Computer-aided Diagnostic Systems: Detection, Characterization and Observation for Pulmonary Nodules (Literature Review)

V. S. Blinov*, 1, M. V. Kartashov2, N. A. Rubtsova3

1 Sverdlovsk Oncologic Dispensary, Ministry of Healthcare of Russia
2 Ural State Medical University, Ministry of Healthcare of the Russia, Yekaterinburg
3 Moscow Scientific Research Institute of Oncology named after P. A. Herzen, Ministry of Healthcare of Russia, Moscow

Abstract

The Article presents modern possibilities of application of the computer-aided diagnostic systems in the detection and differential diagnostics of pulmonary nodules. The experience of domestic and foreign experts in using the computer-aided diagnostic systems and methods of information presentation in the computer tomography are analyzed. The basic work stages of the computer-aided diagnostic systems and the factors influencing these stages are considered. Integration options of the computer-aided diagnostic systems and their role in thoracic radiology, within the limits of routine work of a radiologist are considered.

Key words: Computer-aided Diagnostic Systems, Computed Tomography, Lung Nodules.

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Authors

Blinov Vladislav Sergeevich, Radiologist, Department of Radiologic Diagnostics and Topographometric Training, Sverdlovsk Oncologic Dispensary Ministry of Healthcare of Russia.
Address: Soboleva ul., 29, Yekaterinburg, 620036, Russia.
Phone number: +7 (343) 356-15-13. E-mail: VladSBlinov@mail.ru

Kartashov Maksim Viktorovich, Ph. D. Med., Chair of Radiologic Diagnostics, Ural State Medical University, Ministry of Healthcare of Russia.
Address: Repina ul., 3, Yekaterinburg, 620014, Russia.
Phone number: +7 (343) 266-95-07. E-mail: mvkartashov@gmail.com

Rubtsova Natal'a Aleftinovna, M. D. Med., Chief of Radiology Department, Moscow Scientific Research Institute of Oncology named after P. A. Herzen, Ministry of Healthcare of Russia.
Address: 2nd Botkinsky proyezd, 3, Moscow, 125284, Russia.
Phone number: +7 (495) 945-86-47. E-mail: RNA17@yandex.ru