

# Hemoptysis, Hemoptoe, differential diagnosis and first aid / PGS (VPL)

## Definition

**Hemoptysis:** Coughing of light red blood *coming from the throat, tracheobronchial trunk or alveoli*.

**Hemoptoe:** Designation for **massive** hemoptysis.

Distinguish from **hematemesis**, which is the vomiting of clotted dark red blood from the stomach, when bleeding *in the stomach or esophagus*.

## Etiology

### Tumor:

- bronchogenic carcinoma (most common);
- bronchial adenoma (rare);

### Inflammation;

- TBC;
- bronchitis;
- pneumonia;
- bronchiectasis;
- lung abscess;

### Hemodynamics;

- pulmonary infarction;
- pulmonary edema;
- mitral stenosis;

### Hemorrhagic diathesis; Bleeding from the ENT area;

- nose bleeding;
- in tumor in the ENT area;

### Rare causes;

- iatrogenic – anticoagulants, thrombolytic therapy, puncture (percutaneous liver biopsy, thoracic root block), biopsy (after bronchoscopy);
- vascular disease - arteriovenous fistula (AV fistula), Osler's disease (hereditary hemorrhagic telangiectasia), thoracic aortic aneurysm;
- restrictive lung disease - cracks in the lung parenchyma with its wrinkling, leading to pneumothorax and hemoptysis;
- systemic diseases - Goodpasture syndrome (acute pulmonary-renal syndrome, where 80% of patients are men under 30 years of age patients with glomerulonephritis), polyarteritis nodosa, Wegener's granulomatosis, idiopathic pulmonary hemosiderosis, SLE (systemic lupus erythematosus).

## Diagnostics

Corresponds to the suspicion and severity of the clinical condition.

- Dispatch *'for immediate hospitalization' 'to the pulmonary or internal medicine department for diagnosis and therapy*.
- Sending a *'to a specialist' 'to a pulmonologist or internist for an X-ray chest and bronchoscopy*.

## Links

## Literature

- GESENHUES, S – ZIESCHÉ, R. *Vademecum lékaře*. 1. české edition. Praha : Galén, 2006. ISBN 80-7262-444-X.