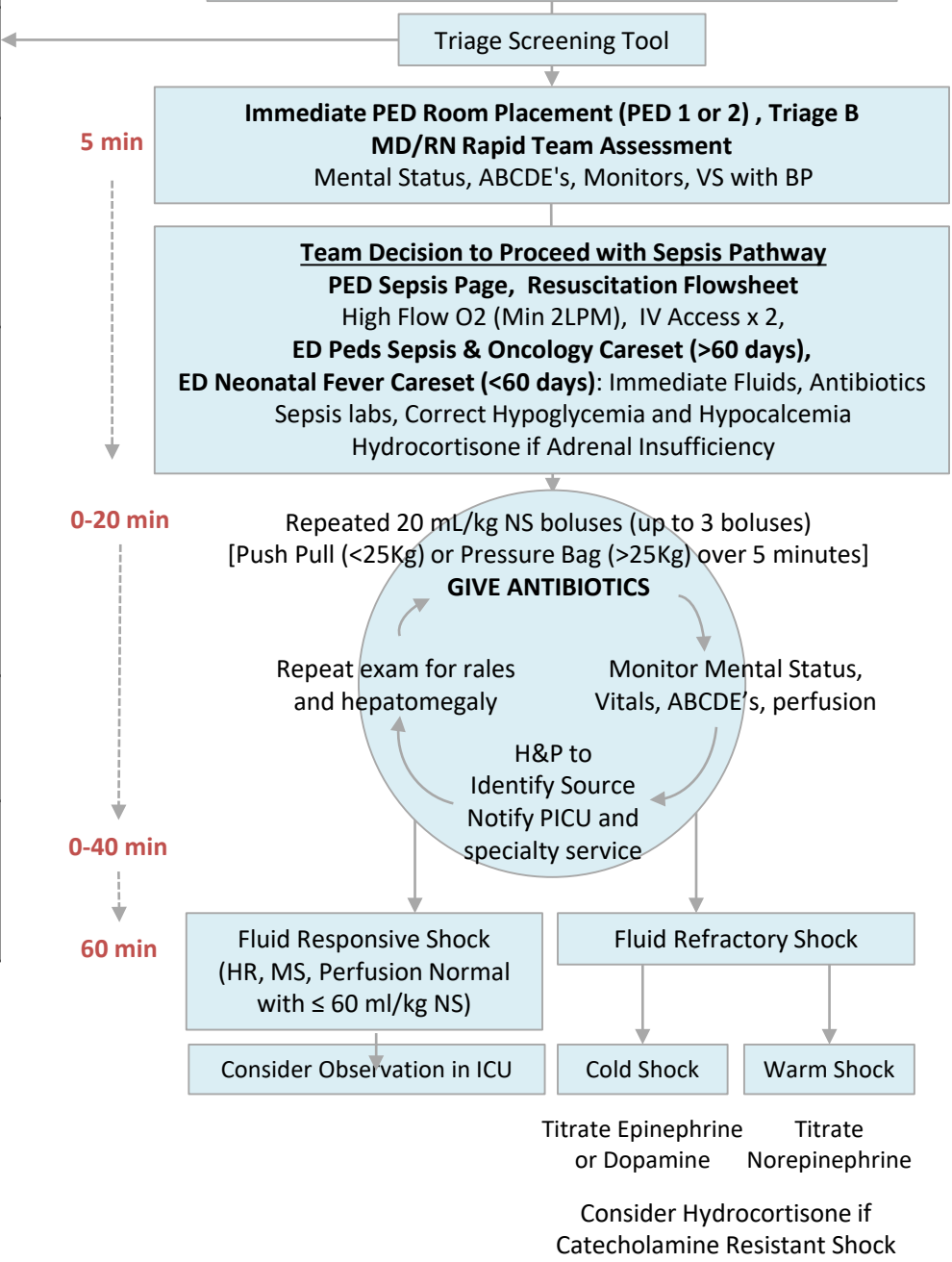


Positive Screen is 3 RED OR 2 RED and 1 BLUE			
Temp	Fever > 38.5°C or < 36°C If < 3 months, fever is > 38 °C In cancer patient, fever is > 38°C		
Heart Rate	<u>Age</u>	<u>Tachycardia</u> or	<u>Bradycardia</u>
	< 1 yr	> 180	< 90
	1 -2 yrs	> 160	< 80
	3 - 5 yrs	> 140	< 65
	6 - 12 yrs	> 130	< 55
	13-18 yrs	> 120	< 50
High Risk Conditions	<u>< 60 days (use ED Neonatal Fever careset (<60 days))</u> <u>Indwelling hardware: Central line, VP Shunt, implant BMT or solid organ transplants</u> <u>Cancer patient (If well appearing, then use Fever & Oncology Pathway)</u> <u>Immunocompromised: Cancer, Asplenia, Adrenal insufficiency, Sickle Cell, or Immunosuppressive therapy</u> <u>Static encephalopathy (CP)</u> <u>Red Flag Rashes: Petechiae, Purpura, or Erythroderma</u> <u>GI: Intestinal Failure, Hirschsprung's, TPN dependent</u>		
Altered Mental Status	Anxiety, restlessness, agitation, irritability, inappropriate crying, drowsiness, confusion, lethargy, obtunded, significant parental concern for AMS		
Impaired Perfusion	Cool extremities, capillary refill > 3 seconds, diminished pulses, mottling or Flushed, warm extremities, bounding pulses, flash capillary refill		

UNMH Pediatric ED Sepsis Pathway



OVERALL GOAL:
Restore normal perfusion

INTERVENTIONS:
Initiate Fluid Resuscitation within 30 minutes
Antibiotics within 60 minutes

ANTIBIOTIC RECOMMENDATIONS

“ED Pediatric Sepsis and Oncology (>60 days) Careset”

<p style="text-align: center;">Healthy Patient, No Central Line (including Skin/Soft Tissue, Bone, Joint Infection)</p>	<p style="text-align: center;">Ceftriaxone Vancomycin</p>
<p style="text-align: center;">Immunocompromised Oncology Patient Immunosuppressive meds Recent hospitalization (> 4 days within 2 months) Chronic medical condition Central line</p>	<p style="text-align: center;">Cefepime Vancomycin</p>
<p style="text-align: center;">Patient with Suspected Intraabdominal Source (including GI and TPN dependent patients)</p>	<p style="text-align: center;">Piperacillin/ Tazobactam Vancomycin</p>

Fluid Responsive Shock

Shock resolves with less 60 ml/kg fluid resuscitation when appropriate

Fluid Refractory Shock

Shock persists with greater than 60 ml/kg fluid resuscitation when appropriate

Warm shock

Flash capillary refill,
bounding peripheral pulses,
wide pulse pressure

Cold shock

Prolonged capillary refill of > 2
seconds, mottled cool extremities,
diminished pulses

Additional Medication Recommended Starting Doses

Hydrocortisone 1mg/kg/dose q6h

Dopamine 5-15 mcg/kg/min for Cold Shock
Epinephrine 0.05-0.3 mcg/kg/min for Cold Shock
Norepinephrine ≥ 0.05 mcg/kg/min for Warm Shock
(mixing instructions on code sheets)

“ED Peds Neonatal Fever (0-60 days) Careset”

≤28 days: Ampicillin + Gentamicin ± Acyclovir
>28 days: Ceftriaxone OR [Ampicillin + Gentamicin]

Immunosuppressive Medications

Azathioprine/Mercaptopurine
Anakinra
Cyclophosphamide
Etanercept
Monoclonal antibodies (e.g. infliximab, vedolizumab, rituximab, adalimumab, etc.)
Mycophenolate mofetil
Oral or SQ methotrexate > 5 mg
Prednisone 2 mg/kg/day or >20 mg daily (> 2 weeks) Tacrolimus/Sirolimus

Penicillin/Cephalosporin Allergy Alternatives

True Penicillin Allergy (non-anaphylaxis):

Replace with Cefepime

True Cephalosporin Allergy:

Replace with Aztreonam

If Anaphylaxis:

Replace with Aztreonam

Cefepime

<10kg: 50mg/kg q8h
10-12kg: 550 mg q8h
13-15kg: 700 mg q8h
16-18kg: 850 mg q8h
19-22kg: 1000 mg q8h
23-27kg: 1250 mg q8h
28-32kg: 1500 mg q8h
33-37kg: 1750 mg q8h
>37kg: 2000 mg q8h

Ceftriaxone

10-12kg: 550 mg q24h
13-15kg: 700 mg q24h
16-18kg: 850 mg q24h
19-22kg: 1000 mg q24h
23-27kg: 1250 mg q24h
28-32kg: 1500 mg q24h
33-37kg: 1750 mg q24h
>37kg: 2000 mg q24h

Zosyn

(Based on Piperacillin Component)

<10kg: 75mg/kg q6h
10-11kg: 750 mg q6h
12-13kg: 900 mg q6h
14-15kg: 1 gram q6h
16-18kg: 1.25 gram q6h
19-21kg: 1.5 gram q6h
22-24kg: 1.75 gram q6h
25-28kg: 2 gram q6h
29-31kg: 2.25 gram q6h
32-35kg: 2.5 gram q6h
36-39kg: 2.75 gram q6h
>40kg: 3.375 gram q6h
OR 4.5 gram q6h

Vancomycin

<13kg: 15mg/kg q6h
13-14kg: 200mg q6h
15-18kg: 250mg q6h
19-21kg: 300mg q6h
22-24kg: 350mg q6h
25-27kg: 400mg q6h
28-30kg: 450mg q6h
31-35kg: 500mg q6h
36-37kg: 550mg q6h
38-45kg: 625mg q8h
46-53kg: 750mg q8h
54-62kg: 875mg q8h
63-74kg: 1000mg q8h
>74kg: 1250mg q8h