

Croup Syndromes

	Acute Epiglottitis (Supraglottitis)	Acute Laryngotracheobronchitis (LTB)	Acute Spasmodic Laryngitis (Spasmodic Croup)	Acute Tracheitis
Age	2-5 years old	Infant or children younger than 5 years old	1-3 years old	1 month-6 years old
Etiologic Agent	H. influenzae (bacterial)	Parainfluenza virus 1,2 and 3 (viral)	Viral with allergic component	Viral or bacterial
Onset	Rapidly progressive	Slowly progressive	Sudden; at night	Moderately progressive
Major Symptoms	Dysphagia Stridor aggravated when supine Drooling High fever Toxic appearance Rapid pulse and respirations Thick and muffled voice Froglike croaking on inspiration	URI Stridor Brassy cough Hoarseness Dyspnea Restlessness Irritability Low-grade fever	URI Croupy cough Stridor Hoarseness Dyspnea Restlessness Symptoms awakening child but disappear during the day Tendency to recur	URI Croupy cough Purulent secretions High fever No response to LTB therapy
Treatment	Airway protection, possible intubation, tracheotomy Humidified oxygen Corticosteroids Fluids Antibiotics	Humidified mist Corticosteroids Fluids Nebulized epinephrine Heliox	Cool mist	Antibiotics Fluids