

Established set of general parameters

General parameters for lung cancer detection it is characteristics of patient and the diagnosis methods with results.

Patient Characteristics

Initial patient characteristic, which can be got after first visit. Characteristics values based on visual inspection.

Patient characteristics:

Code of characteristic	Name of characteristic
C_G	Gender
C_S	Symptom
C_R	Risk factor

Values of patient characteristics:

Code of characteristic value	Name of characteristic value
C_G_1	Female
C_G_2	Male
C_S_1	Bone pain
C_S_2	Breathing changes
C_S_3	Change in a cough
C_S_4	Chest pain
C_S_5	Chest sign
C_S_6	Cough
C_S_7	Dyspnoea
C_S_8	Haemoptysis
C_S_9	Hoarseness
C_S_10	Shoulder pain
C_S_11	Weight loss
C_S_12	Enlarged neck lymph nodes
C_R_1	Chronic lung disease
C_R_2	Family history of lung cancer
C_R_3	Other cancer history
C_R_4	Previous radiation therapy
C_R_5	Professional exposure to radon, asbestos, silica

Code of characteristic value	Name of characteristic value
	or chromium
C_R_6	Age > 74 years
C_R_7	Age 50-54 years
C_R_8	Age 55-74 years
C_R_9	Smoking < 20 pack-year history
C_R_10	Smoking 20-30 pack-year history
C_R_11	Smoking > 30 pack-year history
C_R_12	Quit smoking less than 15 years ago
C_R_13	Second-hand smoking

Diagnostic Results

Values of diagnostic results:

Code of result value	Name of result value
R_N	Negative
R_P	Positive
R_1	Neck nodes
R_2	Atelectasis
R_3	Broncheal stenosis
R_4	Hilar enlargement
R_5	Mediastinal lymph nodes enlargement
R_6	Mediastinal widening
R_7	Peribronchial infiltration
R_8	Pleural fluid
R_9	Infiltration of lung parenchyma
R_10	Lung nodules
R_11	Lung mass
R_12	Pleural mass
R_13	Bone lesions
R_14	Pleural nodule
R_BR_1	Brain metastasis
R_BR_2	Meningeal metastasis
R_LSND_1	Ground glass nodule <5 mm
R_LSND_2	Ground glass nodule 5-9 mm
R_LSND_3	Ground glass nodule >9 mm
R_LSND_4	Solid nodule <4 mm
R_LSND_5	Solid nodule 4-6 mm
R_LSND_6	Solid nodule 6-8 mm
R_LSND_7	Solid nodule >8 mm
R_LSND_8	Several nodules <5 mm
R_LSND_9	Several nodules >=5 mm
R_LSND_10	Several solid with ground glass nodule
R_LSND_11	Solid part with ground glass nodule, when solid part <5 mm
R_LSND_12	Solid part with ground glass nodule, when solid

Code of result value	Name of result value
	part 5-7 mm
R_LSND_13	Solid part with ground glass nodule, when solid part >7 mm
R_LSND_14	Fat containing
R_LSND_15	Calcified
R_LSND_16	Growing nodule
R_LSND_17	No growing nodule

Diagnostic Methods

Diagnostic methods:

Diagnostic method code	Diagnostic method name
M_BPS	Biopsy or surgical resection
M_BSG	Bone scintigraphy
M_BRC	Bronchoscopy
M_CTG	Computed tomography
M_LCT	Low dose computed tomography
M_EBU	Endobronchial ultrasound
M_EUS	Endoscopic ultrasound
M_MRI	Magnetic resonance imaging
M_NUS	Neck ultrasound
M_PTG	Positron emission tomography (PET/CT)
M_TBA	Transbronchial needle biopsy
M_ULS	Ultrasound
M_XRY	X-ray
M_TTB	Transthoracic percutaneous needle biopsy under CT or other method guidance
M_VMS	Videoassisted mediastinoscopy
M_CMS	Cervical mediastinoscopy
M_VTS	Videoassisted thoracoscopy

Relations of methods and results:

Diagnostic method	Diagnostic result	
	Code	Name
M_BPS <i>Biopsy or surgical resection</i>	R_N	<i>Negative</i>
	D_MR	<i>Morphology</i>
M_BSG <i>Bone scintigraphy</i>	R_N	<i>Negative</i>
	D_MT_4	<i>M1b</i>
M_BRC <i>Bronchoscopy</i>	R_N	<i>Negative</i>
	D_MR	<i>Morphology</i>
	D_TN_2	<i>T1</i>

Diagnostic method	Diagnostic result	
	Code	Name
	D_TN_3	<i>T2</i>
	D_TN_4	<i>T3</i>
	D_TN_5	<i>T4</i>
	D_TN_6	<i>Tis</i>
M_CTG <i>Computed tomography</i>	R_N	<i>Negative</i>
	R_LSND_1	<i>Ground glass nodule <5 mm</i>
	R_LSND_2	<i>Ground glass nodule 5-9 mm</i>
	R_LSND_3	<i>Ground glass nodule >9 mm</i>
	R_LSND_4	<i>Solid nodule <4 mm</i>
	R_LSND_5	<i>Solid nodule 4-6 mm</i>
	R_LSND_6	<i>Solid nodule 6-8 mm</i>
	R_LSND_7	<i>Solid nodule >8 mm</i>
	R_LSND_8	<i>Several nodules <5 mm</i>
	R_LSND_9	<i>Several nodules ≥5 mm</i>
	R_LSND_10	<i>Several solid with ground glass nodule</i>
	R_LSND_11	<i>Solid part with ground glass nodule, when solid part <5 mm</i>
	R_LSND_12	<i>Solid part with ground glass nodule, when solid part 5-7 mm</i>
	R_LSND_13	<i>Solid part with ground glass nodule, when solid part >7 mm</i>
	R_LSND_14	<i>Fat containing</i>
	R_LSND_15	<i>Calcified</i>
	R_LSND_16	<i>Growing nodule</i>
	R_LSND_17	<i>No growing nodule</i>
	R_11	<i>Lung mass</i>
	R_5	<i>Mediastinal lymph nodes enlargement</i>
R_8	<i>Pleural fluid</i>	
R_9	<i>Infiltration of lung parenchyma</i>	
R_2	<i>Atelectasis</i>	
R_12	<i>Pleural mass</i>	

Diagnostic method	Diagnostic result	
	Code	Name
	R_13	<i>Bone lesions</i>
M_LCT <i>Low dose computed tomography</i>	R_N	<i>Negative</i>
	R_LSND_1	<i>Ground glass nodule <5 mm</i>
	R_LSND_2	<i>Ground glass nodule 5-9 mm</i>
	R_LSND_3	<i>Ground glass nodule >9 mm</i>
	R_LSND_4	<i>Solid nodule <4 mm</i>
	R_LSND_5	<i>Solid nodule 4-6 mm</i>
	R_LSND_6	<i>Solid nodule 6-8 mm</i>
	R_LSND_7	<i>Solid nodule >8 mm</i>
	R_LSND_8	<i>Several nodules <5 mm</i>
	R_LSND_9	<i>Several nodules ≥5 mm</i>
	R_LSND_10	<i>Several solid with ground glass nodule</i>
	R_LSND_11	<i>Solid part with ground glass nodule, when solid part <5 mm</i>
	R_LSND_12	<i>Solid part with ground glass nodule, when solid part 5-7 mm</i>
	R_LSND_13	<i>Solid part with ground glass nodule, when solid part >7 mm</i>
	R_LSND_14	<i>Fat containing</i>
	R_LSND_15	<i>Calcified</i>
	R_LSND_16	<i>Growing nodule</i>
	R_LSND_17	<i>No growing nodule</i>
	R_11	<i>Lung mass</i>
	R_5	<i>Mediastinal lymph nodes enlargement</i>
	R_8	<i>Pleural fluid</i>
	R_9	<i>Infiltration of lung parenchyma</i>
	R_2	<i>Atelectasis</i>
	R_12	<i>Pleural mass</i>
	R_13	<i>Bone lesions</i>
M_EBU	R_N	<i>Negative</i>

Diagnostic method	Diagnostic result	
	Code	Name
<i>Endobronchial ultrasound</i>	D_LN_1	<i>N0</i>
	D_LN_2	<i>N1</i>
	D_LN_3	<i>N2</i>
	D_LN_4	<i>N3</i>
	D_TN_2	<i>T1</i>
	D_TN_3	<i>T2</i>
	D_TN_4	<i>T3</i>
	D_TN_5	<i>T4</i>
M_EUS <i>Endoscopic ultrasound</i>	R_N	<i>Negative</i>
	D_LN_1	<i>N0</i>
	D_LN_2	<i>N1</i>
	D_LN_3	<i>N2</i>
	D_LN_4	<i>N3</i>
M_MRI <i>Magnetic resonance imaging</i>	R_BR_1	<i>Brain metastasis</i>
	R_BR_2	<i>Meningeal metastasis</i>
	R_BR_3	<i>Edema</i>
M_NUS <i>Neck ultrasound</i>	R_N	<i>Negative</i>
	R_P	<i>Positive</i>
M_PTG <i>Positron emission tomography (PET/CT)</i>	R_N	<i>Negative</i>
	R_P	<i>Positive</i>
M_TBA <i>Transbronchial needle aspiration</i>	R_N	<i>Negative</i>
	D_LN_1	<i>N0</i>
	D_LN_2	<i>N1</i>
	D_LN_3	<i>N2</i>
	D_LN_4	<i>N3</i>
	D_MR	<i>Morphology</i>
M_ULS	R_N	<i>Negative</i>

Diagnostic method	Diagnostic result	
	Code	Name
Ultrasound	R_P	Positive
	D_MT_4	M1b
M_XRY X-ray	R_N	Negative
	R_10	Lung nodules
	R_11	Lung mass
	R_5	Mediastinal lymph nodes enlargement
	R_6	Mediastinal widening
	R_8	Pleural fluid
	R_9	Infiltration of lung parenchyma
	R_2	Atelectasis
	R_12	Pleural mass
	R_13	Bone lesions
M_TTB Transthoracic percutaneous fine biopsy under CT guidance	R_N	Negative
	D_TN_1	T0
	D_TN_2	T1
	D_TN_3	T2
	D_TN_4	T3
	D_TN_5	T4
	D_MR	Morphology
M_VMS Videoassisted mediastinoscopy	R_N	Negative
	D_LN_1	N0
	D_LN_2	N1
	D_LN_3	N2
	D_LN_4	N3
	D_MR	Morphology
	D_MT_3	M1a
M_VTS Videoassisted thoracoscopy	D MT 3	M1a
	R_8	Pleural fluid

Diagnostic method	Diagnostic result	
	Code	Name
	R_14	<i>Pleural nodule</i>
	R_12	<i>Pleural mass</i>
M_CMS <i>Cervical mediastinoscopy</i>	R_N	<i>Negative</i>
	D_LN_1	<i>N0</i>
	D_LN_2	<i>N1</i>
	D_LN_3	<i>N2</i>
	D_LN_4	<i>N3</i>
	D_MR	<i>Morphology</i>