



## Often Stains with Mucin

### Mucous

Adenocarcinoma tends to stain mucin positive since it is derived from the mucus producing glands of the lung.

## Clinical Features

### Presents with Hemoptysis

#### Red-mop coughing blood

Hemoptysis is the coughing up of blood or blood-tinged sputum from the lungs, bronchi, trachea or larynx. Hemoptysis can be a symptom of cancer, bronchiectasis, and pulmonary embolism or infections such as pneumonia, tuberculosis or bronchitis.

### Clubbing

#### Club causing Clubbing

Digital clubbing is a deformity characterized by increased distal finger tip mass and increased nail plate curvature. The Lovibond angle, the angle between the nail plate and the proximal nail fold when viewed for the side is greater than 180 degrees in clubbed nails, compared to 160 degrees in normal nails. There are many causes of clubbing, including pulmonary diseases.

## Treatment

### Surgical Resection

#### Surgeon

Non-small cell lung cancers that present early in the disease process are generally treated upfront with surgical resection. Patients with metastatic disease outside of the chest are not candidates for surgical resection. Even with a complete resection, recurrence is still possible.

### Chemotherapy and Radiation

#### Chemo-head-wrap and Radiation-radio

For patients who present early in the disease process, radiation therapy is an important adjunct to surgery. For patients who present in later stages, radiation and chemotherapy are the mainstays of treatment.