

Croup Syndromes

	Acute Epiglottitis (Supraglottitis)	Acute Laryngotracheobronchitis (LTB)	Acute Spasmodic Laryngitis (Spasmodic Croup)	Acute Tracheitis
Age	2-5 but varies	Infant or child younger than 5	1-3 y/o	1 month – 6 y/o
Etiologic Agent	Bacterial	Viral	Viral w/ allergic component	Viral w/ bacterial or allergic component
Onset	Rapid	Slowly progressive	Sudden at night	Moderately progressive
Major Symptoms	Rapidly progressive dysphagia, stridor, aggravated when supine. Drooling High fever Toxic appearance Rapid pulse and respirations	URI Stridor, brassy cough Hoarseness Dyspnea Restlessness Irritability Low graded fever Nontoxic appearance	URI Croupy cough, stridor Hoarseness Dyspnea Restlessness Symptoms waking child but disappearing during day Tend to reoccur	URI Croupy cough Purulent secretions High fever No response to BTB therapy
Treatment	Airway protection -> possible intubation Humidified O2 Corticosteroids Fluids Abx Reassurance	Humidified mist prn Corticosteroids Fluids Reassurance Nebulized epinephrine (short term improvement) Heliox: moderate to severe	Cool mist Reassurance	Fluids Abx