

---

# Contents

## Epidemiology, biology and pathology

1	Molecular and Cell Biology of Lung Carcinoma . . . . .	3
	W. A. FRANKLIN, F. R. HIRSCH	
2	Clinically Useful Biomarkers . . . . .	29
	J.-L. PUJOL, W. JACOT, J.-M. BOHER, X. QUANTIN	
3	Pathology of Lung Cancer . . . . .	39
	E. BRAMBILLA, W. TRAVIS	
4	The Epidemiology of Lung Cancer . . . . .	57
	K. M. DINEEN, G. A. SILVESTRI	
5	Lung Cancer and Tobacco: Historical Issues, Epidemiology, and Intervention . .	77
	T. P. HOUSTON	
6	Professional Risks and Environmental Factors . . . . .	91
	P. BOFFETTA	

## Early Detection, Diagnosis and Staging

7	Radiologic Screening for Lung Cancer . . . . .	103
	C. I. HENSCHKE, D. F. YANKELEVITZ	
8	Lung Cancer Screening: the Role of Bronchoscopy . . . . .	111
	J. A. NAKHOSTEEN, V. NINANE	
9	Clinical Presentation of Lung Cancer . . . . .	119
	G. A. MASTERS, K. OH	
10	Differential Diagnosis . . . . .	131
	N. SCHOENFELD	
11	Imaging . . . . .	139
	T. BERGHMANS, J. BOSMANS	
12	PET Scan . . . . .	151
	J. F. VANSTEENKISTE, S. G. STROOBANTS	
13	Pathological Diagnosis . . . . .	161
	V. NINANE	
14	Mediastinal Staging . . . . .	171
	G. MASSARD	
15	Assessment of Operability and Resectability in Lung Cancer . . . . .	179
	W. A. FRY	

16	TNM Staging . . . . .	183
	M. J. LIPTAY, C. MASCAUX, J.-P. SCULIER	

## Treatment

### Non-Small Cell Lung Cancer

17	Surgery for Non-Small Cell Lung Cancer . . . . .	191
	R. RAMI-PORTA, M. SERRA-MITJANS	
18	Neoadjuvant Treatments in Resectable Non-Small Cell Lung Cancer . . . . .	205
	V. WESTEEL, A. DEPIERRE	
19	Adjuvant Treatments in Resectable NSCLC . . . . .	215
	H. DOUBRE, C. LE PECHOUX, T. LE CHEVALIER	
20	Exclusive Radiotherapy . . . . .	227
	D.G. PAYNE	
21	Combined Modality Therapy for Unresectable Non-Small Cell Lung Cancer . . . . .	237
	L. J. HAZARD, W. T. SAUSE	
22	Chemotherapy for Advanced Non-Small Cell Lung Cancer . . . . .	253
	T. BERGHMANS, J.-P. SCULIER	
23	Salvage Therapy in Non-Small Cell Lung Cancer . . . . .	265
	E. QUOIX, B. MENNECIER	

### Small Cell Lung Cancer

24	Small Cell Lung Cancer: Limited Disease . . . . .	277
	P. VAN HOUTTE, M. ROELANDTS, M. CAPPELLO, F. MORNEX	
25	Small Cell Lung Cancer: Treatment for Extensive Stage Disease . . . . .	287
	N. H. HANNA, L. H. EINHORN	
26	Surgery for Small Cell Lung Cancer . . . . .	303
	J.-P. SCULIER, P. LOTHAIRE, T. BOSSCHAERTS, V. NINANE	
27	Prophylactic Cranial Irradiation . . . . .	307
	A.-P. MEERT, M. PAESMANS	
28	Salvage Therapy in Small Cell Lung Cancer . . . . .	313
	E. F. SMIT, P. E. POSTMUS	

## Other Treatments

29	Endoscopic Treatments . . . . .	321
	H. KATO, N. IKEDA, T. OKUNAKA, K. FURUKAWA, M. TSUBOI	
30	Biological Treatments for Lung Cancer . . . . .	333
	S. SINGHAL, J. B. SHRAGER, L. R. KAISER	

## Complications and Supportive Care

31	Bone Marrow Aplasia . . . . .	353
	T. BERGHMANS, J.-P. SCULIER	
32	Management of Superior Vena Cava Syndrome . . . . .	361
	N. PEREZ, C. H. MARQUETTE, J. P. BEREGLI, D. COLLET, J.-J. LAFITTE	
33	Complications and Supportive Care: Airway Obstruction . . . . .	367
	R. M. HUBER, D. STRATAKIS	
34	Malignant Pleural Effusion . . . . .	375
	P. VAN SCHIL	
35	Symptomatic Treatment in Lung Cancer . . . . .	383
	M. F. MUERS	
36	End-of-Life Care in Patients with Lung Cancer . . . . .	393
	J. H. VON ROENN, J.F. BRANDMAN	

## Prognosis

37	Prognostic Factors in Non-Small Cell Lung Cancer . . . . .	405
	M. I. QUEJADA, K. S. ALBAIN	
38	SCLC – Prognosis . . . . .	423
	M. PAESMANS	

<b>Subject Index</b> . . . . .	433
--------------------------------	-----



<http://www.springer.com/978-3-540-43887-8>

Malignant Tumors of the Lung  
Evidence-based Management  
Sculier, J.-P.; Fry, W. (Eds.)  
2004, XIII, 442 p., Hardcover  
ISBN: 978-3-540-43887-8