

ASTHMA PATHWAY

Dosing Guidelines for Medications

Severity Level and Medication	<10kg	>10kg						
Mild Albuterol Dexamethasone OR convert to Prednisone/Prednisolone	4 puffs q4h + 2 puffs q4h PRN *Reduce patient to 2-4 puffs prior to discharge	8 puffs q4h + 4 puffs q4h PRN						
Moderate Albuterol Dexamethasone OR convert to Prednisone/Prednisolone	4 puffs q2h + 2 puffs q1h PRN 0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours 2mg/kg once (max 60mg) followed by 1mg/kg BID (max 60mg/day) for 3-5 days	8 puffs q2h + 4 puffs q1h PRN 0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours 2mg/kg once (max 60mg) followed by 1mg/kg BID (max 60mg/day) for 3-5 days						
Severe Continuous Albuterol Dexamethasone OR convert to Prednisone/Prednisolone	0.5 - 1mg/kg/hr (Med-Surg max 20mg/hr) *Round to nearest 5mg/hr 0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours 2mg/kg once (max 60mg) followed by 1mg/kg BID (max 60mg/day) for 3-5 days							
Initial Treatment ED only Combination Nebulizer: Albuterol + Ipratropium Bromide	2.5mg x 3 = 7.5mg + 500mcg	5mg x 3 = 15mg + 1000mcg						
Escalation Therapies Normal Saline Bolus + Magnesium Sulfate Terbutaline (ED only) Epinephrine (ED only) Methylprednisolone Ipratropium Bromide (IP only)	20mL/kg IV (max 1L) 50mg/kg IV (max 2g/dose) 10mcg/kg subcutaneous (max 250mcg) 0.01mg/kg IM (max 0.5mg/dose) 1mg/kg q6h IV (max 60mg/dose) 250mcg (2.5mL) neb q6h (for 24 hours) 500mcg (5mL) neb q6h (for 24 hours)							
Asthma Action Plan Albuterol	<table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%; vertical-align: top;">2 puffs q4h PRN</td> <td style="width: 33%; vertical-align: top;"> <u>Yellow Zone</u> <u>Red Zone</u> </td> <td style="width: 33%; vertical-align: top;">4 puffs q4h PRN</td> </tr> <tr> <td style="vertical-align: top;">4 puffs q20min PRN up to 3</td> <td></td> <td style="vertical-align: top;">8 puffs q20min PRN up to 3</td> </tr> </table>		2 puffs q4h PRN	<u>Yellow Zone</u> <u>Red Zone</u>	4 puffs q4h PRN	4 puffs q20min PRN up to 3		8 puffs q20min PRN up to 3
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