## Sepsis AND Septic Shock Pathway: Inpatient Management

Children's



Developed through the efforts of Children's Healthcare of Atlanta and physicians on Children's medical staff in the interest of advancing pediatric healthcare. This is a general guideline and does not represent a professional care standard governing providers' obligation to patients. Ultimately, the patient's physician must determine the most appropriate care. © 2024 Children's Healthcare of Atlanta, Inc.

## **Antibiotic Administration For Sepsis**

- When infusing multiple antibiotics, administer antibiotic in bold first
- Antibiotics should be ordered, delivered to bedside, and administered STAT

Give ALL Medications in Group Unless otherwise specified	Medication	Dose	Max Dose	Interval	
Haddhar Kida a 20 dawa a faran	CefTRIAXone*	75 mg/kg IV	2000 mg	Every 24 hours	
Healthy Kids >29 days of age	Vancomycin	20 mg/kg IV	1000 mg	Pharmacy to Dose (Every 8 hours	
If suspect toxic shock, ADD to CefTRIAXone* and Vancomycin		13 mg /kg IV	900 mg	Every 8 hours	
•If suspect Rocky Mountain Spotted Fever or tick borne disease, ADD to CefTRIAXone* and Vancomycin	Doxycycline	2.2 mg/kg IV or PO	100 mg	Every 12 hours	
•If suspect abdominal pathogen and/or anaerobes, ADD to CefTRIAXone* and Vancomycin		10 mg/kg IV or PO	500 mg	Every 8 hours	
If prior history of ESBL (Extended-Spectrum-Beta- Lactamase Resistant Organisms) ADD with Vancomycin	Meropenem	20 mg/kg IV	1000 mg	Every 8 hours	
Oncology, including BMT	Meropenem	20 mg/kg IV	1000 mg	Every 8 hours	
	Vancomycin	20 mg/kg IV	1000 mg	Pharmacy to Dose (Every 8 hours	
Significant Chronic Medical Conditions: •Sickle Cell Disease •Immunocompromised (excluding Oncology) •Immunosuppressive Meds •Recent Hospitalization	Cefepime	50 mg/kg IV	2000 mg	Every 8 hours	
(>4 days within 2 months) •Central Line	Vancomycin	20 mg/kg IV	1000 mg	Pharmacy to Dose (Every 8 hours	
Neonate ≤ 7 days	Ampicillin	100 mg/kg IV	N/A	Every 8 hours	
	CefTAZidime	50 mg/kg IV	N/A	Every 12 hours	
Neonate > 7 days	Ampicillin	75 mg/kg IV	N/A	Every 6 hours	
	CefTAZidime	50 mg/kg IV	N/A	Every 8 hours	
<ul> <li>If risk factors for Herpes Simplex Virus are present ADD to Ampicillin and CefTAZidime Risk factors:</li> <li>Maternal history of herpes</li> <li>Patient presents with seizures</li> <li>Suspicious skin lesions, including any scalp lesions</li> <li>Elevated ALT (&gt;50)</li> </ul>	Acyclovir	20 mg/kg IV	N/A	Every 8 hours	
• If high suspicion for Staph aureus, <b>ADD to Ampicillin and</b>	Vancomycin	20 mg/kg IV	N/A	Pharmacy to Dose (Every 8 hours	

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Age	Heart Rate	Respiratory Rate	Systolic BP (mmHg)	Diastolic BP (mmHg)	МАР
0 – 6 Months	80 - 180	30 - 55	64 - 96	30 - 62	41 - 73
6 – 12 Months	80 - 150	25 - 40	66 - 107	40 - 66	49 - 80
1 – 2 Years	80 - 140	20 - 30	70 - 110	45 - 70	53 - 83
2 – 3 Years	80 - 140	20 - 30	74 - 115	54 - 70	61 - 85
3 – 4 Years	80 -140	20 - 30	76 - 115	56 - 71	63 - 86
4 -5 Years	70 - 120	18 - 27	78- 115	58 -73	65 -87
5 -6 Years	70 - 120	18 -27	80 - 117	60 - 75	67 -89
6 – 7 Years	70 - 110	14 - 22	82 - 120	62 - 78	69 - 92
7 -8 Years	70 - 110	14 - 22	84 - 120	64 - 80	71 - 93
8 – 9 Years	60 - 110	14 - 22	86 - 120	66 - 81	73 -94
9 – 10 Years	60 - 110	14 - 22	88 - 123	68 - 82	75 -96
10 – 11 Years	60 - 110	14 - 22	90 - 125	70 - 83	77 - 97
11 – 12 Years	60 - 110	14 - 22	92 - 130	72 - 83	79 - 99
12 – 13 Years	60 - 100	12 - 20	94 - 130	74 - 84	81 - 99
13 – 14 Years	60 - 100	12 - 20	96 -135	76 - 85	83 - 102
14 – 16 Years	60 - 100	12 -20	98 - 138	78 - 87	85 - 104
16+ Years	60 - 100	12 - 20	100 - 140	78 - 89	85 - 106

## Suggested Reference Values for Identifying Age-Based Vital Sign Abnormalities

Children's Vital Sign Reference Ranges According to Policy 23.00