



LUNG SCREENING PACKAGE 1

Objectives:	Analyze the respiratory system to detect for <ul style="list-style-type: none"> ■ Neck cancers: thyroid and cancerous glands ■ Vocal cord anomalies: Atypical motion/tumors ■ infection: pneumonia, occult congestive heart failure ■ Pleural lesions: fluid, mesothelioma, missed rib fracture
Target areas covered:	<ul style="list-style-type: none"> ■ Neck ■ Chest wall + heart if indicated ■ Diaphragms including adjacent abdomen organs
Diagnostic Technology applied:	<ul style="list-style-type: none"> ■ Sonography + m-mode diaphragm motion analysis ■ Color Doppler ■ 3D Spectral Doppler ■ 4D Imaging <p>SONOGRAM CHEST WALL, NECK AND ABDOMEN Sonography can be performed in multiple scan planes with real time 3-D image analysis with power and spectral Doppler flows in minutes.</p> <p>SONOFLUOROSCOPY is performed in multiple scan planes with varying transducer frequencies of lung motion</p> <p>3D/4D IMAGE RECONSTRUCTION Prebiopsy planning of lesions that are suspicious and where biopsy is indicated by computer histogram analysis.</p> <p>SPECTRAL DOPPLER Search for hyperemia of any lesions. Power Doppler will show normal flows in the adjacent arteries/veins. Spectral flows will show normal triphasic waveforms. 3 D searches for suspicious lesion abnormalities and measures focal tumor vascularity to determine aggressive potential.</p>