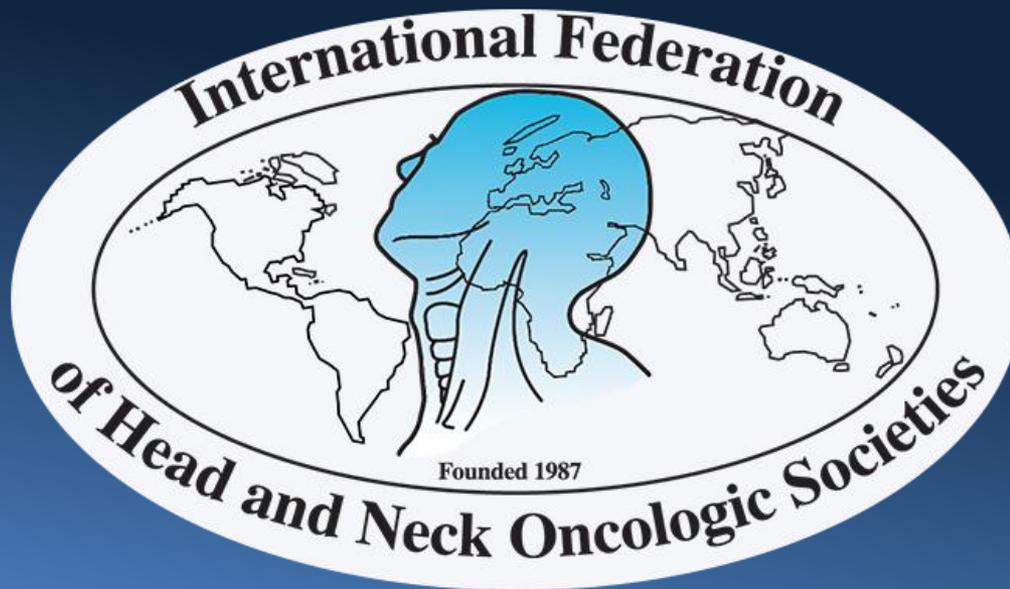


The International Federation of Head and Neck Oncologic Societies

Current Concepts in Head and Neck Surgery and Oncology 2018



www.ifhnos.net

Larynx Preservation

Surgical

Jatin Shah, MD

Management of cancer of the larynx depends on

Tumor factors, patient factors, selection of an appropriate treatment for a particular tumor in a given patient and also on available expertise, resources, preferences and prejudices, keeping in mind the long term oncologic and functional outcome in a most cost effective and expeditious manner.

Cancer of the Larynx

Supraglottic

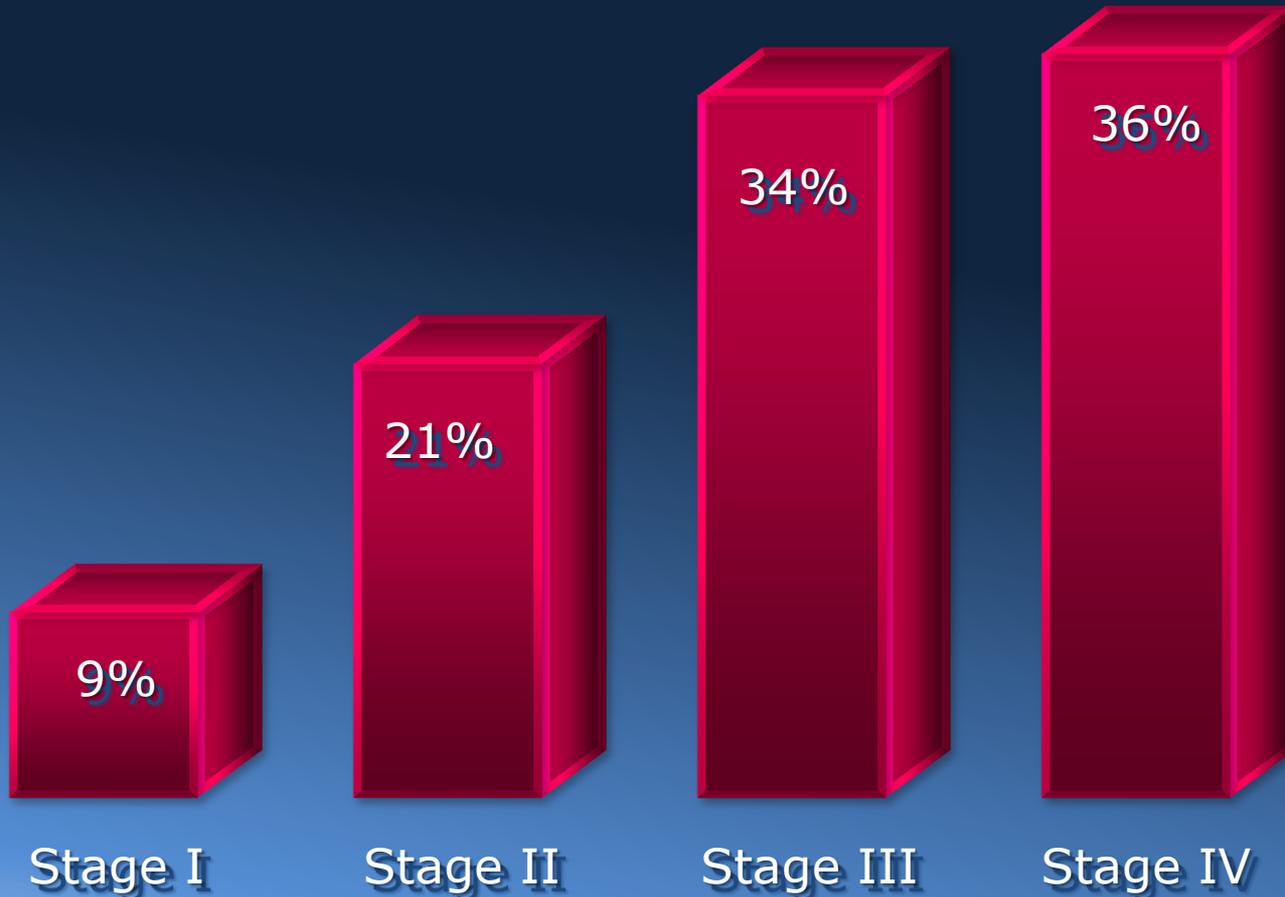
- Early symptoms subtle, often ignored
- Early invasion of adjacent structures
- Lack of intrinsic barriers to tumor spread
- Rich lymphatic drainage, usually bilateral
- Lymph node metastases common

Cancer of the Larynx

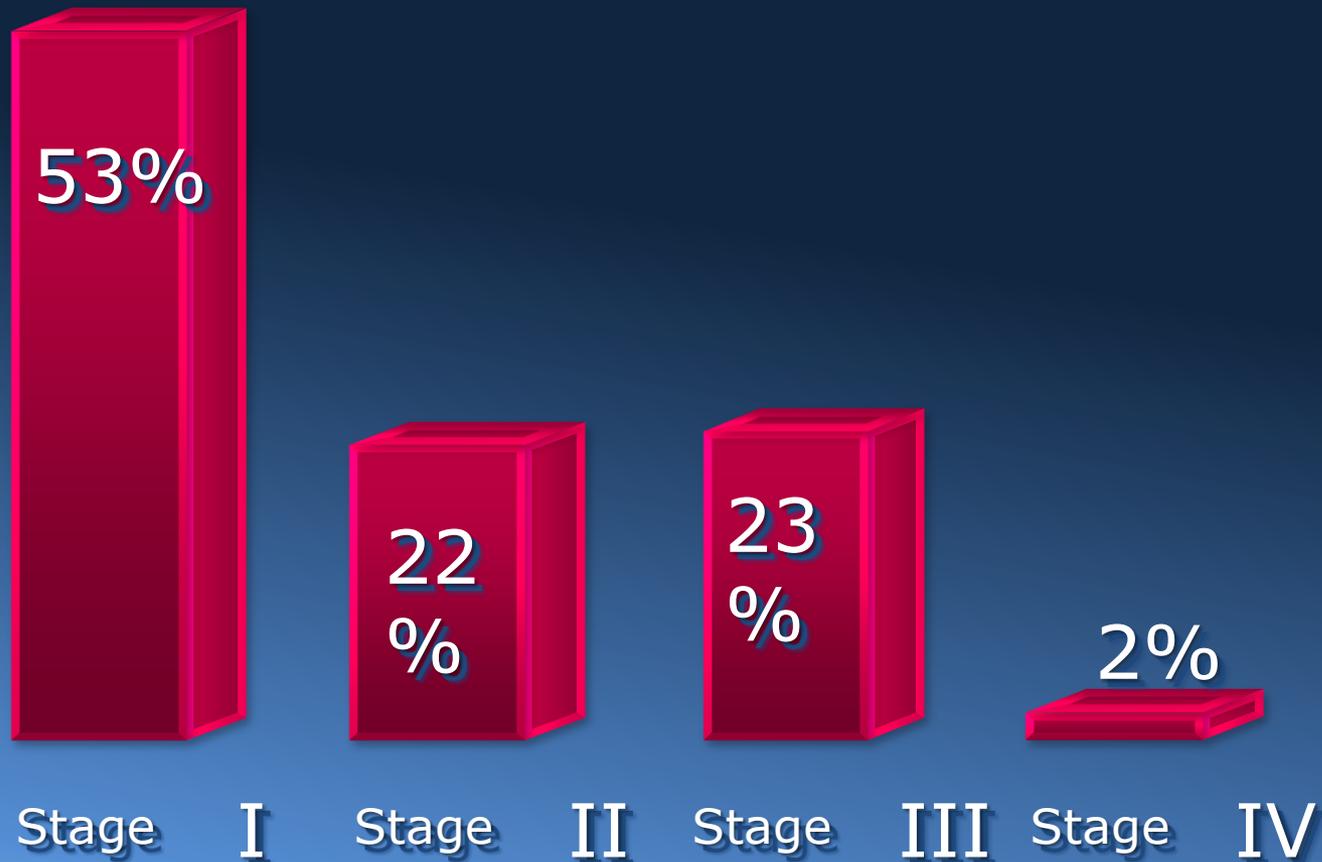
Glottic

- Early symptoms obvious
- Slowly growing tumor
- Histologically well differentiated tumor
- Paucity of lymphatic drainage
- Barriers to tumor spread
- Lymph node metastases are rare

The stage distribution of patients with supraglottic carcinoma



The stage distribution of patients with glottic carcinoma

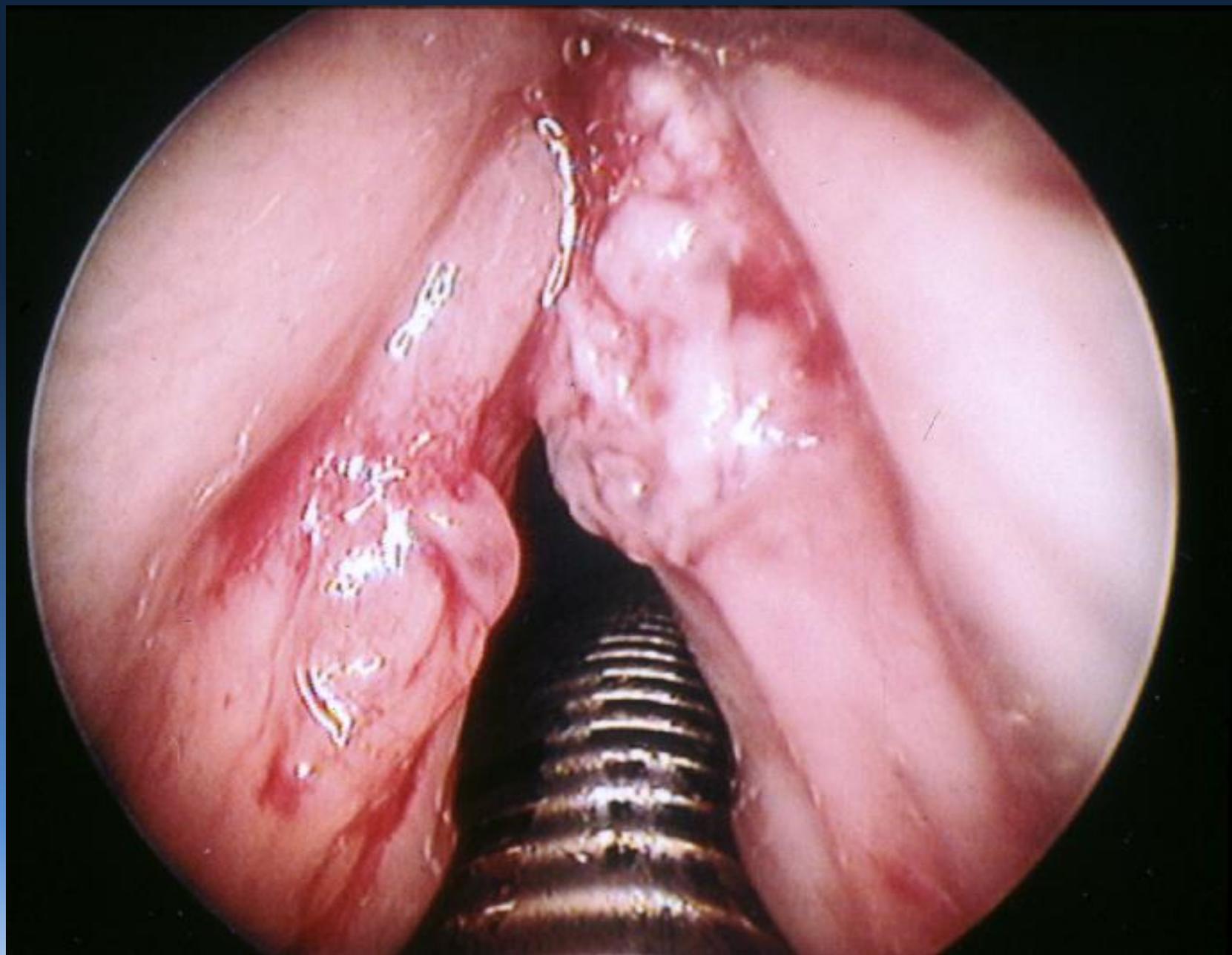


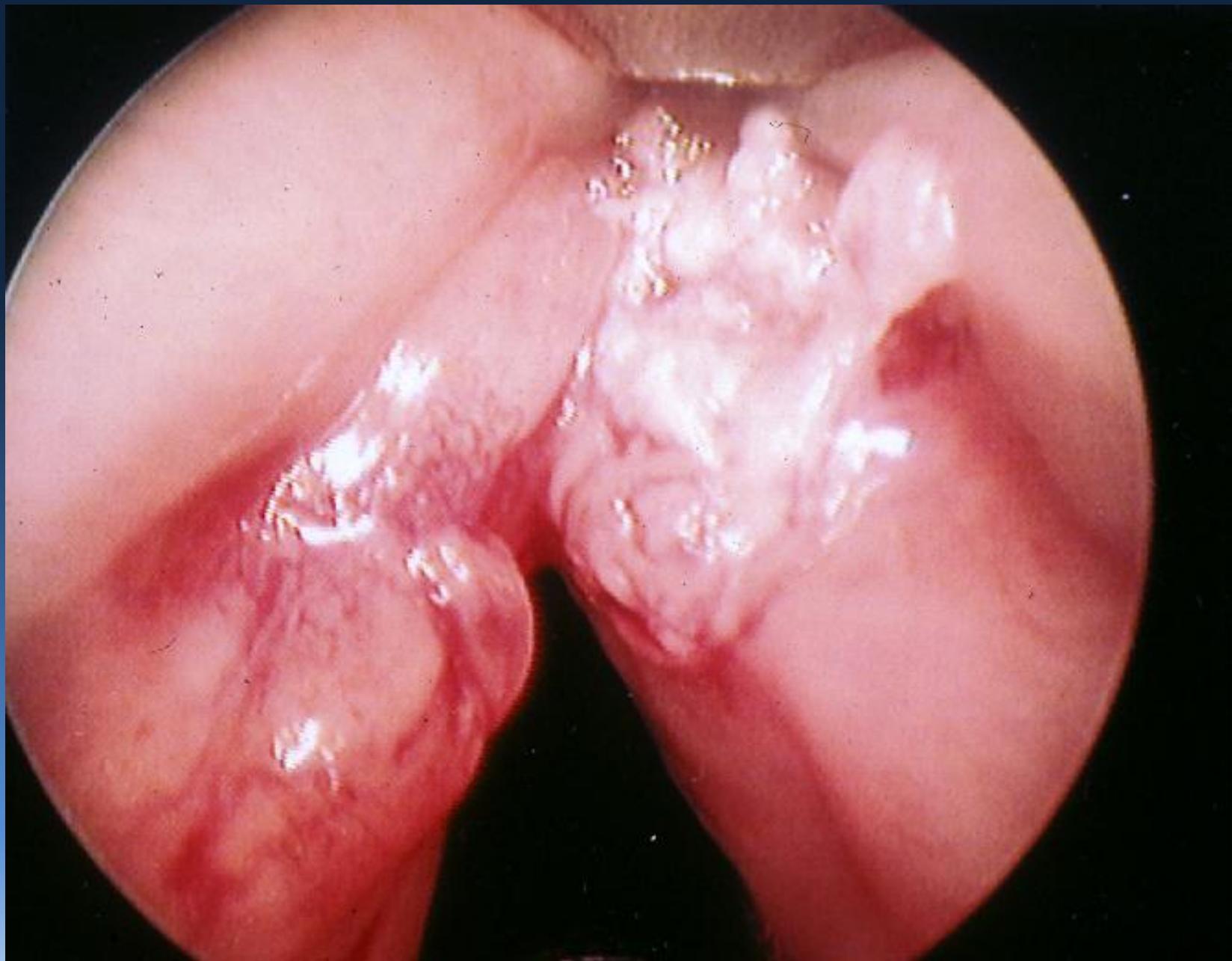
What is Early Cancer of the Larynx

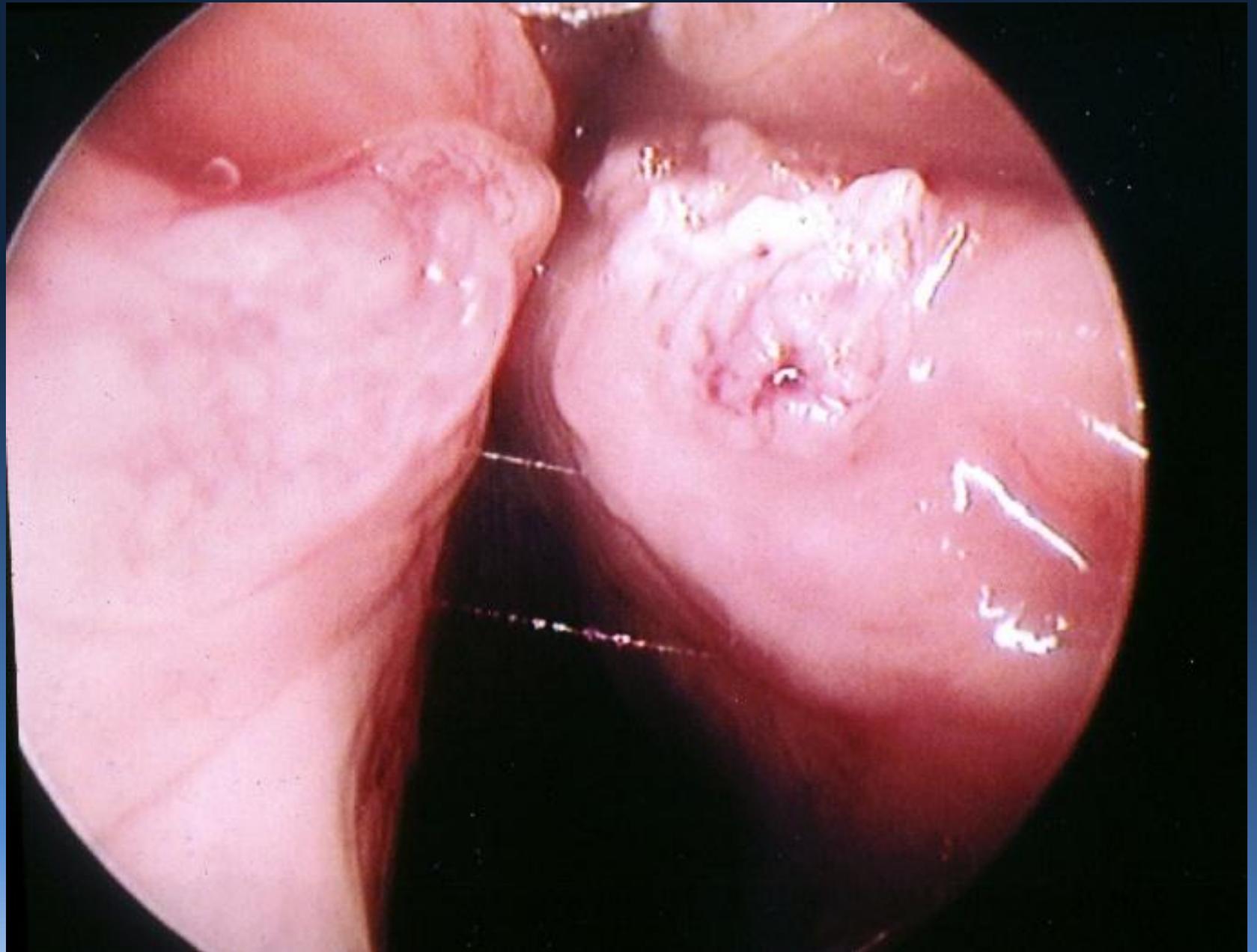
- Tumors confined to the larynx
- Tumors without structural or functional impairment
- No cartilage invasion
- No impairment of mobility
- Generally T₁ and T₂

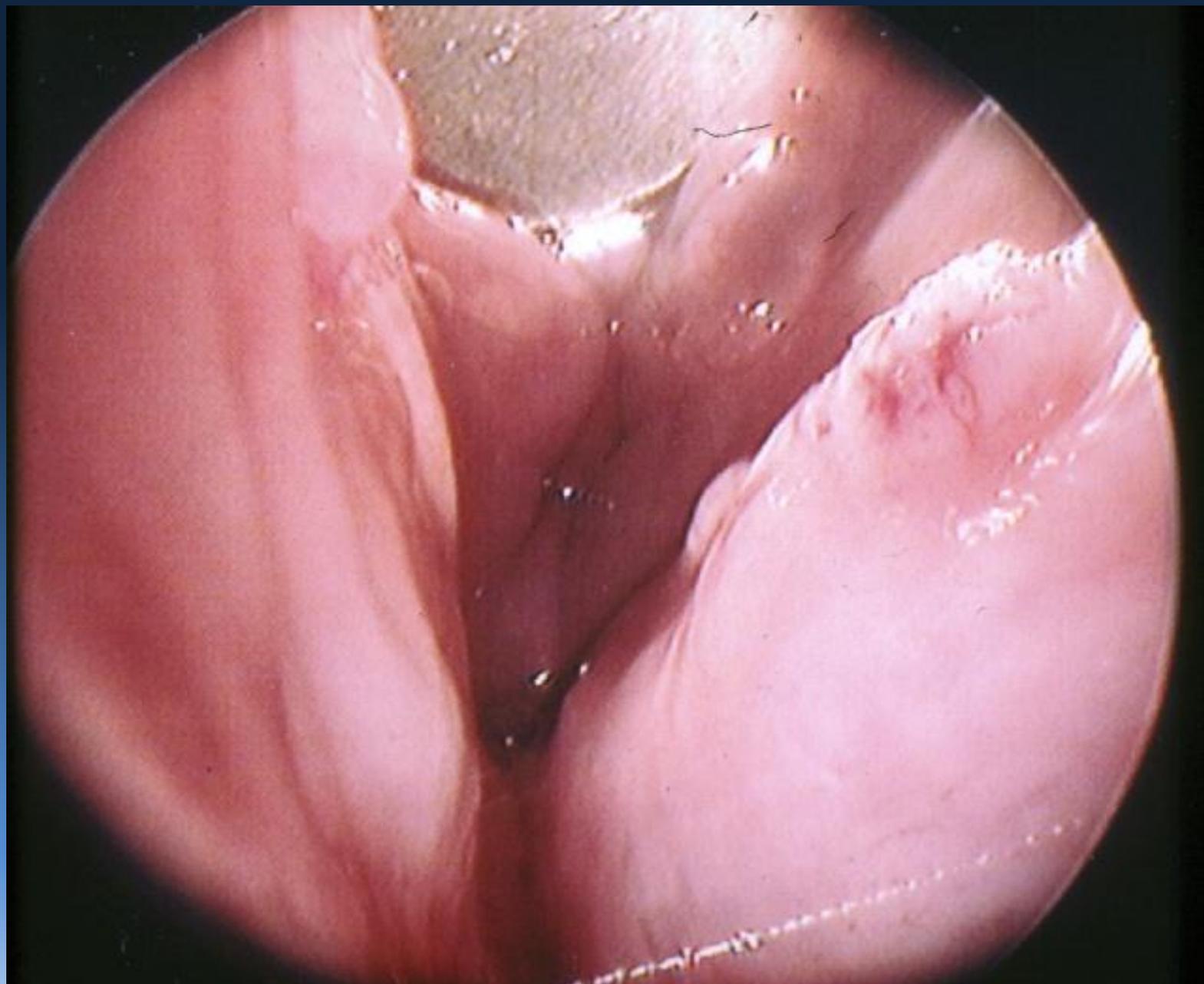
Evaluation of Patients with Early Cancer of the Larynx

- Evaluation of the patient
- Evaluation of the tumor
- Selection from available choice of treatment methods
- Expectation of anticipated outcome
 - Oncologic
 - Functional
- Cost effectiveness
- Patient preference
- Provider preference









Early Cancer of the Larynx

Selection from available choice of treatment methods

- Endoscopic resection with or without laser
- Radiotherapy
- Open partial laryngectomy
- Total laryngectomy?

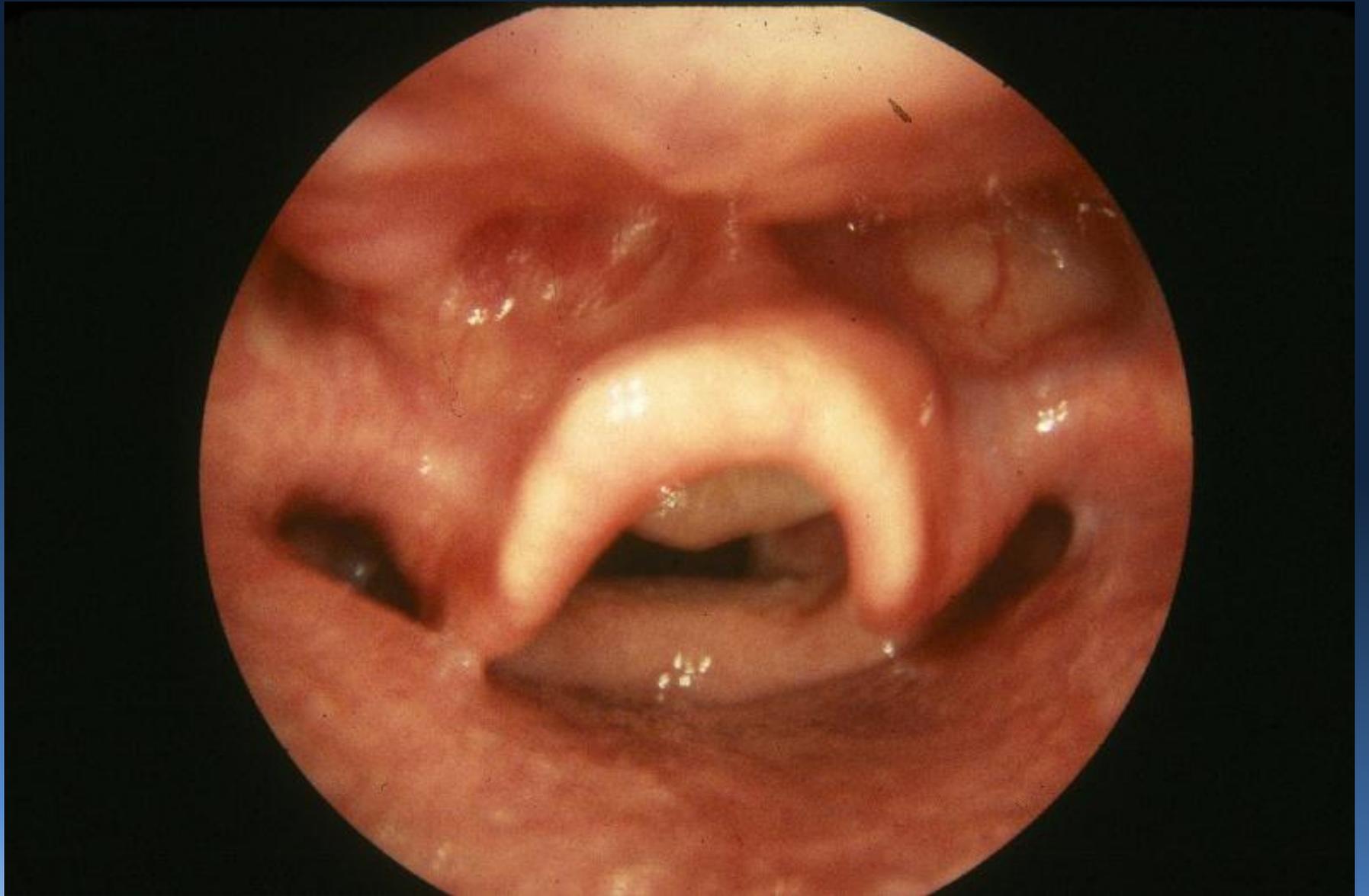
Carcinoma of the Supraglottic Larynx

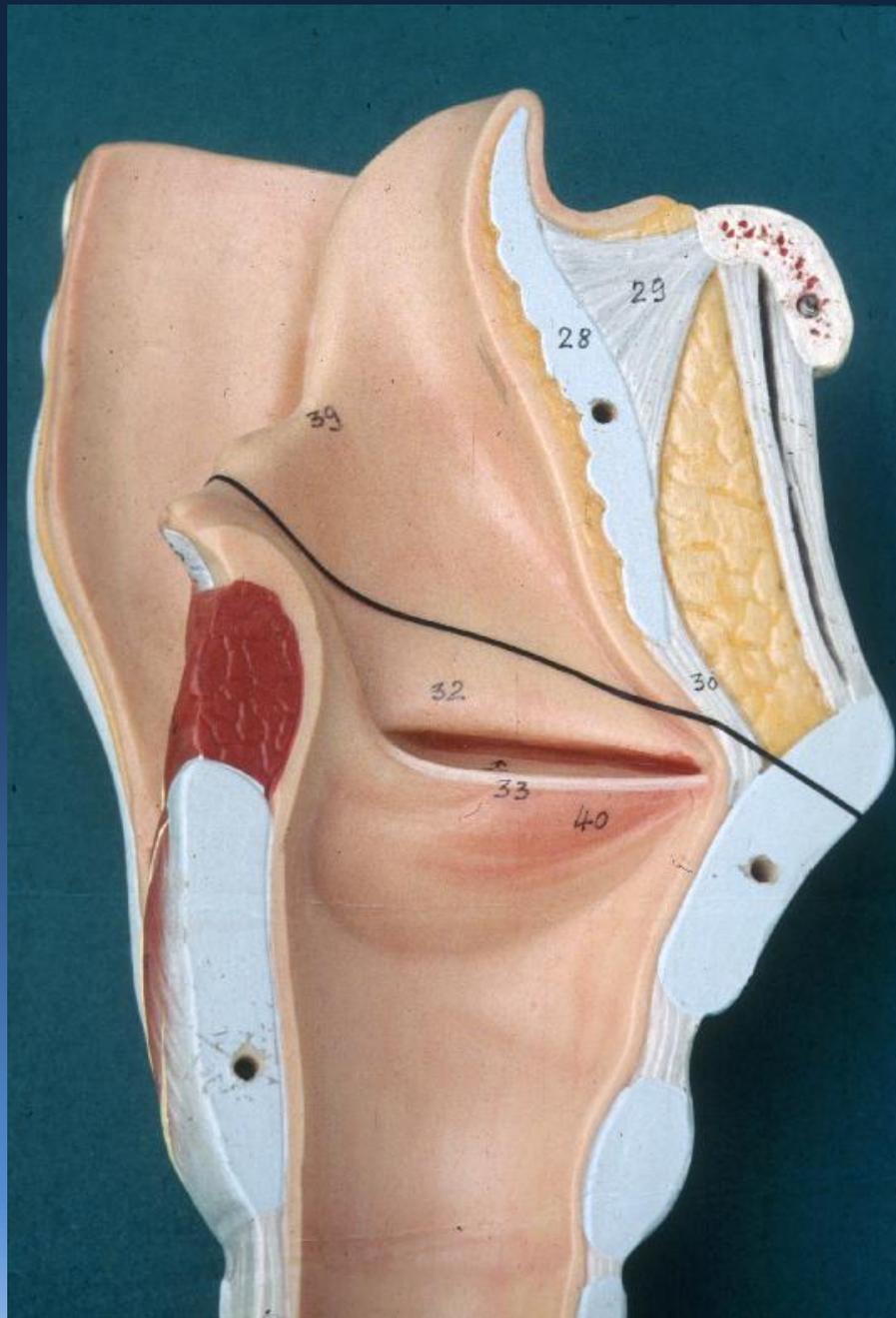
Criteria for Selection of Treatment

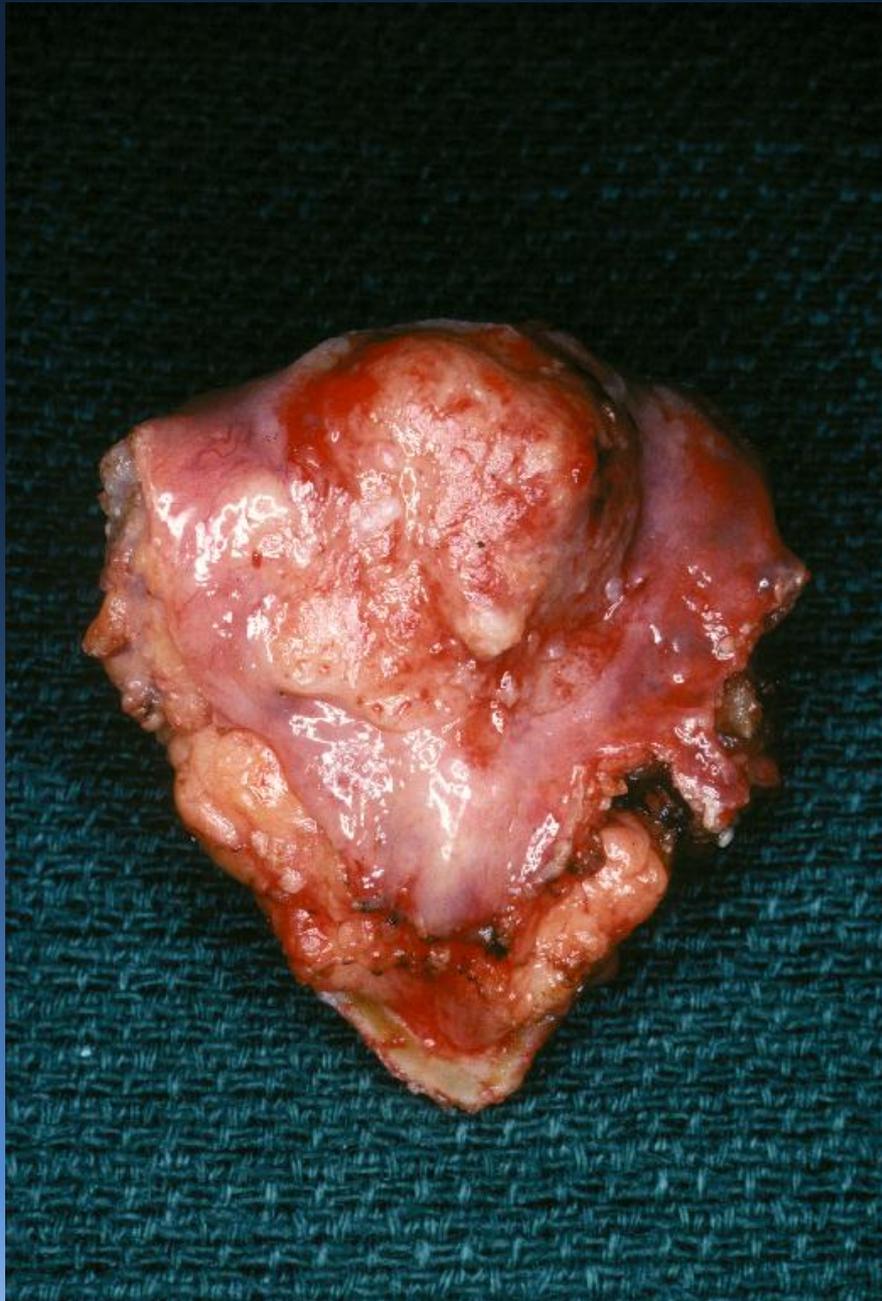
$T_1 - T_2$ Lesions

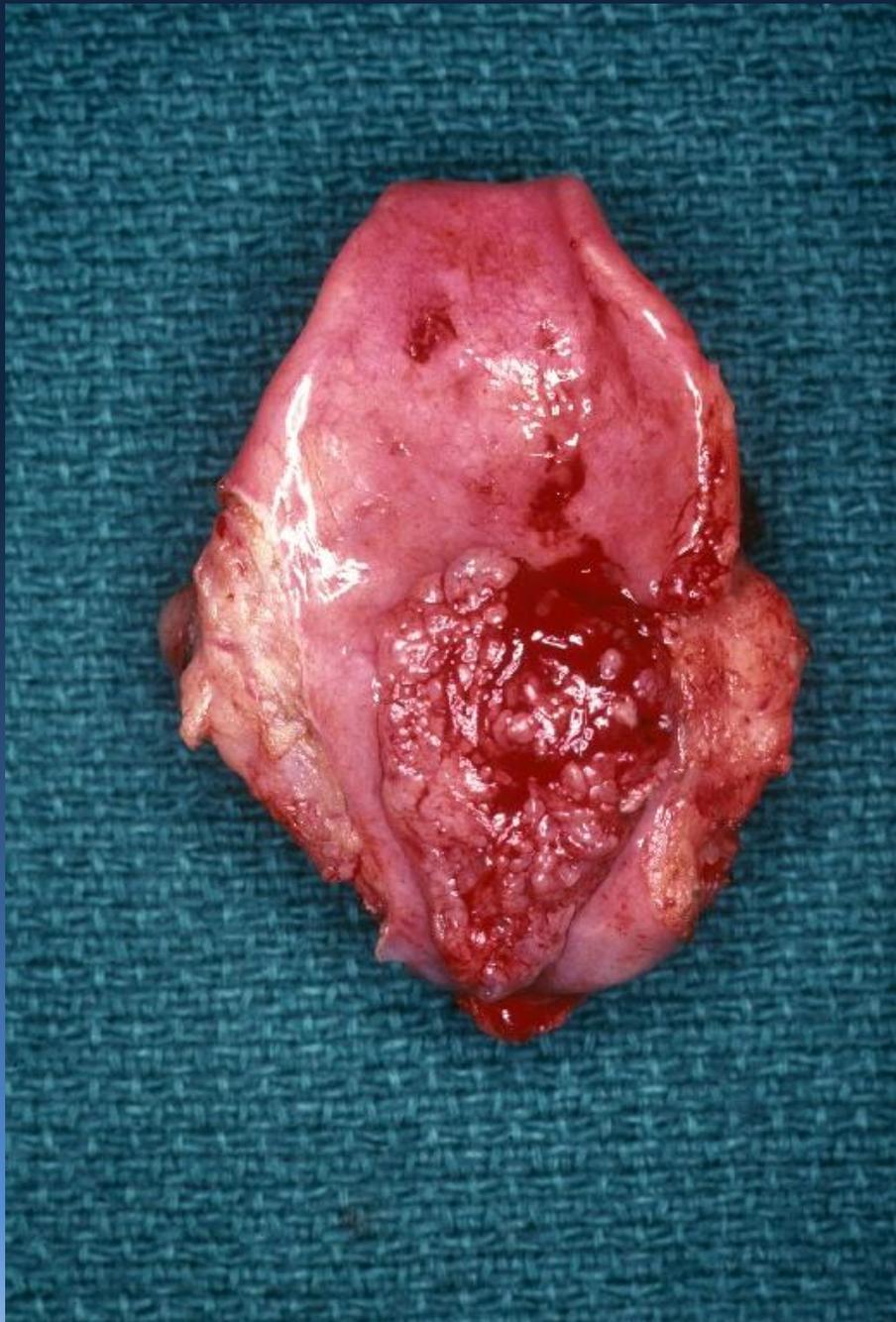
SURGERY

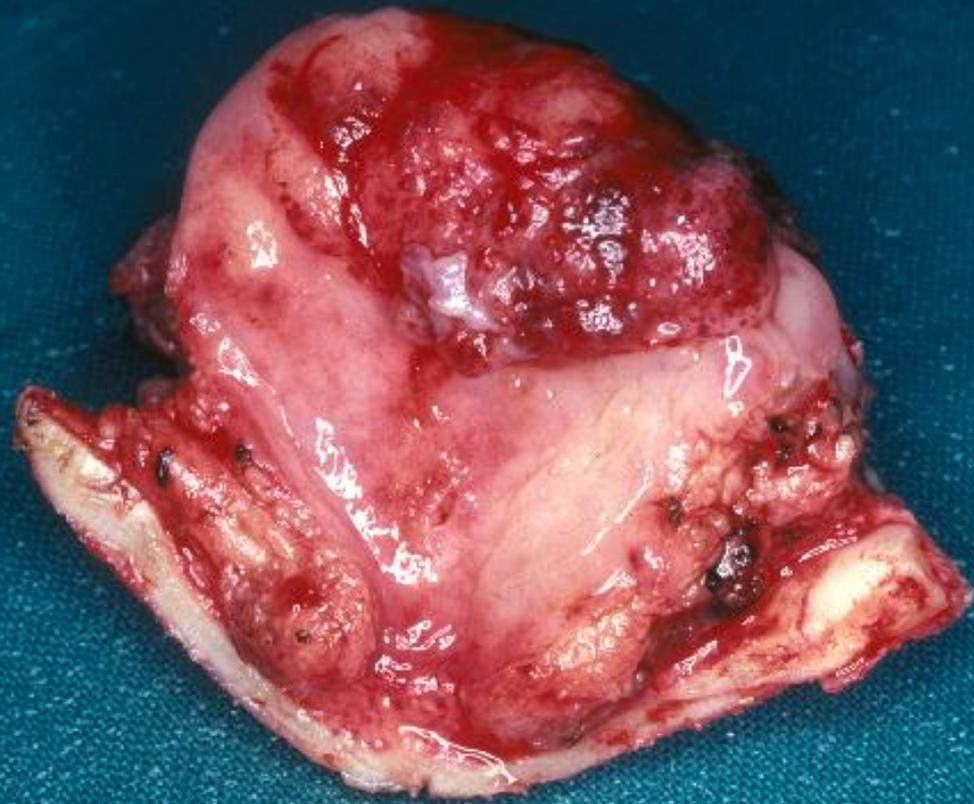
- Patients with N_0 or N_1 disease
- Primary tumor with extension to base of tongue or hypopharynx













Carcinoma of the Supraglottic Larynx

Criteria for Selection of Treatment

$T_1 - T_2$ Lesions

RADIOTHERAPY

- Small primary lesions with $>N_1$ disease where neck dissection with post operative radiotherapy would be required
- Patients with poor pulmonary reserve

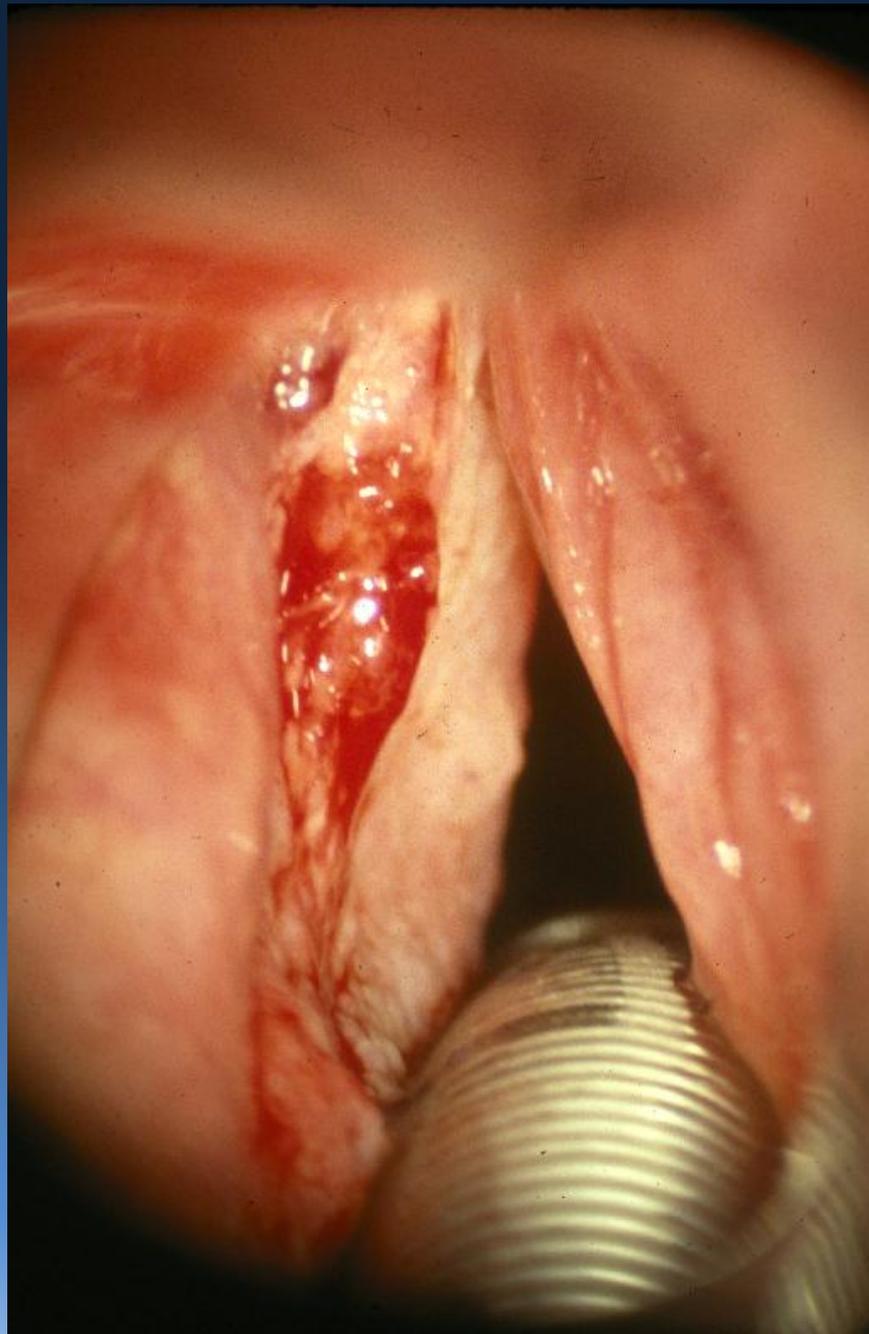
Carcinoma of the Glottic Larynx

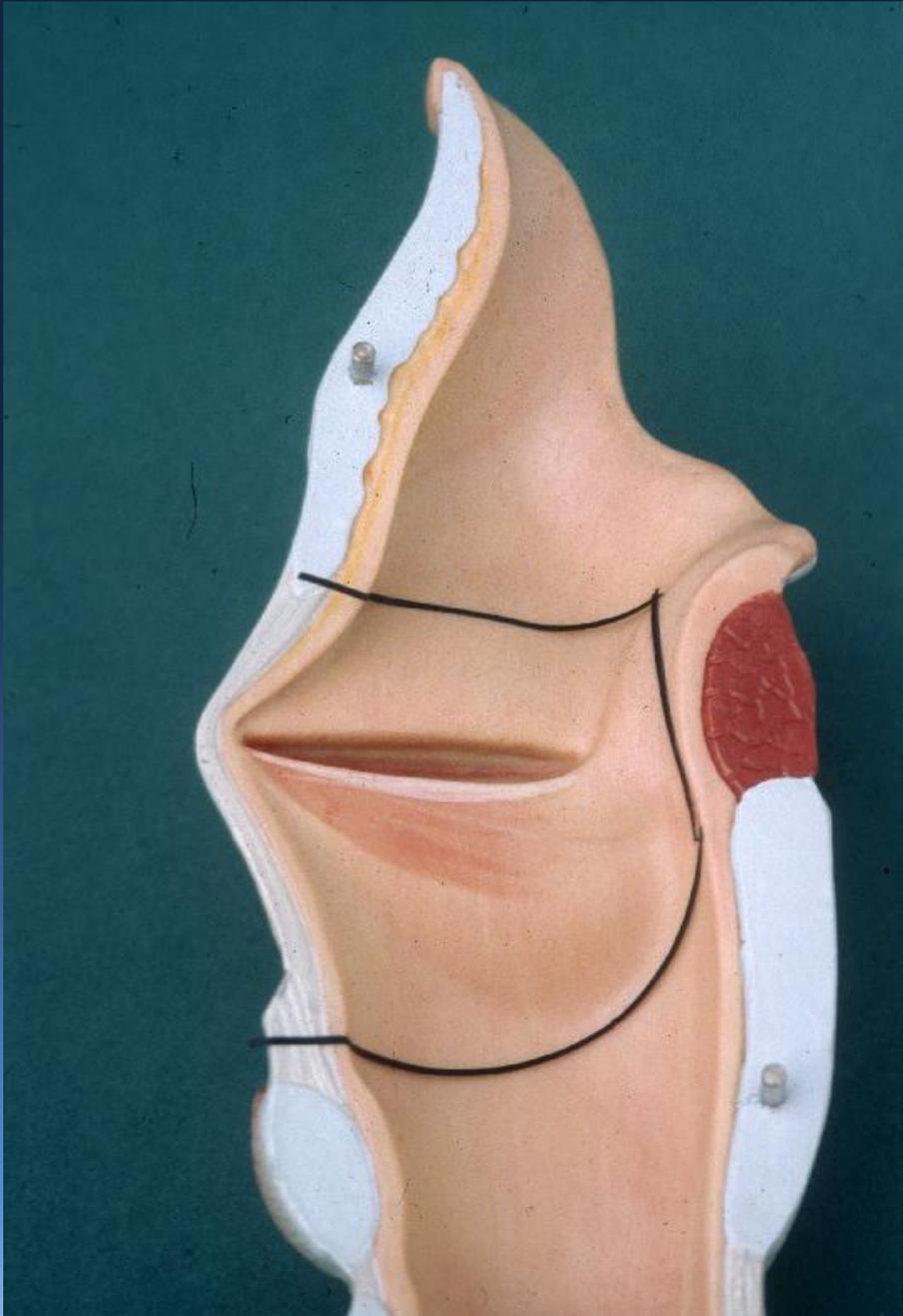
Criteria for Selection of Treatment

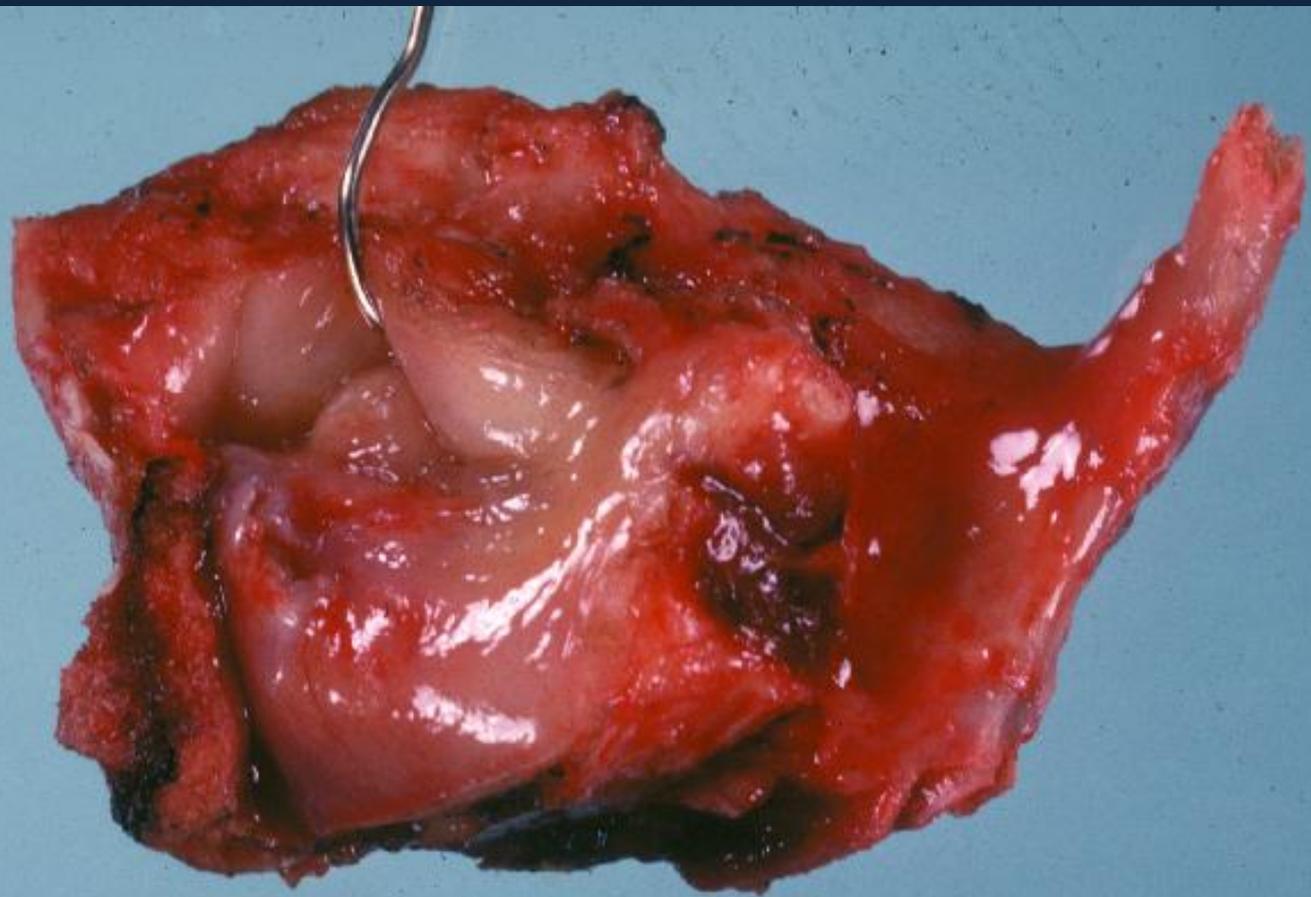
$T_1 - T_2$ Lesions

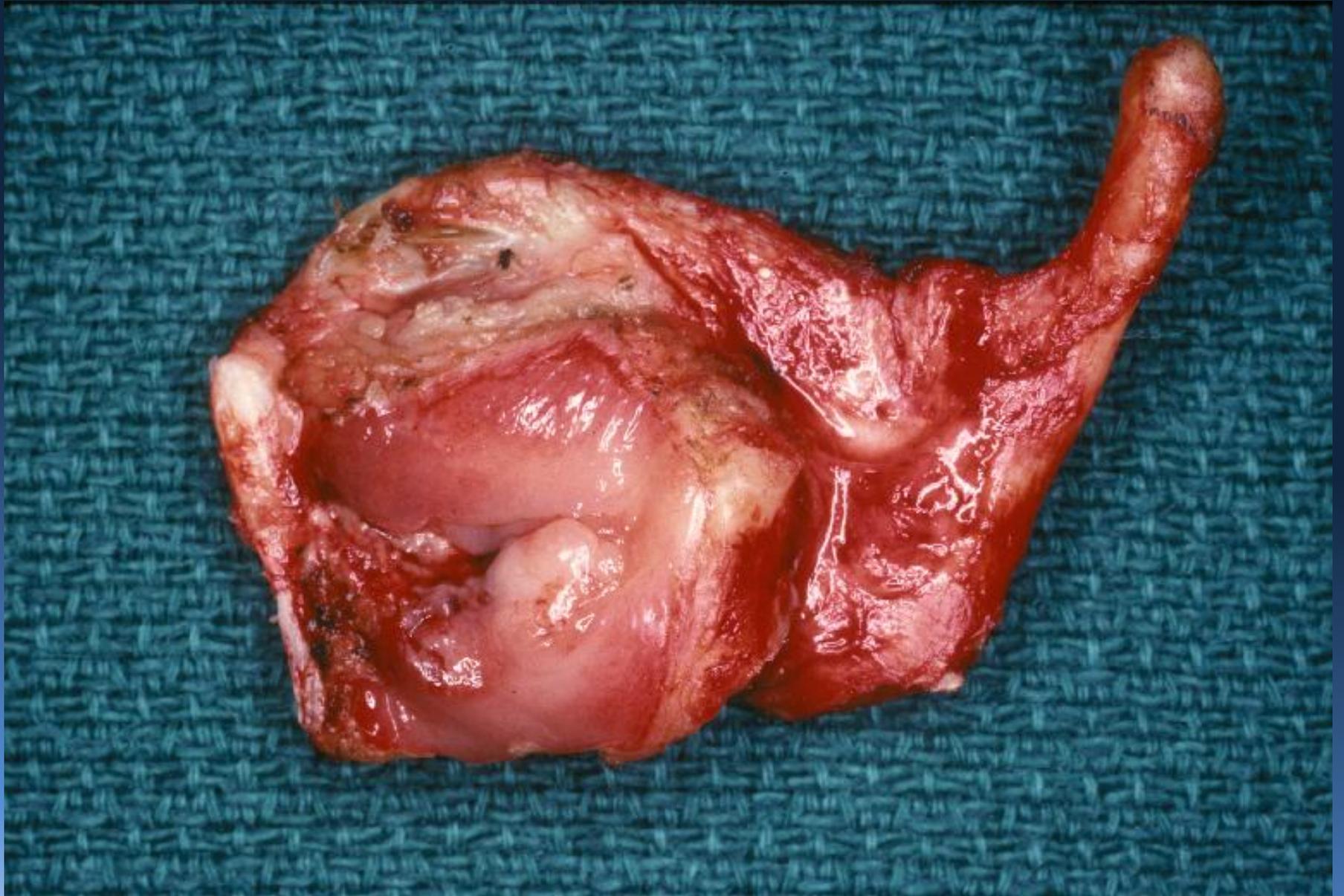
SURGERY

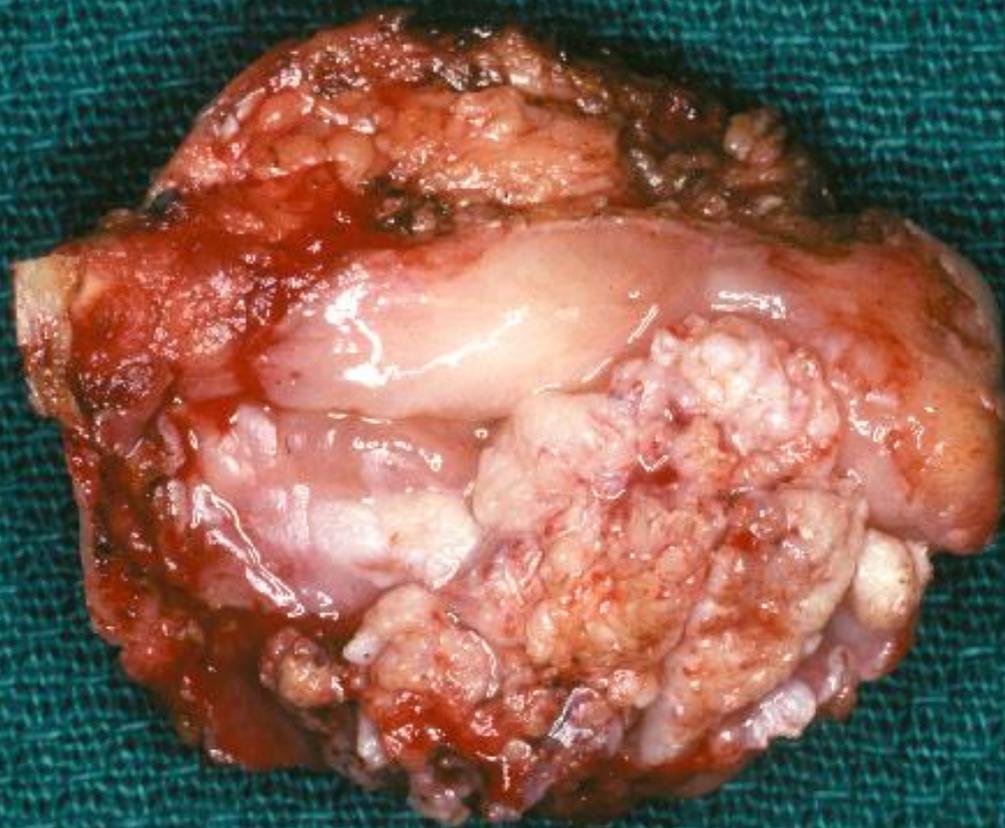
- Endophytic lesions
- Lesions with significant subglottic or supraglottic extension
- Lesions of the anterior commissure
- Lesions with extension to the arytenoid

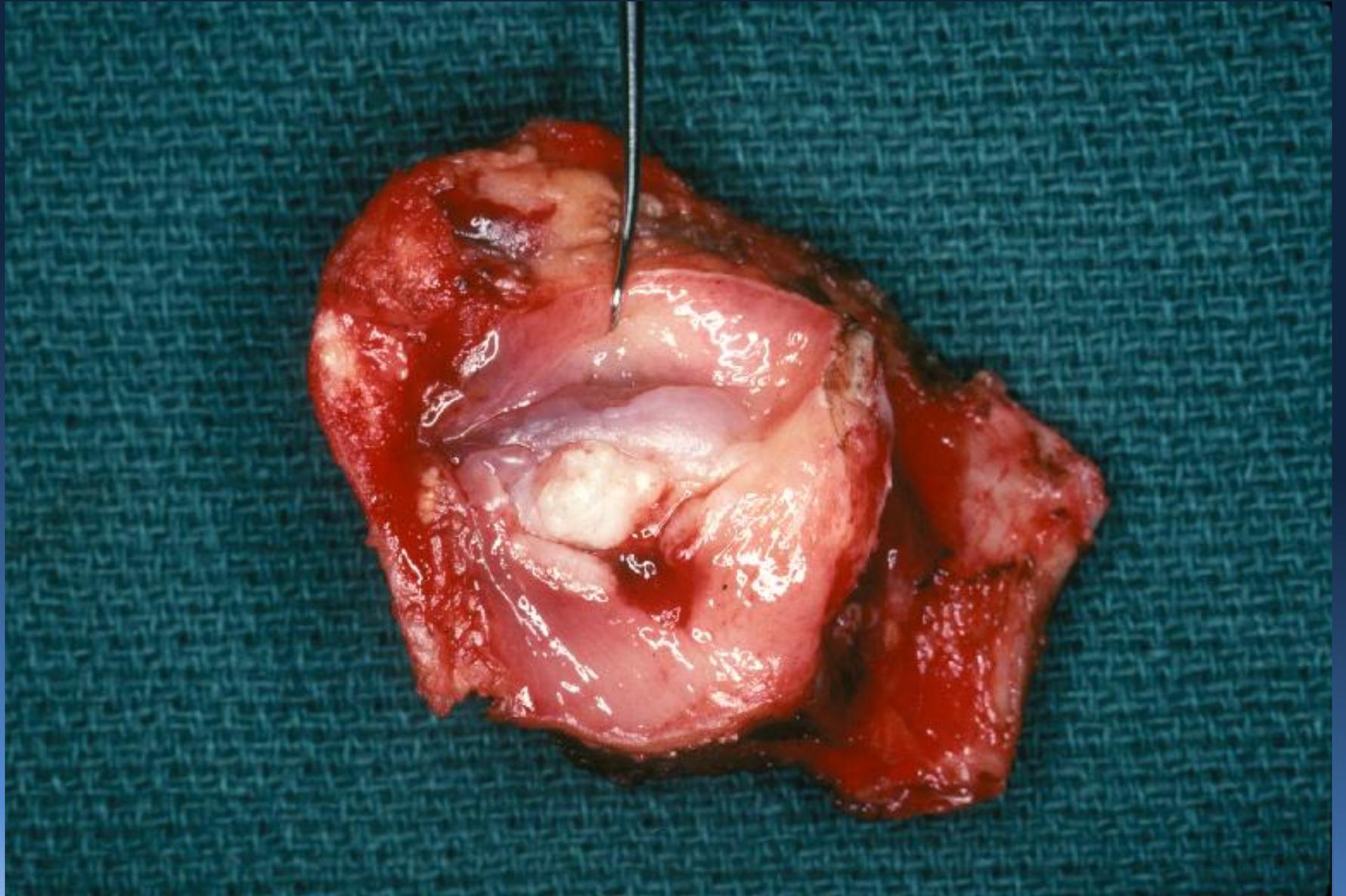












Carcinoma of the Glottic Larynx

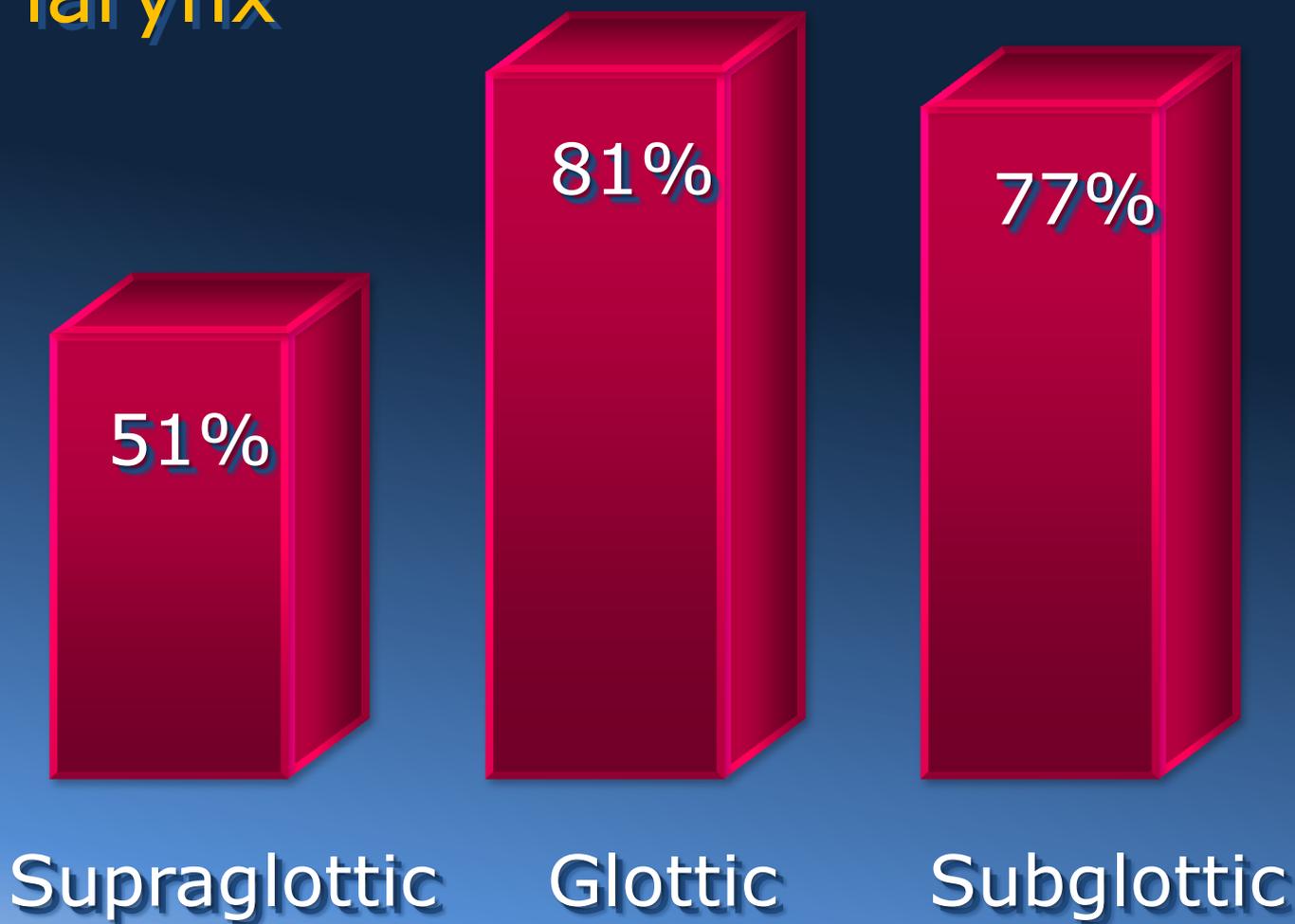
Criteria for Selection of Treatment

$T_1 - T_2$ Lesions

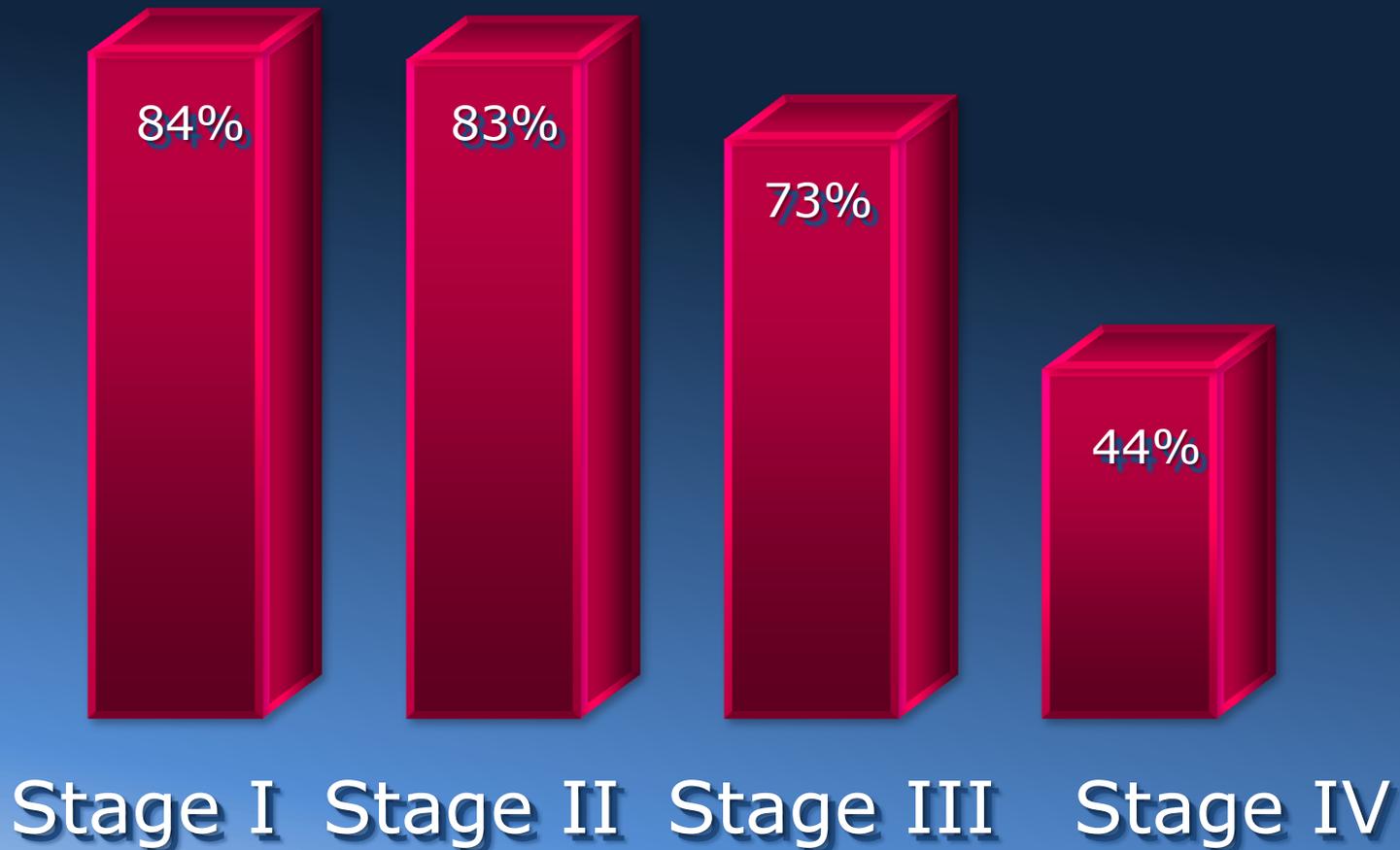
RADIOTHERAPY

- Exophytic lesions
- Lesions without significant subglottic or supraglottic extension
- Lesions of true cord without anterior commissure or arytenoid extension

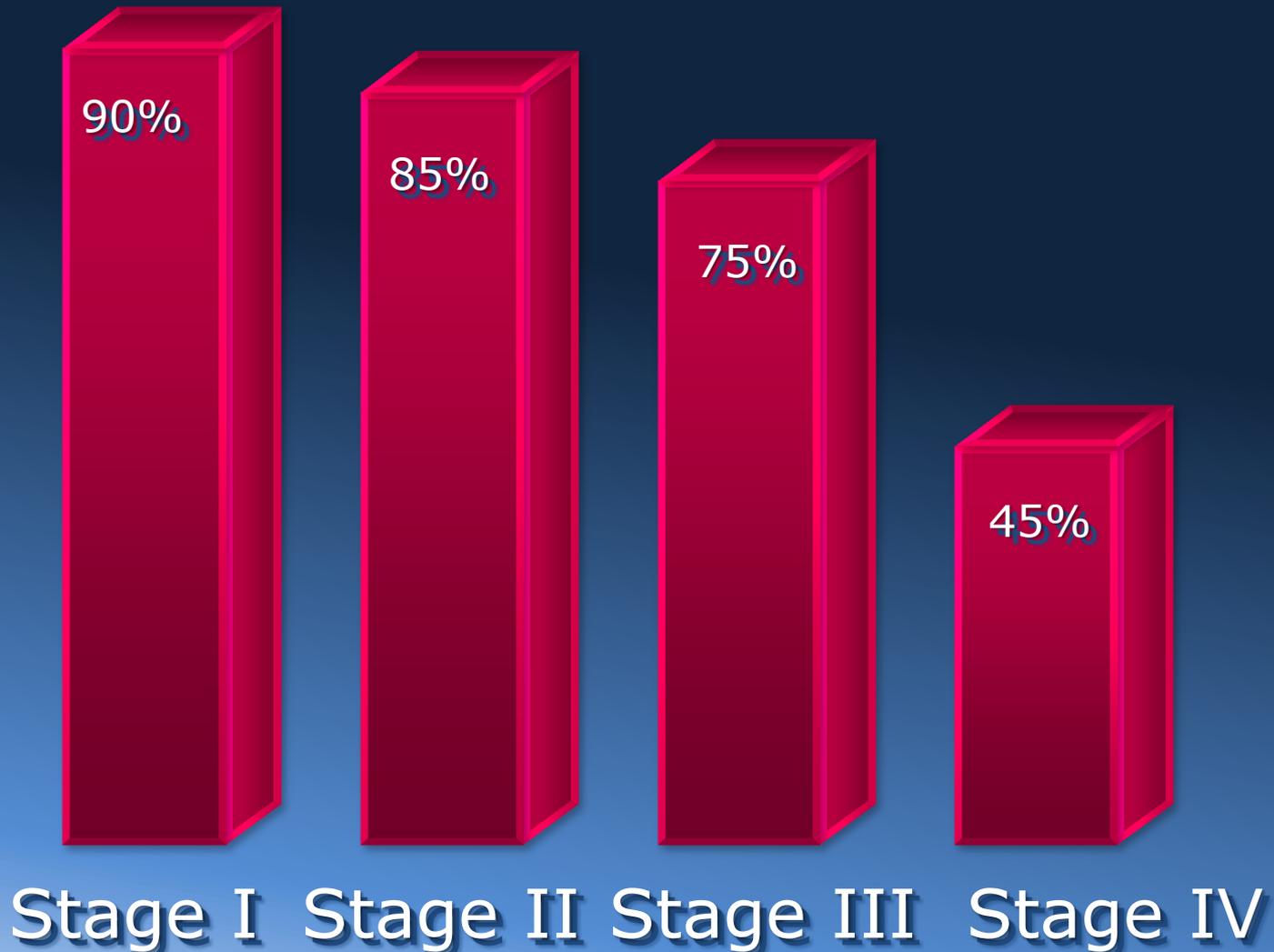
The overall five-year survival following treatment for each region of the larynx



The five-year disease-free survival of patients with supraglottic cancer by stage



The five-year disease-free survival of patients with glottic cancer by stage



Early Cancer of the Larynx

- Cost effectiveness
 - Cost of treatment
 - Length of treatment
 - Loss of time from work due to treatment or morbidity

What is Advanced Cancer of the Larynx?

- Tumors that may be confined to the larynx or extend beyond the larynx
- Tumors that produce structural or functional impairment
- Cartilage invasion; impaired mobility or airway compromise
- Generally T₃ and T₄

Role of Surgery in Advanced Cancers of the Larynx

- Diagnosis and Staging
- Initial definitive treatment
- Salvage treatment
- Management of the neck
- Treatment of complications and/or sequelae of chemo/radiotherapy
- Treatment of dysfunctional larynx
- Miscellaneous

Thank You