

Croup Syndromes

	Acute Epiglottitis (Supraglottitis)	Acute Laryngotracheobronchitis (LTB)	Acute Spasmodic Laryngitis (Spasmodic Croup)	Acute Tracheitis
Age	2-5 years old but varies	Infant or child less than 5	1-3 years old	1 month to 6
Etiologic Agent	Bacterial	viral	Viral with allergic component	Viral or bacterial with allergic component
Onset	Rapid progressive	Slowly progressive	Sudden at night	Moderately progressive
Major Symptoms	Dysphagia, stridor when supine, drooling, high fever, toxic appearance, rapid pulse and RR	URI, stridor, brassy cough, hoarseness, irritability, dyspnea, restlessness, low grade fever, nontoxic appearance	URI, croupy cough, stridor, hoarseness, dyspnea, restlessness, symptoms awakening child but disappear at day, tendency to reoccur	URI, croupy cough, purulent secretions, high fever, no response to LTB therapy
Treatment	Airway protection, possible intubation, tracheotomy, humidified O ₂ , corticosteroids, fluids, abx, reassurance	Humidified mist if needed, corticosteroids, fluids, reassurance, neb epi for short term improvement, Heliox	Cool mist, reassurance	Abx, fluids