

Croup Syndromes

	Acute Epiglottitis (Supraglottitis)	Acute Laryngotracheobronchitis (LTB)	Acute Spasmodic Laryngitis (Spasmodic Croup)	Acute Tracheitis
Age	2yrs-5yrs but can vary	6 months – 5 years	1-3 yrs	1 month – 6 years but can vary
Etiologic Agent	Bacterial , usually <i>H influenzae</i>	Viral commonly causes Bacterial is rare	Viral with allergic component	Viral or Bacterial, usually <i>S. aureus</i> can also have allergic component
Onset	Rapidly progressive Sudden onset, abrupt Medical Emergency!	Slowly progressive Most common croup syndrome	Sudden; at night: often recurrent “Twilight Croup”	Moderately progressive
Major Symptoms	<i>Inflammation of the epiglottis causing obstruction of airway.</i> High fever Sore throat Dysphagia Drooling Tripod position Croaking frog like sound on inspiration Stridor Toxic- Look BAD! Throat cherry red color Epiglottis cherry red & swollen Irritable/Restless/Anxious	<i>Inflammation of larynx & trachea.</i> URI s/s Stridor- inspiratory Croupy barky cough Hoarseness Dyspnea Restlessness Irritability Low-grade fever Nontoxic appearance Usually went to bed fine, wakes up with the cough later	<i>Recurrent attacks of laryngeal obstruction.</i> URI s/s No fever Croupy barky cough Stridor Hoarseness Dyspnea Restlessness Symptoms awaken child Symptoms decrease/absent during day Tends to recur	<i>Infection of upper trachea causing airway obstruction.</i> Hx recent URI Croupy barky cough Stridor Purulent tracheal secretions High fever Complication to LTB No response to LTB tx
Treatment	Humidified O2 Antibiotics <ul style="list-style-type: none"> • Ceftriaxone or Cephalosporins Maintain airway <ul style="list-style-type: none"> • Endotracheal Intubation/Tracheostomy Keep child calm Corticosteroids ICU Admission Act quick Prepare to intubate Fluids	Humidity- cool mist Cool night air may relieve symptoms Racemic Epinephrine- severe cases Maintain airway Keep parent present Steroids Fluids	Humidity- in bathroom with hot shower running or walk outside in cool air Tends to reoccur for a few nights	Antibiotics Humidified O2 Antipyretics Usually intubated Prevent airway obstruction Fluids