

Croup Syndromes

| | Acute Epiglottitis (Supraglottitis) | Acute Laryngotracheobronchitis (LTB) | Acute Spasmodic Laryngitis (Spasmodic Croup) | Acute Tracheitis |
|-----------------|--|---|--|---|
| Age | 2-7 years | 6 months- 3 years | 1-3 years | 3-8 years |
| Etiologic Agent | Bacterial (H-Influenzae) | Viral causative agent most often, bacteria rare | Viral | Viral or bacterial cause, Staph usual cause |
| Onset | Abrupt | Gradual | Twilight croup (sudden at night) | Moderately progressive |
| Major Symptoms | irritable, restless, anxious, drooling, tripod position, drooling, stridor, croaking sound, very sick! | URI, <u>low grade fever</u> , inspiratory stridor, cough (Brassy-Barky), hoarseness | Goes to bed with mild cough, URI s/s: Awakes at night with worse symptoms barking cough, hoarseness, restless, no fever generally then next day OK | URI, croupy cough, <u>high fever</u> , purulent secretions |
| Treatment | TX: Protect airway, O2, Cool mist humidified air, Steroids, Antibiotics | <u>Cool mist humidifier</u> , racemic epi for severe cases, corticosteroids | Cool mist humidifier, cool air outside | humidified o2, usually will need to be intubated, antibiotics |