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(57) Abstract :

It is supplied both with a system and a technique for screening for lung cancer. The system consists of a database that stores structured patient information for a patient population and a domain knowledge base that stores information about lung cancer; an individual patient record; and a processor that is responsible for analyzing the patient record with data from the database to determine whether or not a patient has indications of lung cancer. The method includes the steps of inputting patient-specific data into a patient record; performing at least one lung cancer screening procedure on a patient, and inputting at least one result from at least one procedure into the patient record in a structured format. Finally, the method includes the step of analyzing the patient record with a domain knowledge base to determine whether or not the patient has indications of lung cancer.

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