

SCOPE: CCT	
<b>MEDICATION:</b>	<b>CEFOTAXIME (Claforan)</b>
<b>INTERVENTION:</b>	<p><u>Classification:</u> Antibiotic, Cephalosporin (Third Generation)</p> <p><u>Actions:</u> Inhibits bacterial cell wall synthesis by binding to one or more of the penicillin-binding proteins (PBPs) which in turn inhibits the final transpeptidation step of peptidoglycan synthesis in bacterial cell walls, thus inhibiting cell wall biosynthesis. Bacteria eventually lyse due to ongoing activity of cell wall autolytic enzymes (autolysins and murein hydrolases) while cell wall assembly is arrested</p> <p><u>Contraindications:</u></p> <ul style="list-style-type: none"> <li>Hypersensitivity to cefotaxime, any component of the formulation, or other cephalosporins</li> </ul> <p><u>Precautions:</u></p> <ul style="list-style-type: none"> <li>Granulocytopenia: Granulocytopenia and more rarely agranulocytosis may develop during prolonged treatment (&gt;10 days)</li> <li>Tissue inflammation: Minimize tissue inflammation by changing infusion sites when needed</li> </ul> <p><u>Concentration:</u> Up to 500 mg in 5 mL; Inject 5 mL of NS into vial of Cefotaxime and gently agitate</p> <p><u>Dosage:</u></p> <ol style="list-style-type: none"> <li>I. <u>Neonatal Sepsis:</u> <ol style="list-style-type: none"> <li>a. Neonatal:           <ol style="list-style-type: none"> <li>i. IV/IO: 50mg/kg IV</li> </ol> </li> </ol> </li> </ol> <p><u>Onset of Action:</u></p> <ul style="list-style-type: none"> <li>Infants ≤1500 g: 4.6 hours; Infants &gt;1500 g: 3.4 hours; Children: 1.5 hours</li> </ul> <p><u>Duration:</u> Half-life elimination 3.4-4.6 hours</p> <p><u>Adverse Effects:</u> Dermatologic: Pruritus (≤2%), skin rash (≤2%), gastrointestinal: Colitis (≤1%), diarrhea (≤1%), nausea (≤1%), vomiting (≤1%)</p> <p><u>Special Considerations:</u></p> <ol style="list-style-type: none"> <li>I. N/A</li> </ol>

If this is a patient care policy, the information contained herein is used to provide guidance in the care of patients, but should not, and does not replace or preclude the use of clinical judgment.

<i>FOR OFFICE USE ONLY</i>		
Originator:		Original Date:
Revised Date:		
Effective Date:	06/01/18	Page 1 of 1