

FEATURES OF SOFTWARE FOR IMAGING AND DENSITOMETRY OF INTRATHORACIC LYMPH NODES IN MULTISLICE COMPUTED TOMOGRAPHY

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Abstract

The article demonstrates that multislice computed tomography (CT) is the major tool for imaging and densitometry of intrathoracic lymphadenopathy due to high resolution, the possibility of obtaining thin sections, and speed of computer processing. It is necessary to consider the location and dimensions of lymphatic nodes because of their age and topical peculiarities. Software for imaging and densitometry of intrathoracic lymphadenopathy has its own characteristics, depending on task. For reliable assessment of lymphnode structure the density should be measured within fixed area. Mean, minimum, maximum and standard deviation of density should be indicated. This allows the primary differential diagnosis and helps to monitor changes throughout the treatment.

Key words: multislice computed tomography, software, densitometry, imaging, intrathoracic lymphadenopathy.

Ukr. Pulmonol. J. 2016; 1:53–56.

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