

ANESTHESIA AND THE LUNG 1992

DEVELOPMENTS IN
CRITICAL CARE MEDICINE AND ANESTHESIOLOGY

Volume 25

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ANESTHESIA AND THE LUNG 1992

edited by

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PREFACE

Theodore H. Stanley, M.D.

Anesthesia and the Lung 1992 contains the Refresher Course manuscripts of the presentations of the 37th Annual Postgraduate Course in Anesthesiology which took place at the Cliff Conference Center in Snowbird, Utah, February 28 - March 3, 1992. The chapters reflect recent advances in the diagnosis, pre-, intra-, and postoperative anesthetic management of patients with lung disease, presenting for pulmonary and non-pulmonary surgery. They also deal with ventilation-perfusion issues, the lung as a metabolic organ, the effects of anesthesia on pulmonary mechanics and pulmonary blood flow. In addition, there are chapters that focus around hypoxia; regional differences in the lung; pulmonary surfactant; recent advances in the understanding of pulmonary edema; high altitude disease; anesthesia and the control of breathing; recent development in oximetry; instrumentation designed to measure pulmonary oxygen tension, PO₂ and PCO₂ transcutaneously; differential lung ventilation; reactive airways; septic shock; the adult respiratory distress syndrome and numerous aspects of ventilatory support. The purposes of the textbook are to 1) act as a reference for the anesthesiologists attending the meeting, and 2) serve as a vehicle to bring many of the latest concepts in anesthesiology to others within a short time of the formal presentation. Each chapter is a brief but sharply focused glimpse of the interests in anesthesia expressed at the conference. This book and its chapters should not be considered complete treatises on the subjects addressed but rather attempts to summarize the most salient points. This textbook is the tenth in a continuing series documenting the proceedings of the Postgraduate Course in Salt Lake City. We hope that this and the past and future volumes reflect the rapid and continuing evolution of anesthesiology in the late twentieth century.

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