

Contents



1 Heart Failure

1

General	2	Redistribution	34
Heart Size	2	Interstitial Edema	36
Excursus: Radiographic Anatomy of the Heart	6	Alveolar Edema	38
Left Heart Enlargement	18	Resolution and Chronic Congestion	42
Left Ventricle	18	Right Heart Failure	44
Left Atrium	24	Right Atrial Enlargement	44
Right Heart Enlargement	26	Widening of the Vascular Band	44
Right Ventricle	26	Dilatation of the Azygos Vein	44
Right Atrium	28	Decreased Pulmonary Congestion	46
Left Heart Failure	32	CT Examination	46
Excursus: Pathophysiology	32	Review Cases	49



2 Bronchitis

59

General	60	Pulmonary Emphysema	78
Acute Bronchitis	64	“Acute Emphysema” (Volumen Pulmonum Auctum)	78
Chronic Bronchitis	66	Senile Emphysema	78
Bronchiolitis	72	Emphysema in the Strict Sense	80
Obstructive Form	72	Associated Phenomena	84
Proliferative Form	72	Special Cases	88
Bronchiectasis	74	Review Cases	91



3 Pneumonia

101

General	102	Tuberculosis	132
Alveolar Pneumonia	104	Primary Tuberculosis	134
Excursus: Alveolar Pattern	104	Miliary Tuberculosis	136
Lobar Pneumonia	108	Reactivation	138
Bronchopneumonia	116	Healing	140
Interstitial Pneumonia: Viral Pneumonia	122	Review Cases	143
Opportunistic Lung Infections	124		
<i>Pneumocystis carinii</i> Pneumonia	124		
Pulmonary Aspergillosis	128		



4 Bronchial Carcinoma

155

General	156	Peripheral Bronchial Carcinoma	174
Central Bronchial Carcinoma	158	Detection of Focal Lesions	174
Indirect Signs	158	Evaluation of Focal Lesions	180
Excursus: Hilar Anatomy	164	CT Staging	188
Simulated Central Bronchial Carcinoma	168	Alveolar Cell Carcinoma	190
Direct Signs	172	Review Cases	193



5 Fibrosing Lung Disease

203

General	204	Pneumoconiosis	222
Idiopathic Pulmonary Fibrosis	208	General	222
Acute Interstitial Pneumonia, Hamman–Rich Disease	212	Silicosis	228
Differential Diagnosis of Idiopathic Pulmonary Fibrosis	212	Asbestosis	232
Sarcoidosis	214	Extrinsic Allergic Alveolitis	234
Hilar Involvement (Stage I)	216	Radiation Pneumonitis and Fibrosis	238
Pulmonary Involvement (Stage II)	218	Drug-Induced and Pressure-Induced Fibrosis	240
Fibrosis (Stage III)	220	Review Cases	243



6 Pleura

251

General	252	Pleural Masses	268
Pleural Effusion	258	Pleural Mesothelioma	270
Excursus: Costophrenic Angle on the Lateral Film	260	Review Cases	273
Pneumothorax	264		
Mediastinal Emphysema	266		
Tension Pneumothorax	266		

Index

281