

GERD-RELATED

RESPIRATORY PROBLEMS

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Typical Reflux Syndrome

- **Retrosternal burning (heartburn)**
 - **Regurgitation (perception of flow of refluxed gastric content into the mouth, hypopharynx)**
 - **Epigastric pain, dyspepsia**
 - **Sleep disturbance**
 - **Vomiting**
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Extraesophageal Manifestations

Respiratory

Asthma

Interstitial fibrosis

Chronic cough

Bronchiectasis

Pneumonia

Hemoptysis

Chronic bronchitis

Atelectasis

Apnea / ALTE

COPD

OSA

Extraesophageal Manifestations

ENT

Laryngitis

Vocal cord nodule

Sore or burning throat

Laryngeal ulcer

Throat clearing

Laryngeal cancer

Globus pharyngeus

Subglottic stenosis

Hoarseness/dysphonia

Dysphagia

Stridor/laryngospasm

Sinusitis

Granuloma/polyps

Otitis media/otalgia

Extraesophageal Manifestations

Cardiac

Chest pain

Sinus arrhythmia

Others

Dental erosion

Halitosis

Seizure related to hypoxia
