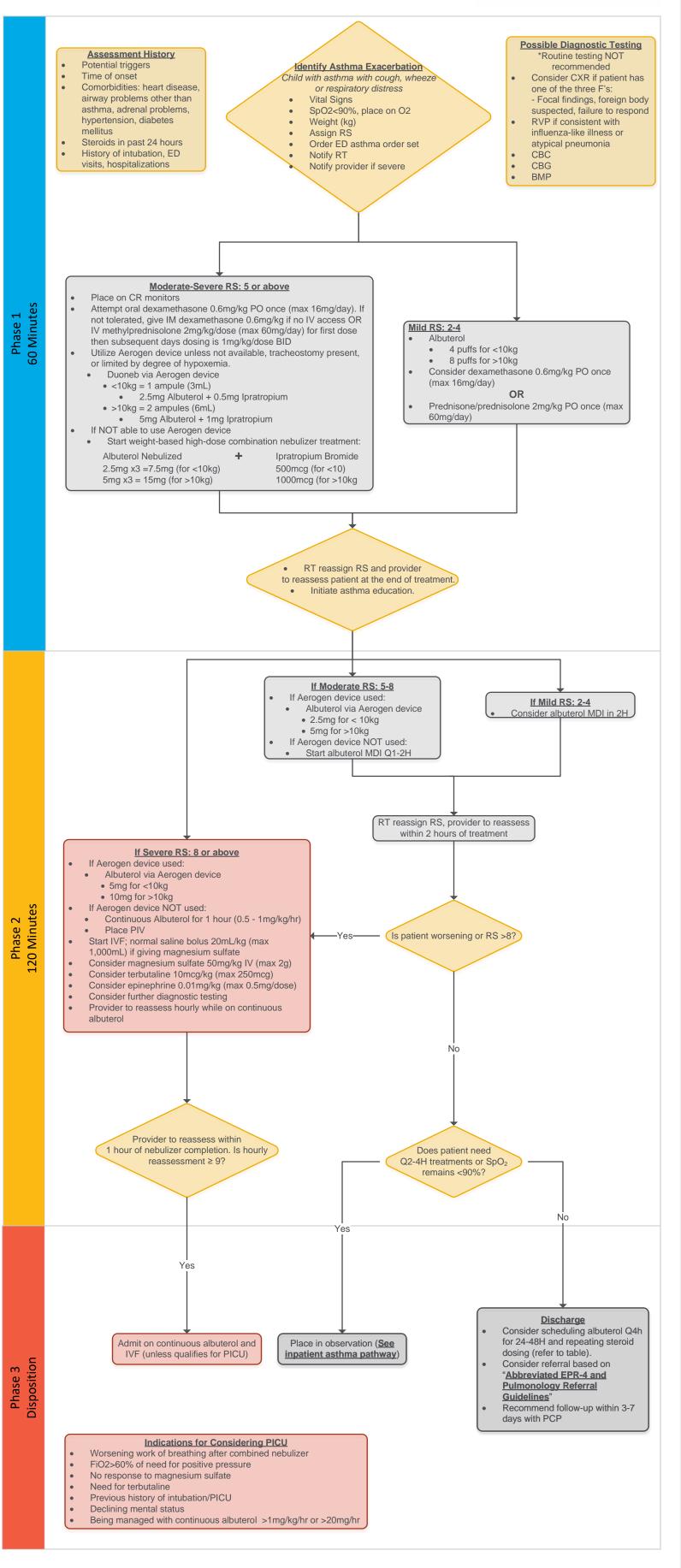
ASTHMA PATHWAY EMERGENCY DEPARTMENT







Disclaimer: Pathways are intended as a guide for practitioners and do not indicate an exclusive course of treatment nor serve as a standard of medical care. These pathways should be adapted by medical providers, when indicated, based on their professional judgement and taking into account individual patient and family circumstances.

ASTHMA PATHWAY Dosing Guidelines for Medications



Severity Level and Medication	<10kg	>10kg
Mild		
Albuterol	4 puffs q4h	8 puffs q4h
	2 puffs q4h PRN	4 puffs q4h PRN
	*Reduce patient to 2-4 puffs prior to discharge	
Dexamethasone	0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours	
OR convert to		
Prednisone/Prednisolone	2mg/kg once (max 60mg) follow ed by 1mg/kg BID (max 60mg/day) for 3-5 days	
Moderate		
Albuterol	4 puffs q2h	8 puffs q2h
	+	
	2 puffs q1h PRN	4 puffs q1h PRN
Dexamethasone	0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours	
OR convert to Prednisone/Prednisolone	2mg/kg once (max 60mg) follow ed by 1mg/kg BlD (max 60mg/day) for 3-5 days	
Severe	Zing/kg once (max oung) rollow ed by T	nig/ng שום (max ounig/uay) וטו איס ממער (max ounig/uay) וטו איס מעריק מעריק מעריק מעריק מעריק מעריק מעריק מעריק
Continuous Albuterol	0.5 - 1mg/kg/hr (Med-Surg max 20mg/hr)	
	*Round to nearest 5mg/hr	
Dexamethasone	0.6mg/kg PO daily x1 (max 16mg/dose), optional 2nd dose in 24-48 hours	
OR convert to	2mg/kg once (max 60mg) follow ed by 1mg/kg BlD (max 60mg/day) for 3-5 days	
Prednisone/Prednisolone nitial Treatment ED only	2mg/kg once (max borng) rollow ed by r	ng/kg BiD (max 60mg/day) for 3-3 days
Combination Nebulizer:		
Albuterol	2.5mg x 3 = 7.5mg	5mg x 3 = 15mg
+		+
lpratropium Bromide	500mcg	1000mcg
Escalation Therapies		
Normal Saline Bolus	20mL/kg IV (max 1L)	
+		
Magnesium Sulfate	50mg/kg IV (max 2g/dose)	
Terbutaline (ED only)	10mcg/kg subcutaneous (max 250mcg)	
	i vincy/ky subcutaneous (nex 250ncy)	
Epinephrine (ED only)	0.01mg/kg IM (max 0.5mg/dose)	
Methylprednisolone	1mg/kg q6h IV (max 60mg/dose)	
lpratropium Bromide (IP only)	250mcg (2.5mL) neb q6h (for 24 hours)	500mcg (5mL) neb q6h (for 24 hours)
Asthma Action Plan		
Albuterol	<u>Yellow</u>	
	2 puffs q4h PRN	4 puffs q4h PRN
	Red	Zone



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