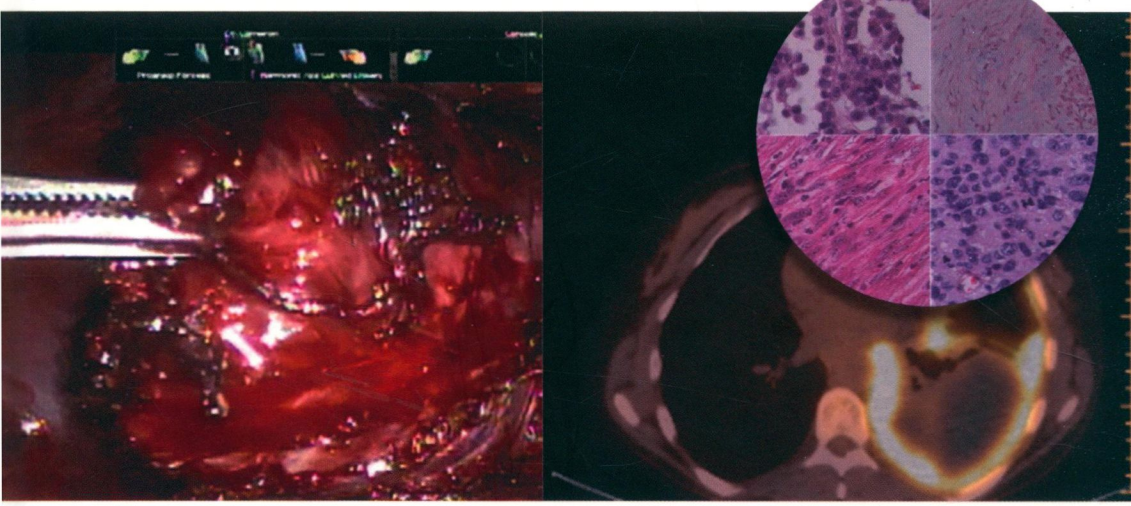
MODERN THORACIC ONCOLOGY

Volume 2 : Trachea, Lung, and Pleura



Robert B. Cameron • Diana Lin Gage • Olga Olevsky Editors

World Scientific

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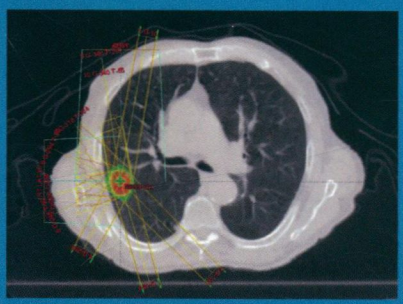

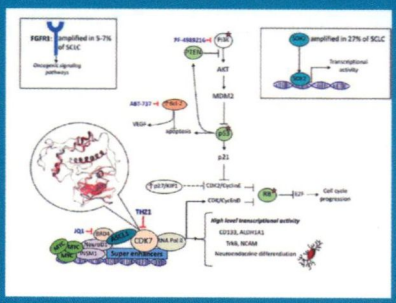

Medicine has become highly specialized so that thoracic oncology is no longer a subspecialty of medical oncology or thoracic surgery. The field of Thoracic Oncology is a specialized area within oncology which is rapidly evolving, making it difficult to provide comprehensive, up to date textbooks. Overcoming these challenges, this three-volume set has recruited international experts to write concise, focused sections about their areas of specialization.

Comprehensive discussions about the basics of thoracic oncology and each specific tumor are discussed in detail in terms of biology, presentation, staging, pathology, treatments, including surgery, radiation, chemotherapy, as well as targeted/gene therapies and their complications. At present, *Modern Thoracic Oncology* is the only concise and comprehensive book that includes all chest malignancies.

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Volume 2

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MODERN THORACIC ONCOLOGY

Volume 2 : Trachea, Lung, and Pleura

Foreword

Thoracic oncology includes the treatment of cancers of the lung/trachea, pleura, esophagus, mediastinum, and chest wall. Over the past two decades, therapy for this group of malignancies has evolved into a highly complex oncologic subspecialty. Elaborate multimodality treatment regimens utilizing biologics, chemotherapy, radiation, and surgery are now the rule rather than the exception. Furthermore, many existing complex therapies recently have become even more complicated by the introduction of *personalized care*. As our knowledge of cancer genetics and biology grows, the elaborate therapy webs promises to become even more intricate and challenging to comprehend. The rapidity with which our field of thoracic oncology is evolving is truly staggering. The need for a comprehensive thoracic oncology book to keep clinicians, be it pulmonologists, pathologists, radiologists, surgeons, medical oncologists, radiation oncologists, or gastroenterologists, up to date is paramount. Yet such books recently have not been forthcoming. One major obstacle to the production of an up-to-date thoracic oncology book is the traditionally slow production timeline compared to the current rapid pace of change in the field. We have attempted to overcome this hurdle by recruiting world expert authors for each specific and concise topic in thoracic oncology, (many of which together comprise a traditional book "chapter") so that the information contained in each section can be reviewed, published, and updated rapidly — thereby keeping this book, *Modern Thoracic Oncology*, relevant and current. Whether one desires information regarding lung cancer screening, esophageal cancer staging, mutational analysis, targeted therapies, stereotactic ablative radiation with real-time imaging, minimally-invasive and robotic surgery, combination immunotherapy, microwave/cryoablation, or methods of early cancer detection, we have endeavored to encompass all of the latest information in the field

of thoracic oncology. With frequent future updates, we hope that this ambitious reference book will become your sourcebook for thoracic oncology.

We are indebted to the many national and international contributors for their thoughtful efforts. We also wish to acknowledge the staff at World Scientific Publishing for their help in producing the first edition of *Modern Thoracic Oncology*.

We are eternally grateful to our families, Betty, Cristina, Brian, Michael, and Angela Cameron; Will and Naomi Gage, Sam and Jennifer Lin; Emanuil and Leeza Olevsky, Roger Gillespie, Tony and Timmy Shar.

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January 2018

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