

Pediatric Management of Respiratory Emergencies Flowchart

General Management for All Patients		
<ul style="list-style-type: none"> • Get help • Support airway (positioning, suctioning, manual maneuvers, OPA) • Assist ventilation if needed • Give oxygen • Monitor respiratory rate and effort, oxygen saturation by pulse oximetry, heart rate, level of consciousness • Give medications (eg, albuterol/ipratropium, nebulized epinephrine) as needed • Perform frequent reassessments 		
Upper Airway Obstruction Specific Management for Selected Conditions		
Croup	Anaphylaxis	Foreign-Body Airway Obstruction (FBAO)
<ul style="list-style-type: none"> • Nebulized epinephrine • Consider corticosteroids 	<ul style="list-style-type: none"> • Epinephrine by autoinjector • Nebulized albuterol (or MDI with spacer) PRN • 20 mL/kg NS/LR bolus PRN for hypotension 	<ul style="list-style-type: none"> • Follow steps for relief of FBAO • Remove foreign body if seen
Lower Airway Obstruction Specific Management for Selected Conditions		
Bronchiolitis	Asthma	
<ul style="list-style-type: none"> • Consider nebulized epinephrine or albuterol 	<ul style="list-style-type: none"> • Nebulized albuterol-ipratropium (or MDI with spacer) • Consider corticosteroids 	
Lung Tissue Disease Specific Management for Infectious Pneumonia		
Pneumonia		
<ul style="list-style-type: none"> • Give first dose of antibiotic (for infectious pneumonia) • Nebulized albuterol-ipratropium (or MDI with spacer) PRN • Treat fever 		
Disordered Control of Breathing Specific Management for Selected Conditions		
Increased ICP	Poisoning/Overdose	Neuromuscular Disease
<ul style="list-style-type: none"> • Elevate head of bed; keep patient's head in midline • Treat fever • Assist ventilation 	<ul style="list-style-type: none"> • Assist ventilation • Contact poison control • Naloxone by autoinjector for opioid overdose 	<ul style="list-style-type: none"> • Assist ventilation • Suction as needed

(continued)

Oxygen Delivery Devices		
Delivery System	Inspired Oxygen Concentration (%)	Flow Rate (L/min)
Low-Flow System		
Nasal cannula (low flow)	22-60	0.25-4
Simple oxygen mask	35-60	6-10
High-Flow System		
Nonrebreathing mask with reservoir	95	10-15

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