via pressure bag

1500 Vitals: HR 131, BP 107/52

1511 Vitals: HR 129, BP 96/38

1513 Norepinephrine (levophed) drip started 0.1mcg/kg/min (widening pulse pressures indicate signs of warm shock)

1518 Vitals: HR 125, BP 104/60

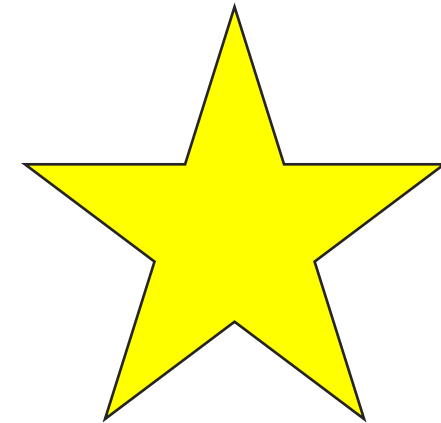
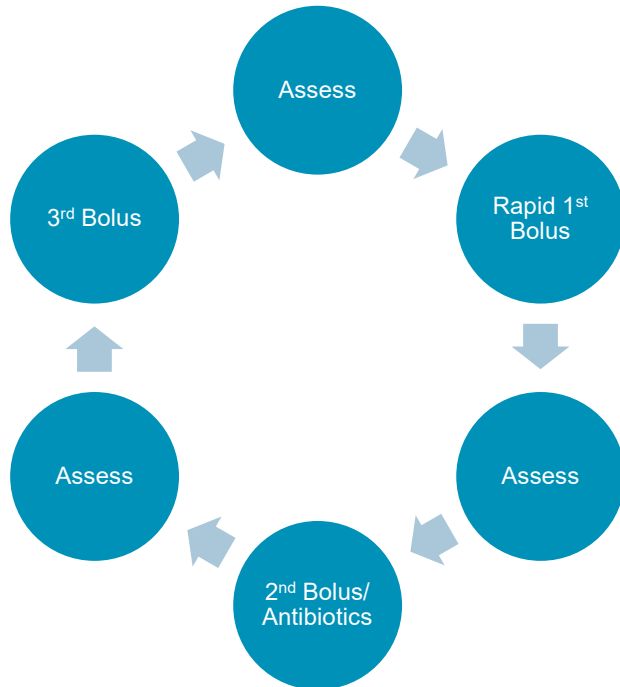
1526 Vitals: HR 120, BP 99/52

1531 Vitals: HR 120, BP 100/45; patient taken for echo

1605 Vitals: HR 117, BP 105/41; patient continues to improve

1640 Patient transferred to PICU with vitals: HR 113, BP 109/38

A great job by the ED and PICU for aggressive management and gold standard implementation of shock resuscitation. These teams saved this child's life!



# Letters

For patients with suspected sepsis, the recommendations are to provide an initial crystalloid bolus within 30 minutes of recognition and initial doses of antibiotics within 60 minutes. For patients with septic shock, the recommendation is to provide three boluses within 60 minutes. We recognize that not every patient with suspected sepsis requires 3 boluses within 60 minutes. The following information is intended to be helpful in your review of this case.

**Patient Name:**

**Account Number:**

**Arrival Date & Time:**

**Chief Complaint:**

**Opportunity:**  Identification/Recognition  Ordering of antibiotics  Ordering and/or number of boluses

Time of order (not administration) for Antibiotics:

*Time between arrival and order:*

*(Antibiotics administration goal = 60 min of time zero)*

Time of order (not administration) for Bolus #1:

*Time between arrival and Bolus #1 order:*

*(Bolus administration goal = 30 min of time zero)*

Time of order (not administration) for Bolus #2:

*Time between time zero and Bolus #2 order:*

Time of order (not administration) for Bolus #3:

*Time between arrival and Bolus #3 order:*

As always, physician partnership is encouraged and valued. Please share any additional suggestions you may have to improve recognition and use of sepsis order set.