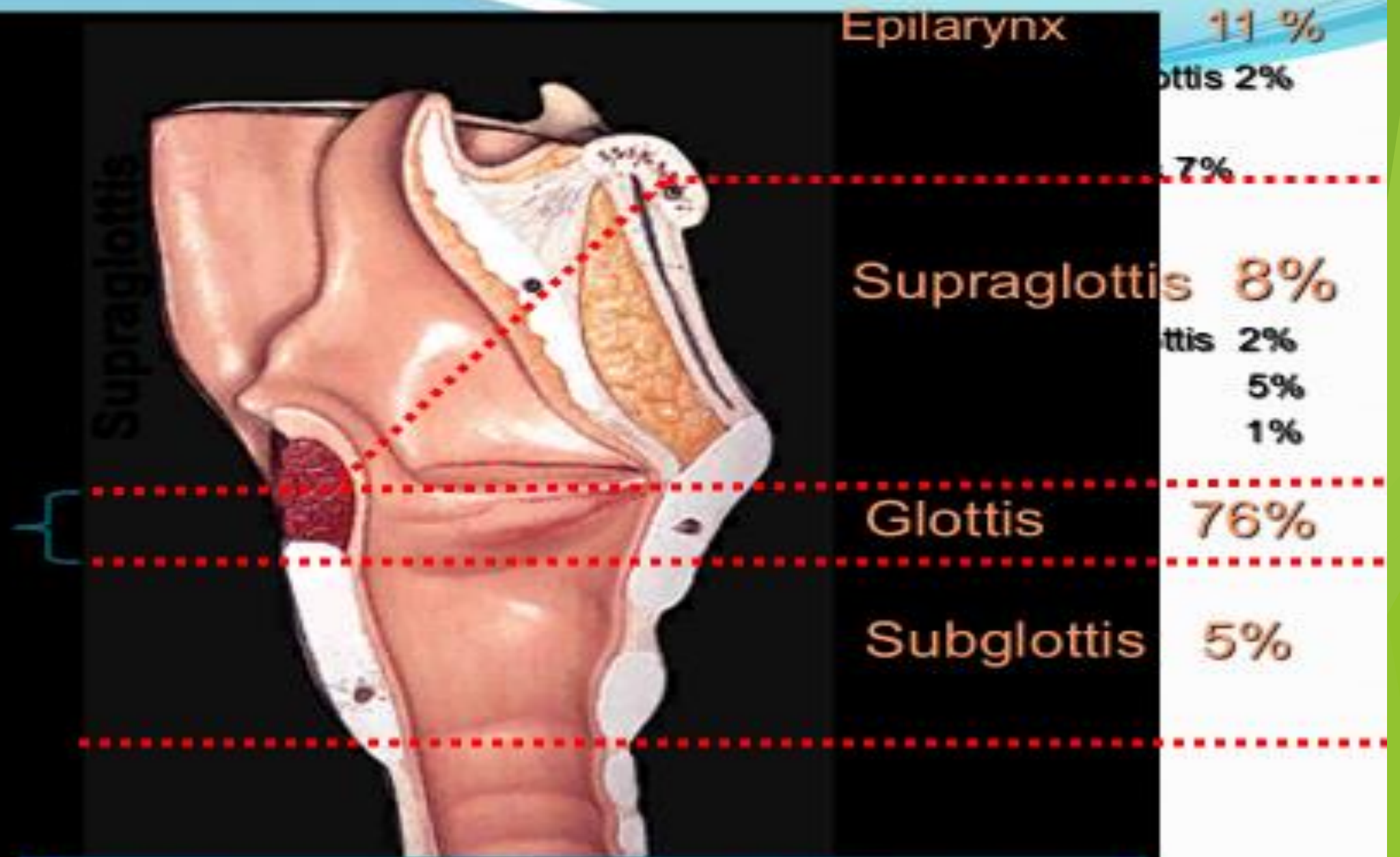


# *Malignant Lesions of the Larynx*

# Risk factors

Smoking

Alcohol



UICC classification of Ca larynx

# Diagnosis

- ▶ Dysphagia
- ▶ Vocal changes
- ▶ Aspiration
- ▶ Otalgia
- ▶ Blood-tinged sputum
- ▶ Neck mass
- ▶ Cachexia
- ▶ Dyspnea
- ▶ Pain
- ▶ Halitosis

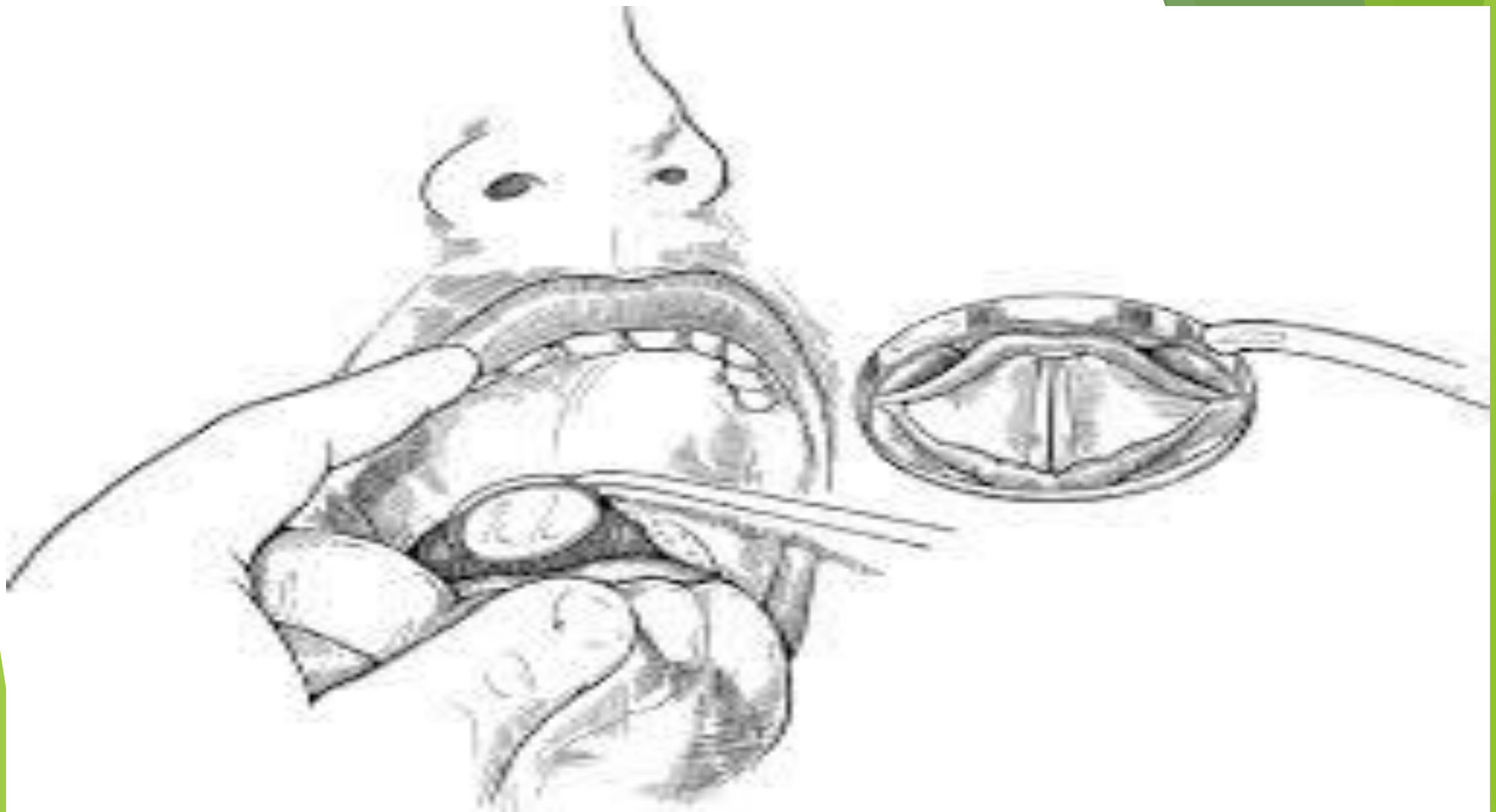
- ▶ Hemoptysis> supraglottic tumors
- ▶ Dysphonia> TVC/glottic lesions
- ▶ Airway Obstruction> insidious subglottic tumors
- ▶ Aspiration> supraglottic (also with incompetent glottis)
- ▶ Otalgia> supraglottic (infiltration of musculature)
- ▶ Dysphagia: any location, muscle, sensory, motor, joint

# HISTOLOGY

- ▶ >95% SCC
- ▶ Variations :
  - ▶ verrucous carcinoma, spindle cell carcinoma, basaloid SCC, and papillary SCC
- ▶ Other types of carcinoma:
  - ▶ neuroendocrine carcinoma
  - ▶ lymphoepitheliomatous carcinoma
  - ▶ adenocarcinoma
  - ▶ others (sarcomas, lymphomas)
  - ▶ adenoid cystic (trachea more than subglott)

## Indirect laryngoscopy





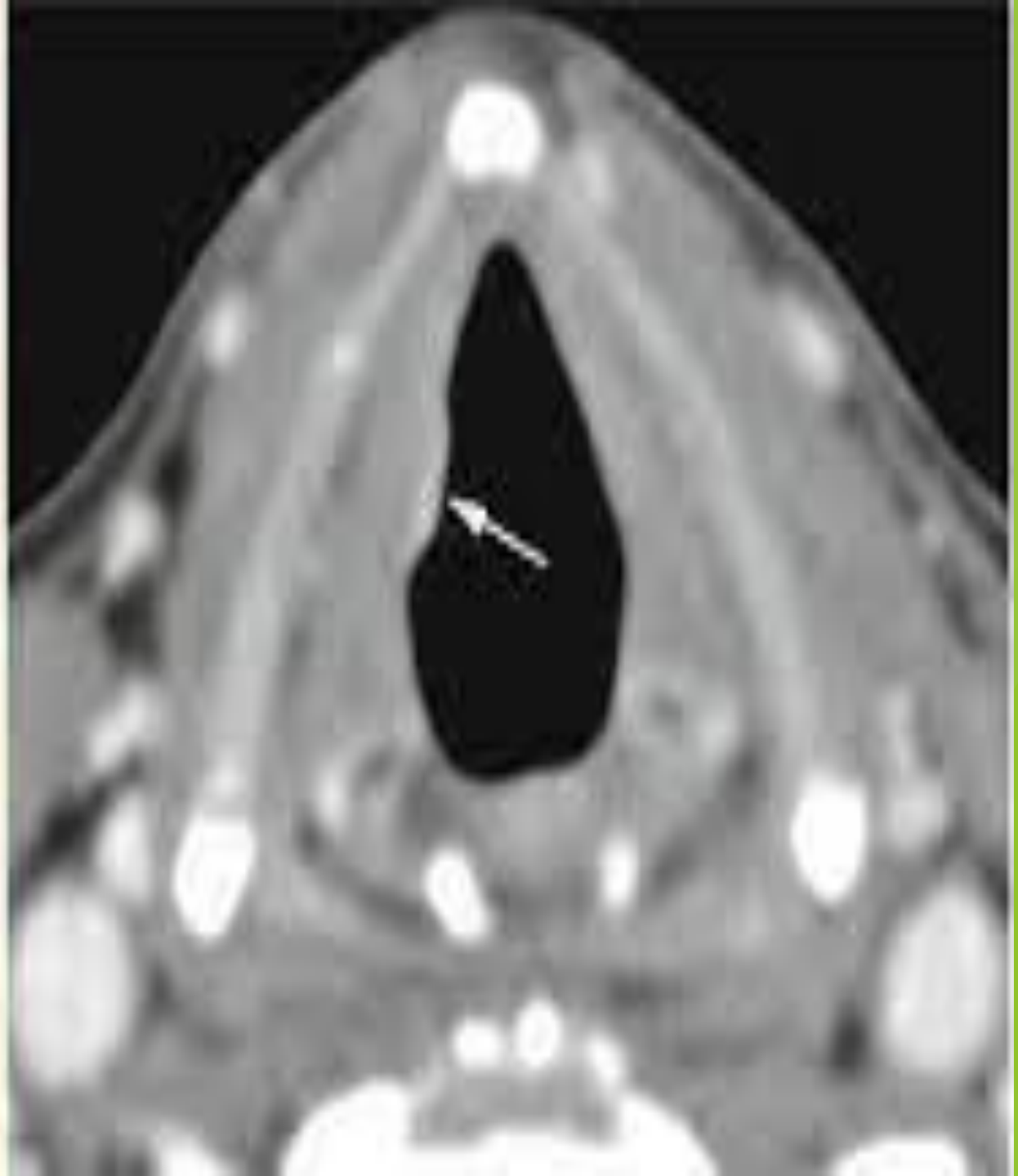




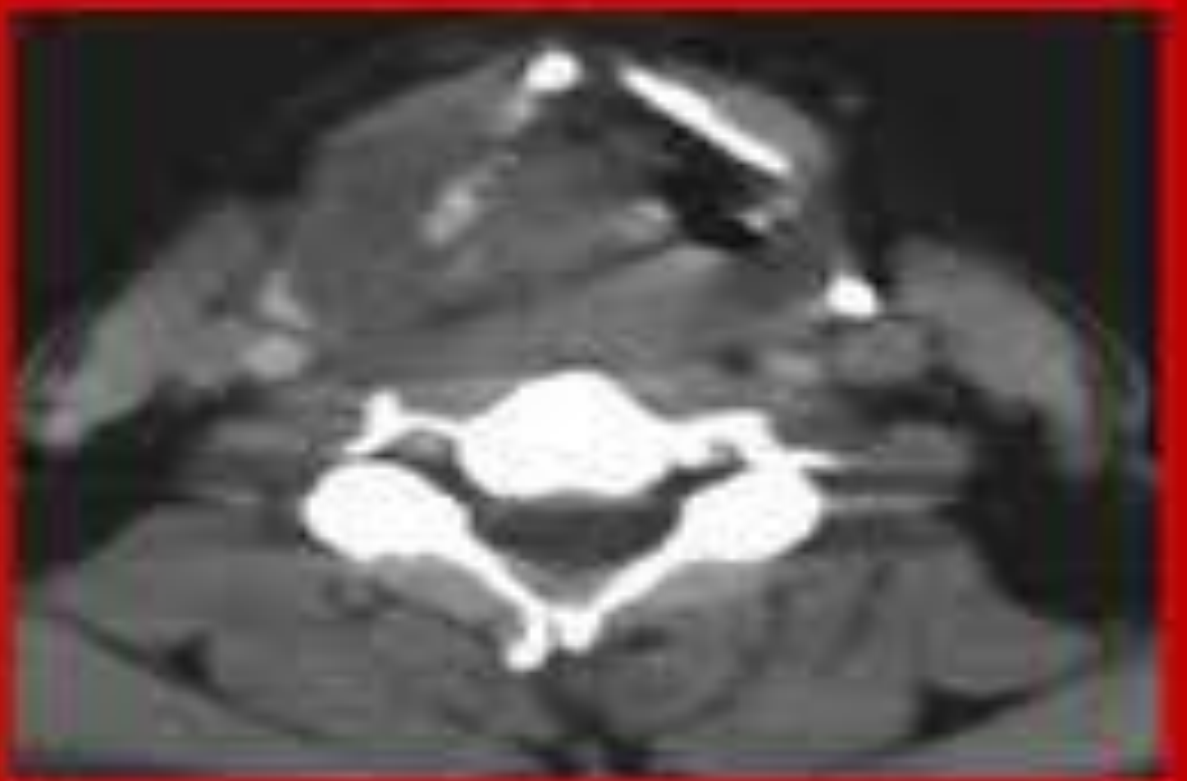
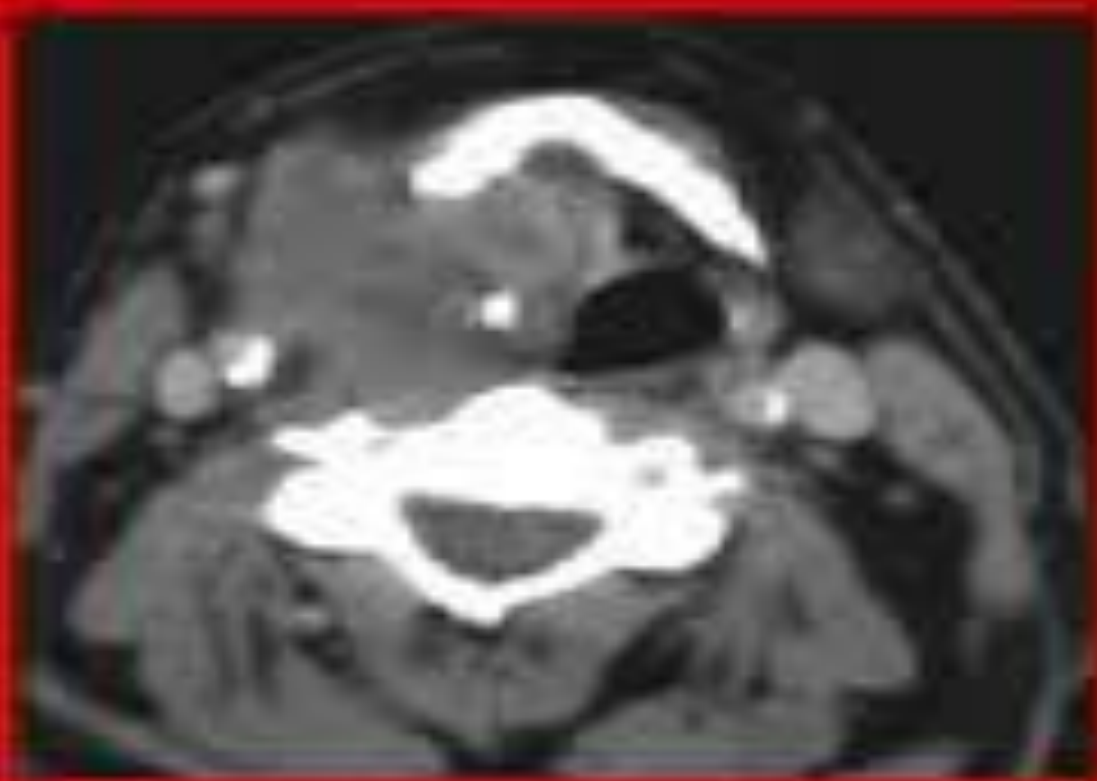


► BIOPSY

► NECK CT SCAN WITH CONTRAST



# Supraglottic carcinoma





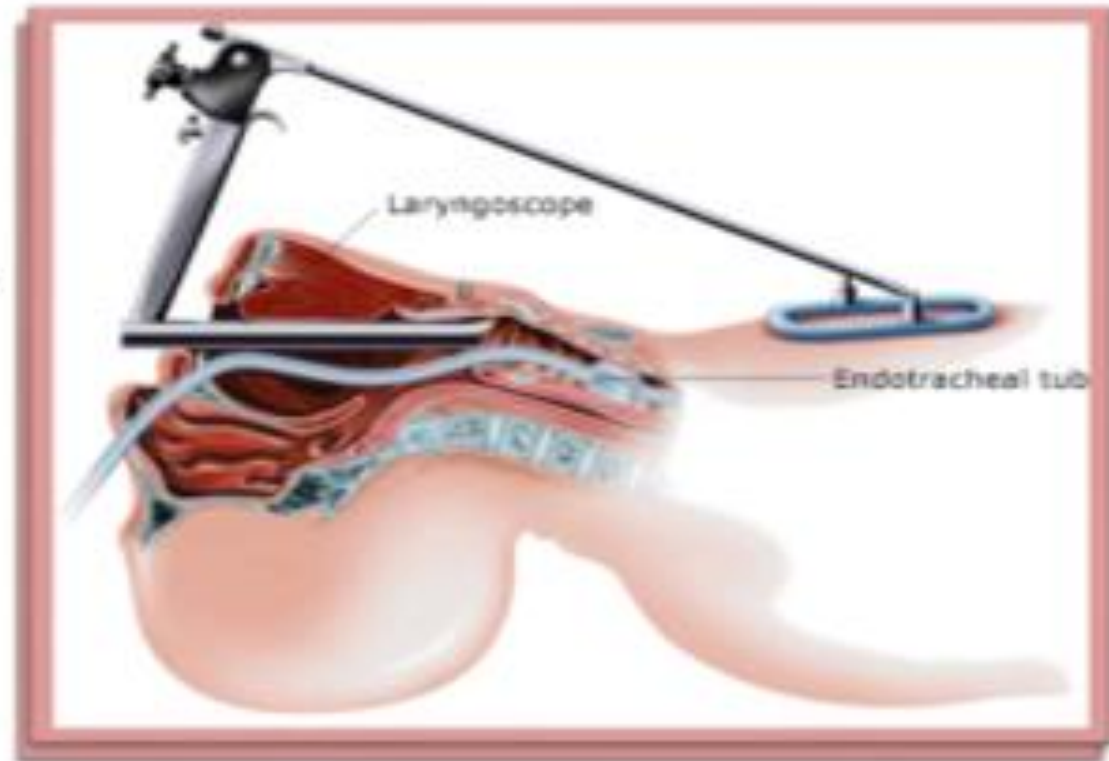
# direct rigid laryngoscopy

**General anesthesia**

**Examination of the larynx**

**Removal of foreign body**

**Biopsy of mass in the voice box**





VOICESURGEON.NET



Glottic

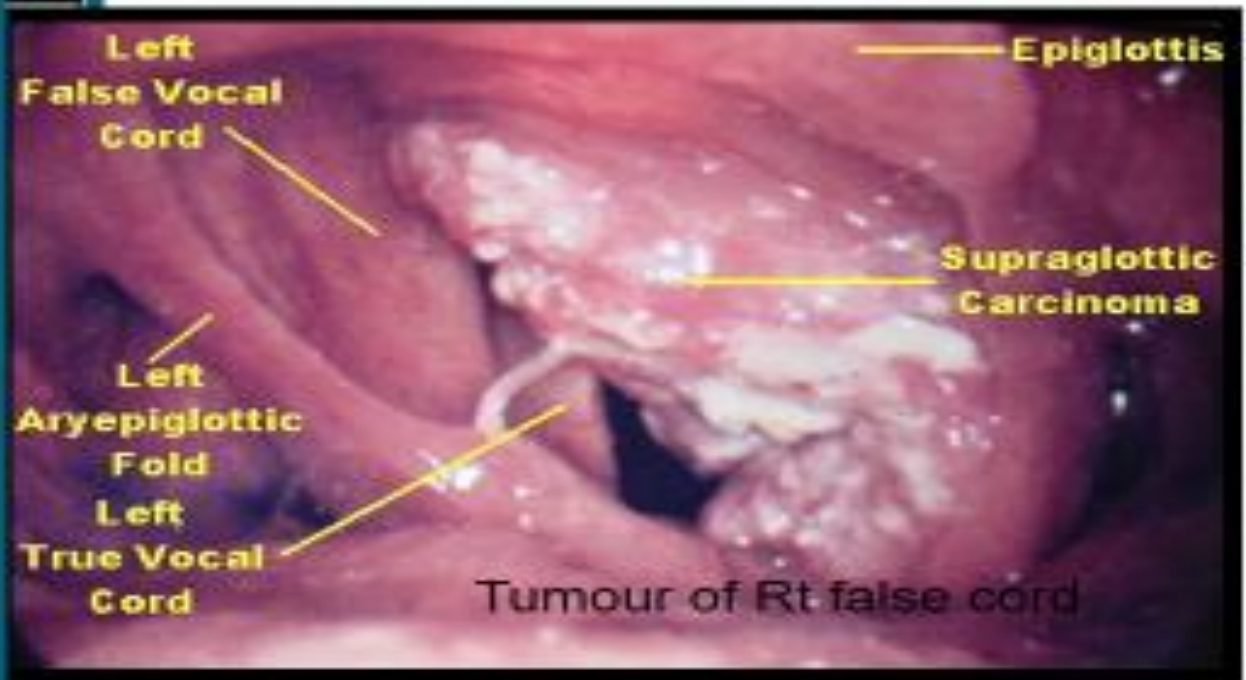
T1a



RT.VC Ca with normal mobility



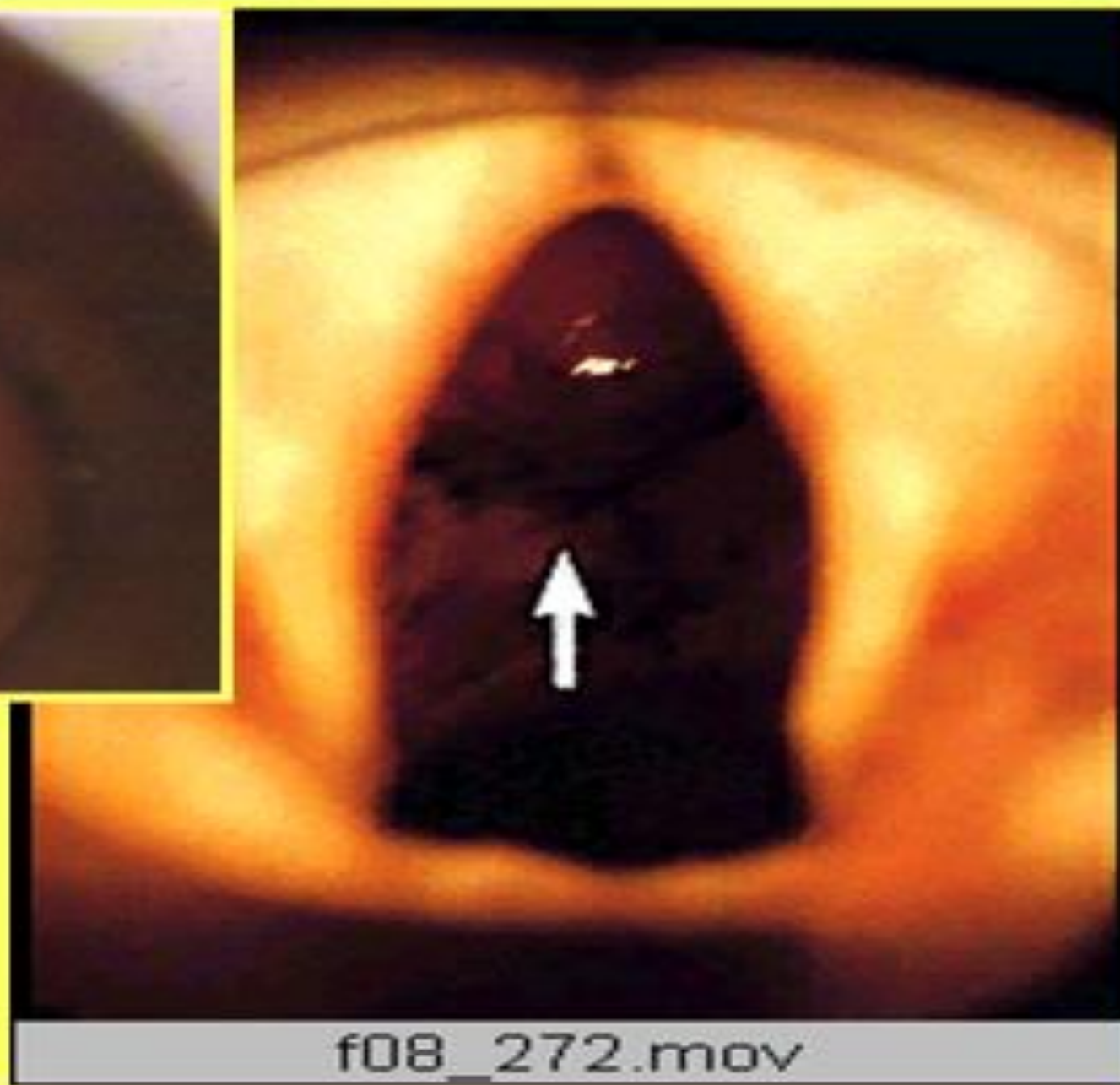
## Supraglottic Ca



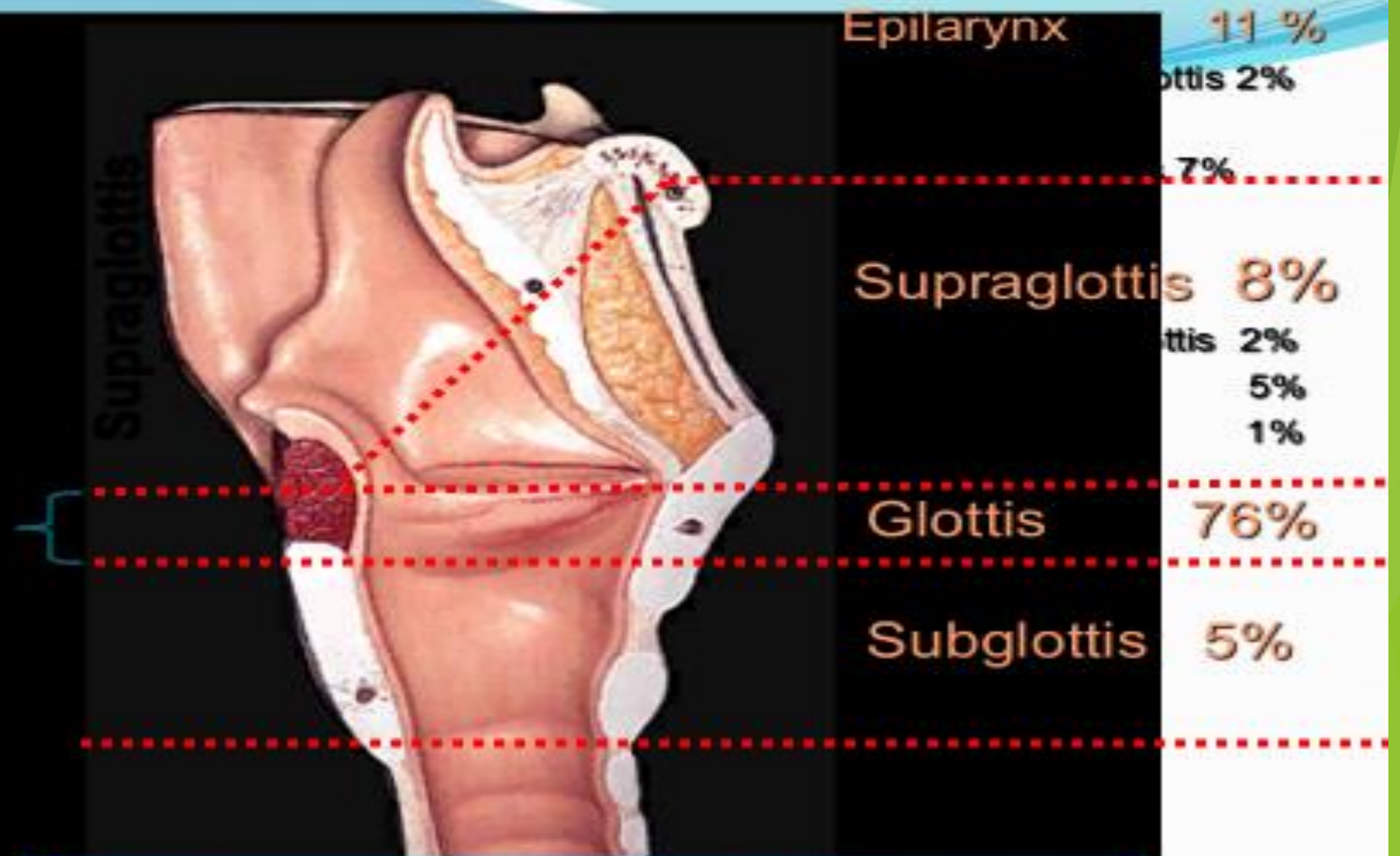




Subglottic Ca



f08\_272.mov



UICC classification of Ca larynx

# TNM classification

**T** : Primary tumour

**N**: Nodal deposits

**M**: Metastasis


## T : Primary tumour

### Glottic

- T<sub>1</sub>** limited / mobile
  - a:** one cord
  - b:** both cords
- T<sub>2</sub>** extends to supra or subglottic / impaired mobility
- T<sub>3</sub>** cord fixation
- T<sub>4</sub>** extends beyond the larynx

### Supra & subglottic

- T<sub>1</sub>** limited / mobile cords
- T<sub>2</sub>** extends to glottis/mobile
- T<sub>3</sub>** cord fixation
- T<sub>4</sub>** extends beyond the larynx



**N:** Nodal deposits  
**N0** NO LN deposits

**N1** ipsilateral , not fixed, <3 cm

**N2** contra or bilateral movable ,  
3-6 cm

**N3** Fixed , >6cm



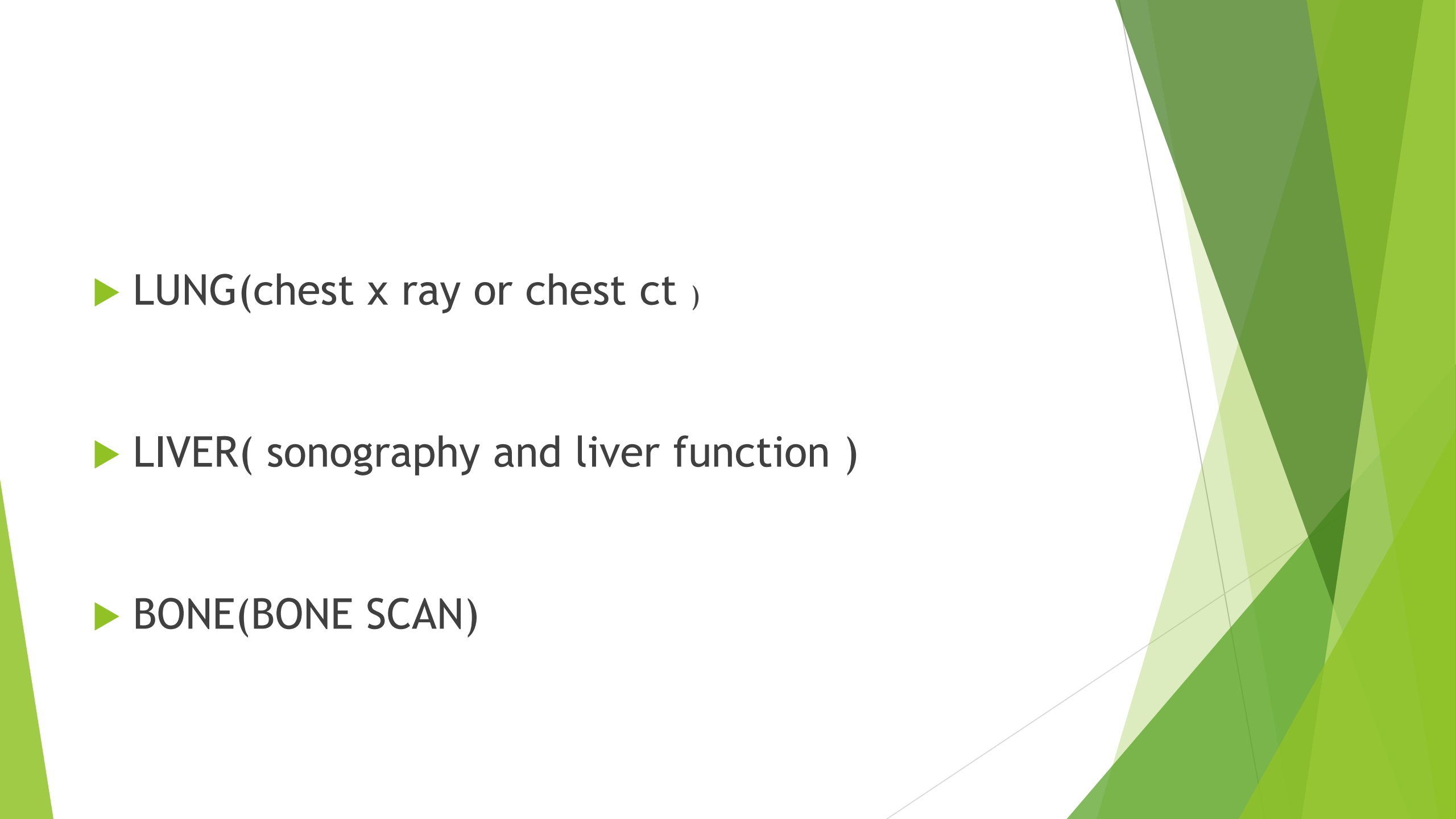
## M: Metastasis

**M<sub>0</sub>**

no metastasis

**M<sub>1</sub>**

metastasis

- 
- The background of the slide features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic design.
- ▶ LUNG(chest x ray or chest ct )
  - ▶ LIVER( sonography and liver function )
  - ▶ BONE(BONE SCAN)

# TREATMENT

- ▶ Metastase (chemoradiotherapy )
- ▶ non metastase (surgical or radiotherapy )
- ▶ T1,T2,T3 partial laryngectomy
- ▶ T4 Total Laryngectomy







