

LUNG CANCER CONFERENCE

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Lung Cancer

Role of Pulmonologist:

Assist with diagnosis and staging

Participate in decision regarding surgical treatment

Subsequent treatment of pulmonary issues

Lung Cancer

Often discovered as a nodule or mass on chest xray or chest CT performed for other reasons.

Patients may be asymptomatic or have a number of symptoms listed on next slide

Symptoms of lung cancer in over 3500 patients at presentation

Symptom	Patients (percent)
Cough	45-74
Weight loss	46-68
Dyspnea	37-58
Chest pain	27-49
Hemoptysis	27-29
Bone pain	20-21
Hoarseness	8-18

Modified from: Hyde, L, Hyde, CI. *Chest* 1974; 65:299-306 and Chute CG, et al. *Cancer* 1985; 56:2107-2111.





CHEST CT

Lung Nodules

Circular abnormality in the lung surrounded by lung tissue.

Most are benign, due to changes from previous infection

Likelihood of malignancy dependent on size, shape, margins, rate of growth

Lung Cancer Workup

PET scan

Serial CT scans over time

Biopsy



PET

Biopsy Techniques

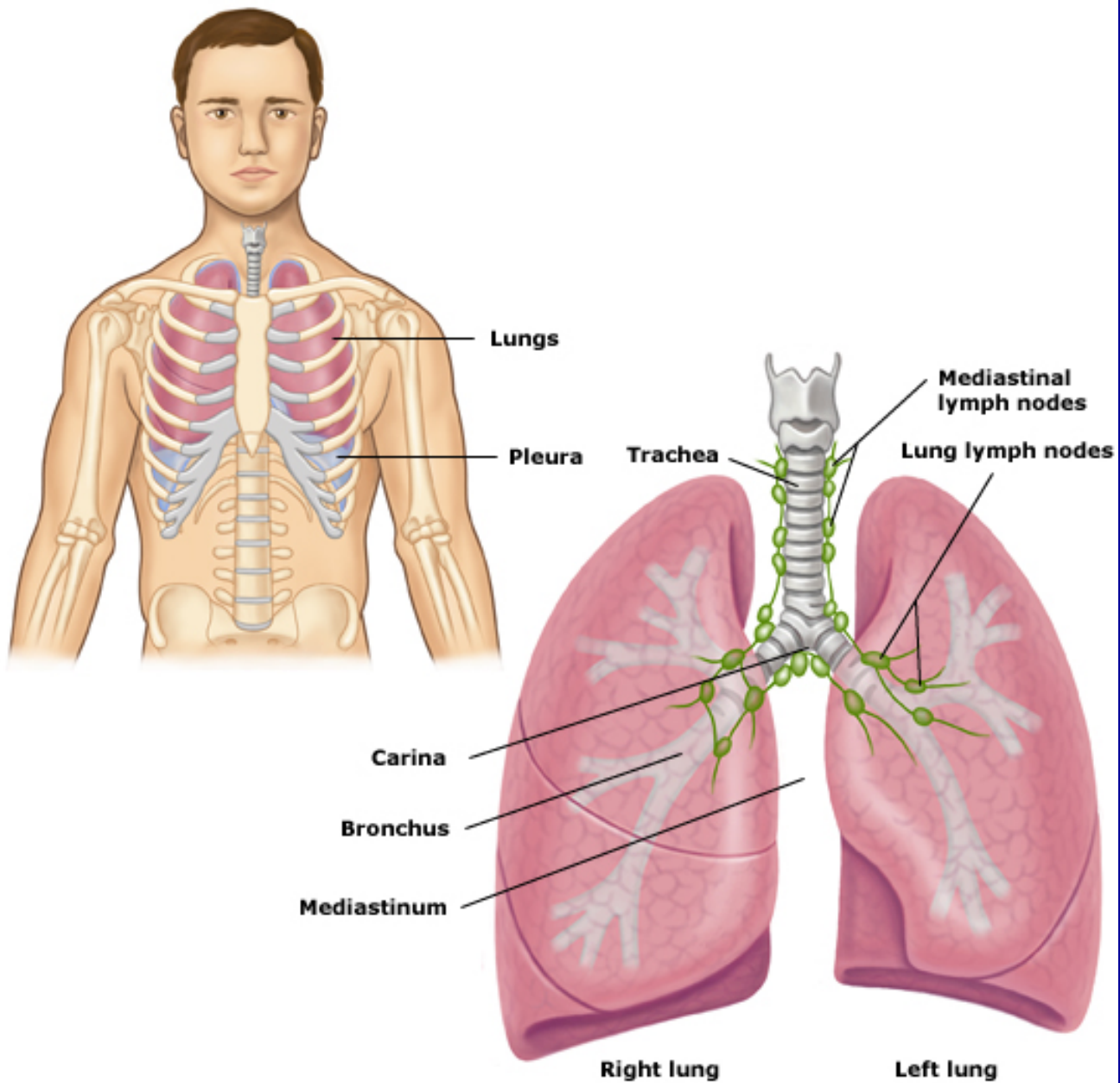
Bronchoscopy

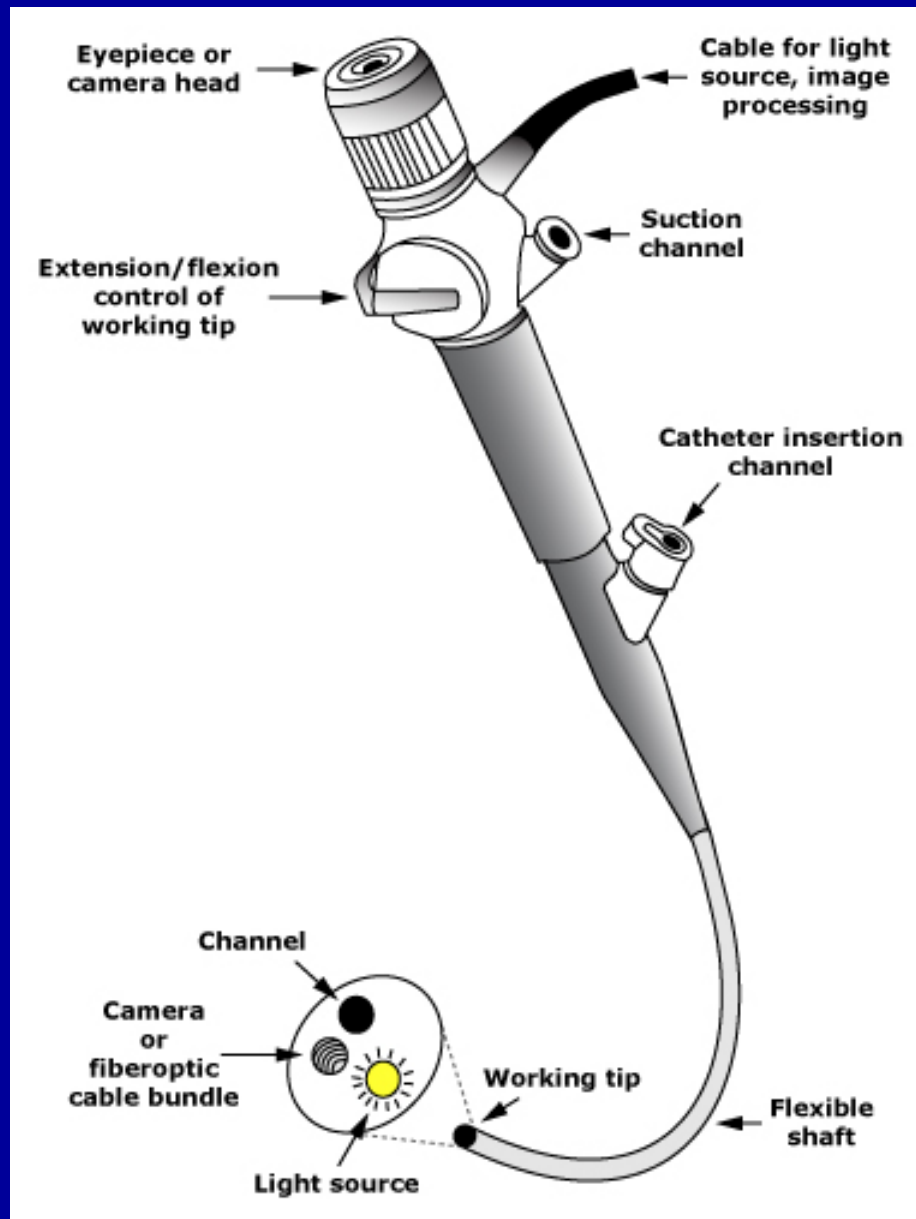
Endobronchial ultrasound

Electromagnetic navigation

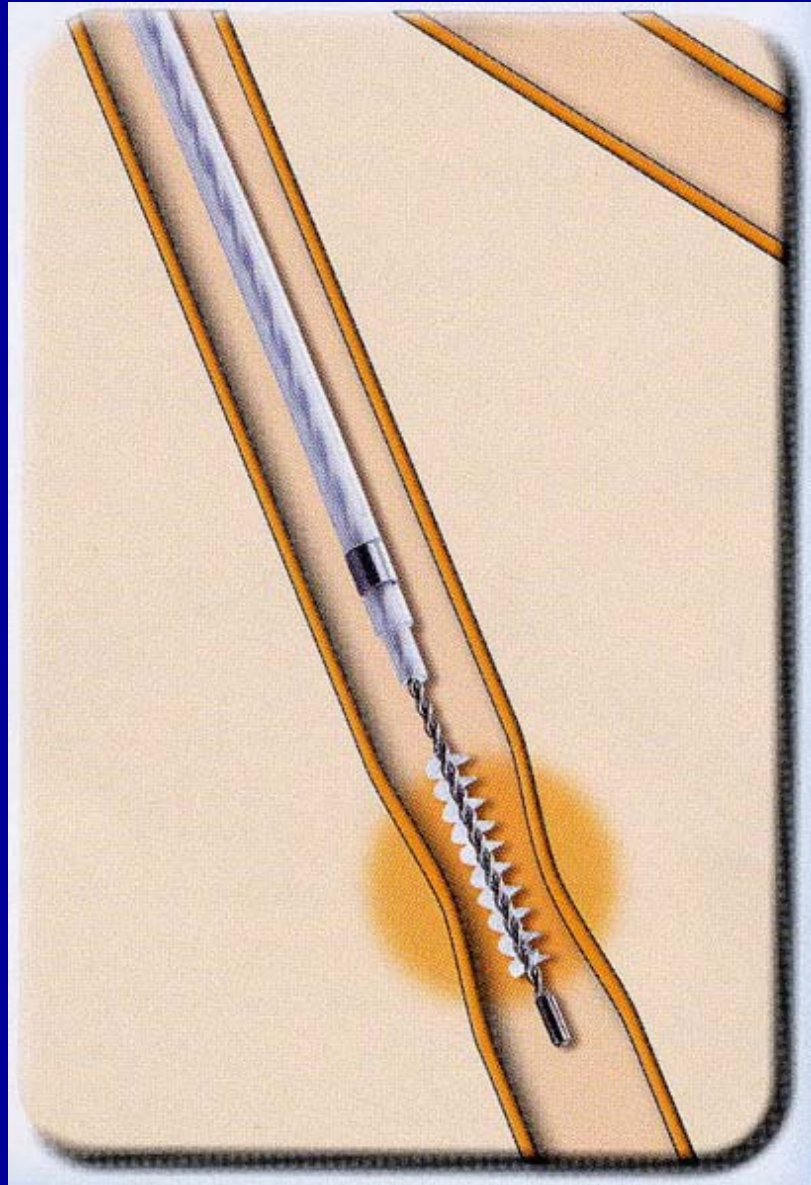
Needle biopsy

Surgical biopsy

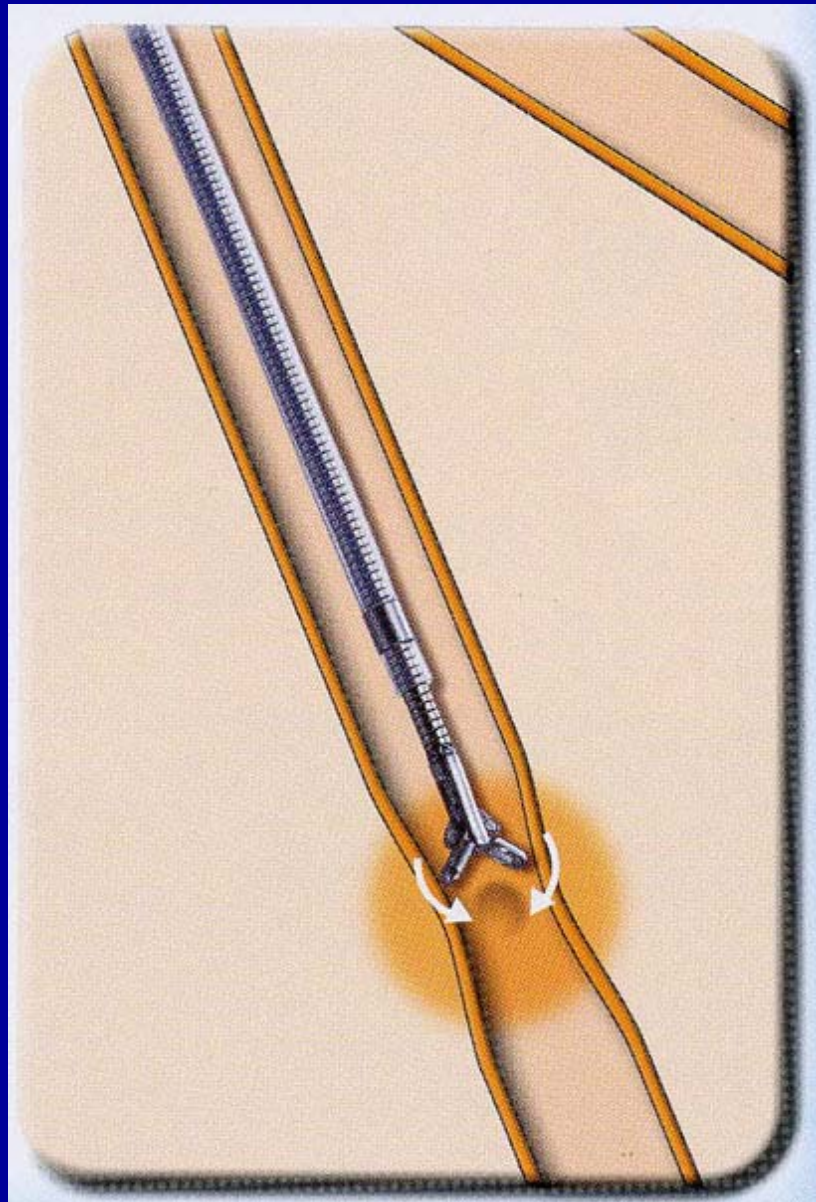




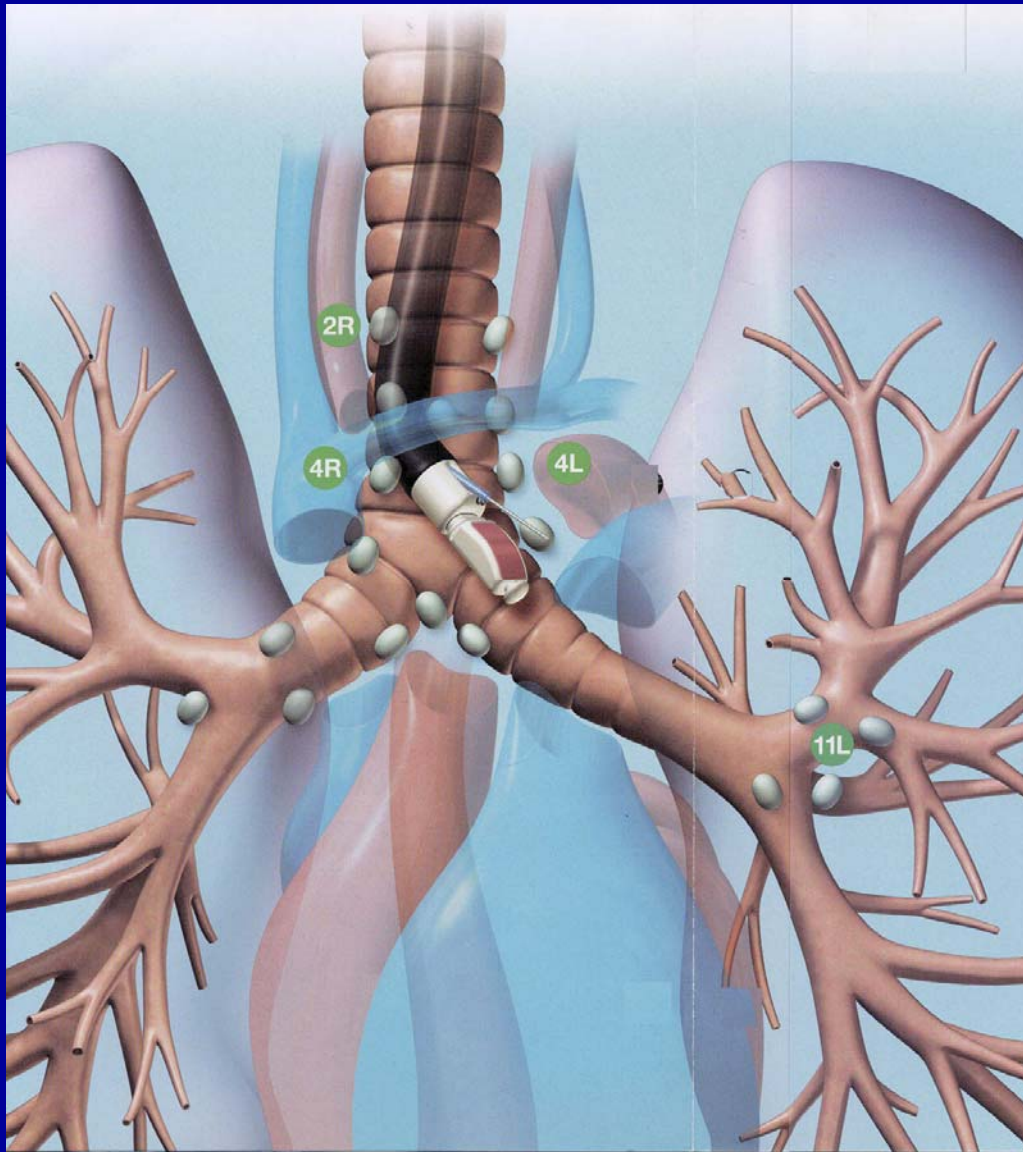
BRONCHOSCOPE



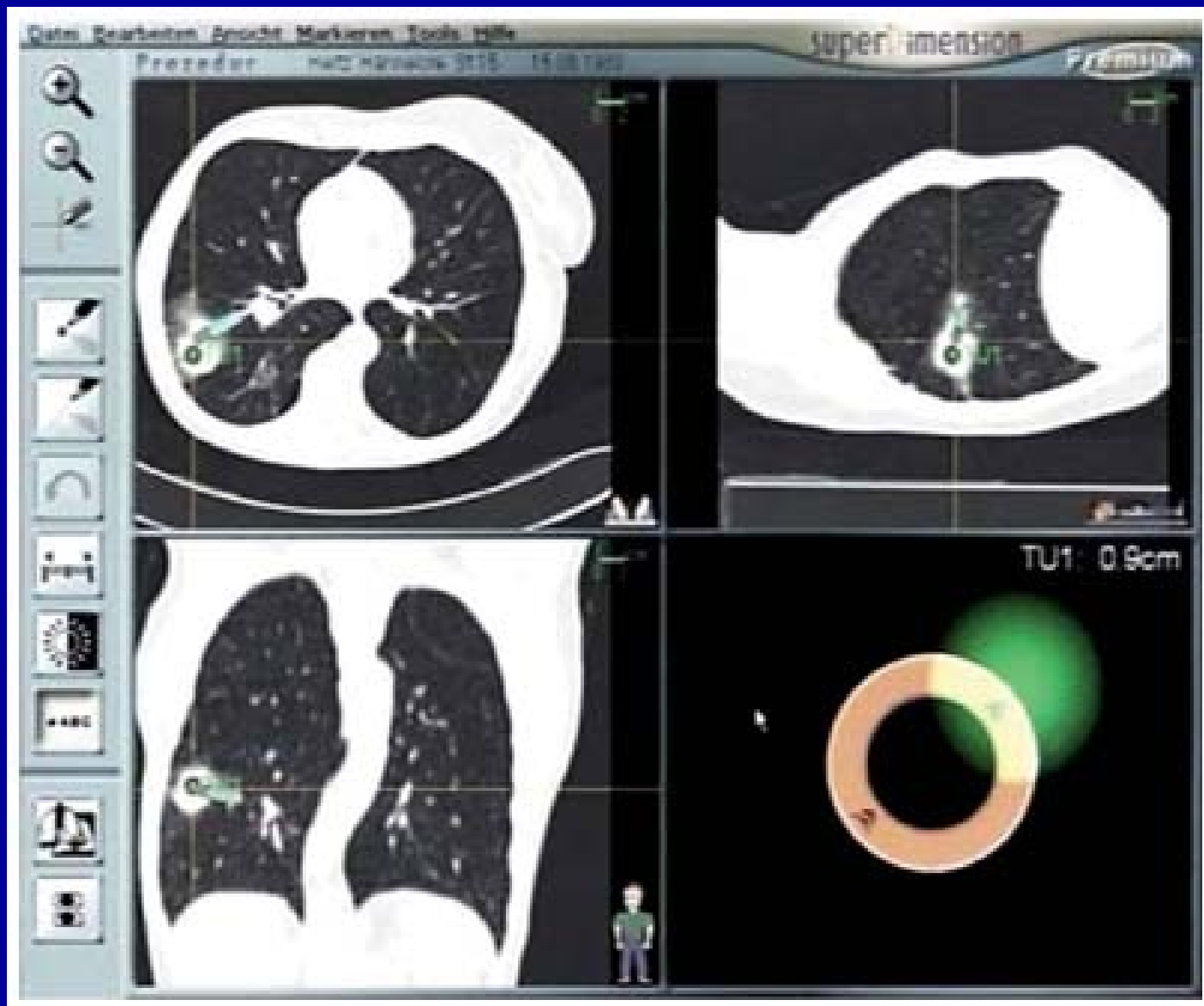
BRUSH



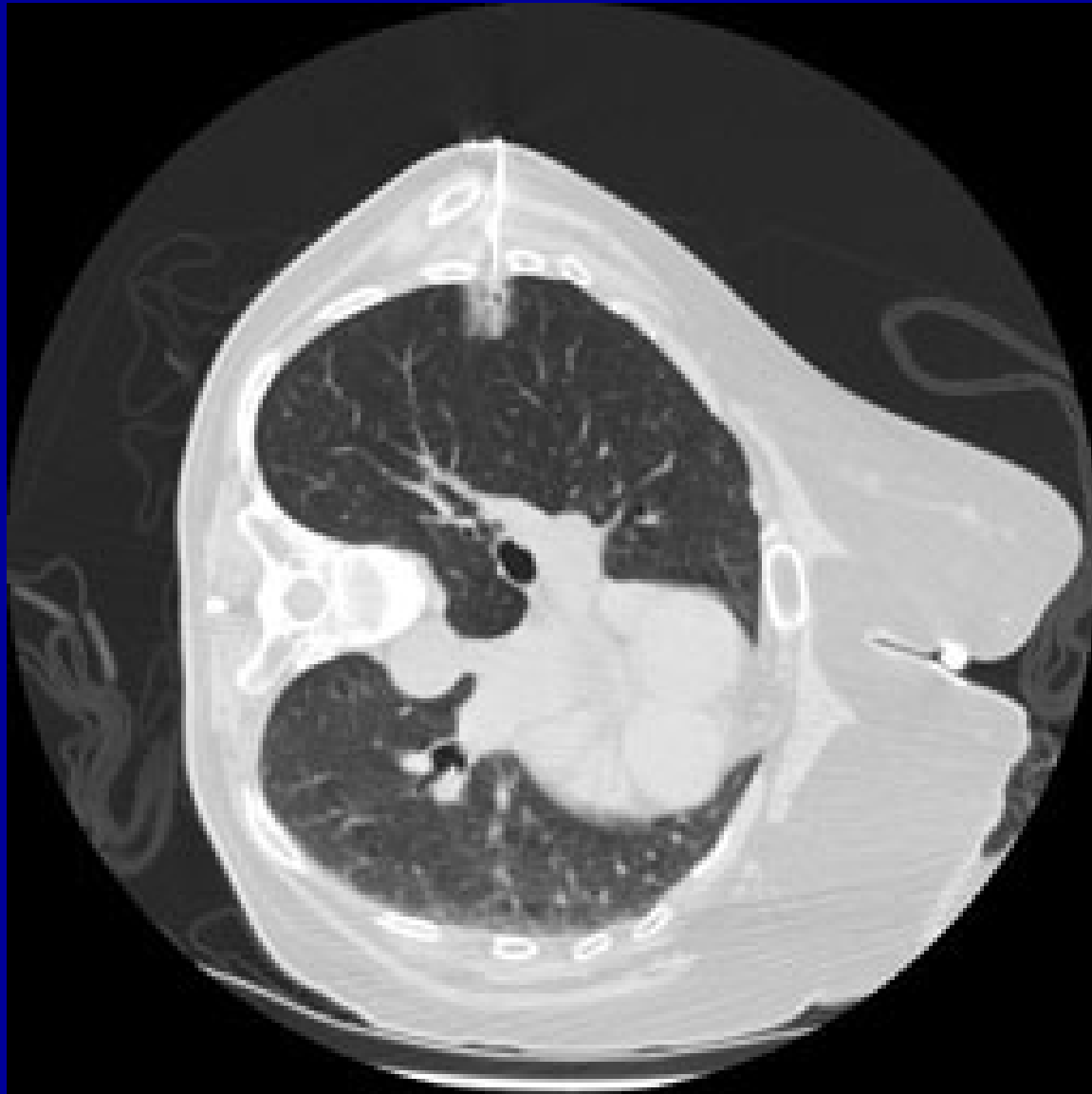
FORCEPS



ENDOBONCHIAL ULTRASOUND



Electromagnetic Navigation



NEEDLE BIOPSY

?Surgical Cure

Depends on cell type, limited spread, and ability of patient to undergo resection

Staging studies include PET, brain imaging

Ability to tolerate surgery depends on underlying lung function, cardiac reserve, and other medical problems

Cigarette Smoking

Accounts for 80-90% of lung cancers

Important to quit to minimize subsequent cancer risk, to decrease surgical and treatment risks

Resources

Alliance for Lung Cancer Advocacy,
Support, and Education (ALCASE)

800-298-2436

www.alcase.org

American College of Chest Physicians

800-343-ACCP

www.chestnet.org

Resources

American Cancer Society

800-ACS-2345

www.cancer.org

Cancer Care

800-813-4673

www.cancercare.org

Resources

Lungcancer.org

877-646-LUNG

www.lungcancer.org

National Cancer Institute

800-4-CANCER

www.cancer.gov