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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Altered Histone Deacetylase Activity and iNOS Expression in Cells Isolated from Induced Sputum of COPD Patients Treated with Tiotropium -- Involvement of NF-B and Muscle Specific E3 Ubiquitin Ligase MuRF1 in Cigarette Smoke-Induced Catabolism in C2 Myotubes -- Siglec-8 in Induced Sputum of COPD Patients -- Essential Amino Acid Leucine and Proteasome Inhibitor MG132 Attenuate Cigarette Smoke Induced Catabolism in C2 Myotubes -- Smoking Denial in Cardiovascular Disease Studies -- Differential Effects of Kainic Acid Lesions in Medullary Raphe on Cough and Sneeze in Anesthetized Rabbits -- Detection of Chlamydophila Pneumoniae Antigens in Patients with Chronic Cough -- Antioxidant Activity of Herbal Polysaccharides and Cough Reflex -- Cytoglobin and Neuroglobin in the Human Brainstem and Carotid Body -- Flow Cytometry in the Diagnosis of Influenza -- Accuracy of Rapid Influenza Detection Test in Diagnosis of Influenza A and B Viruses in Children less than 59 Months Old -- Virological Monitoring of Influenza Activity and Influenza-Like Illness in the Epidemic Season 2011-2012 in Poland -- Incidence of Chlamydophila Pneumoniae Infection in Children during 2007-2010 --

Clinical Features and Outcomes of Influenza A and B Infections in Children -- Respiratory Complications in Children Hospitalized with Varicella -- Hyponatremia in Children Hospitalized Due to Pneumonia -- In Vitro Sensitivity of Acinetobacter Baumannii and Pseudomonas Aeruginosa to Carbapenems among Intensive Care Unit Patients -- Prevalence of Acute Respiratory Tract Diseases among Soldiers Deployed For Military Operations in Iraq and Afghanistan -- In Vitro Susceptibility of Staphylococci and Enterococci to Vancomycin and Teicoplanin -- Sinusitis in People Living in the Medieval Ages -- Immunization Coverage against Capsular Bacteria in Splenectomized Patients -- Umbilical Cord Blood Gas Content, Postnatal State of Neonates, and Lactation after Caesarean and Natural Childbirth -- Respiratory Function in Pregnant Women -- Lung Function in Patients with Gastro-Esophageal Reflux Disease and Respiratory Symptoms -- Efficacy of Noninvasive Mechanical Ventilation in Obese Patients with Chronic Respiratory Failure -- Near-Infrared Hemoencephalography for Monitoring Blood Oxygenation in Prefrontal Cortical Areas in Diagnosis and Therapy of Developmental Dyslexia -- Occlusal Stabilization Splint Therapy in Orofacial Pain and Tension-Type Headache -- Dynamics of Upper Airways during the Müller Maneuver in Healthy Subjects: A Cine MRI study -- EMG Analysis of Human Inspiratory Muscle Resistance to Fatigue during Exercise -- Assessment of Temporomandibular Joint Disease -- Spirometry Day: A means to Enhance Social Knowledge on Respiratory Diseases -- Lung Function in Divers -- Influence of Traffic-Related Air Pollutants on Lung Function -- Fractional Exhaled Nitric Oxide in Clinical Trials: An Overview -- Real-Time Breath Analysis in Type 2 Diabetes Patients during Cognitive Effort -- Exhaled Nitric Oxide in Specific Inhalation Challenge -- Integration of Simulated Multipotential Signals: The Role of Integration Window Width and of the Number of Spikes -- Functional and Topographic Concordance of Right Atrial Neural Structures Inducing Sinus Tachycardia -- Occurrence of Disseminated Intravascular Coagulation in 2,3,7,8-Tetrachlorodibenzo-p-Dioxin-Induced Pneumonia in the Rat -- Implementation of Non-Invasive Methods in the Diagnosis of Diisocyanate-Induced Asthma -- Evaluation of a 4-Steps-1-Day Whole Body Challenge Protocol for the Diagnosis of Occupational Asthma Due to Diisocyanates -- Occupational Allergic Respiratory Diseases in Garbage Workers: Relevance of Molds and Actinomycetes -- Th1, Th2, Th17, and Regulatory Cytokines in Children with Different Clinical Forms of Allergy -- Soluble Receptor for Urokinase Plasminogen Activator in Community-Acquired Pneumonia in Children -- Hypersensitivity Pneumonitis due to Metalworking Fluids: How to Find the Antigens -- Angiogenic Axis Angiopoietin-1 and Angiopoietin-2/Tie-2 in Non-Small Cell Lung Cancer: A Bronchoalveolar Lavage and Serum Study -- Cancer Incidence in Pulmonary Vasculitis -- Influence of Delays in Diagnosis and Treatment on Survival in Small Cell Lung Cancer -- Familial Idiopathic Pulmonary Fibrosis -- High Resolution Computed Tomography in 2-Year Follow-Up of Stage I Sarcoidosis -- Altruistic Aptitude: Age-Dependent Influence of Temperament and Emotional Intelligence -- Effect of Socio-Economic Status on Quality of Life in People Affected with Respiratory Allergy -- Exposure to Paracetamol and Antibiotics in Early Life and Elevated Risk of Asthma in Childhood -- Health Behaviors and Quality of Life among Patients with Chronic Respiratory Disease -- Attitudes toward Euthanasia Among Polish Physicians, Nurses and People Who Have no Professional Experience with the Terminally Ill -- Death as a Result of Violent Asphyxia in Autopsy Reports -- Respiratory and Systemic Infections in Children with Severe Aplastic Anemia on Immunosuppressive Therapy.

Respiration is a field of the scientific study that undergoes fast developments. A better understanding of the cellular and neural mechanisms underlying respiratory disorders and lung function is essential for the use of the evidence-based therapy and for optimizing the patient care and prophylactic measures. This book provides a comprehensive update on the basic and clinical respiratory research, and on the detection and management of respiratory pathologies. The molecular signaling lies at the base of the pathophysiology of the respiratory system and therapeutic interventions. The neurobiological studies have just started to unravel the complexities of how the molecular signals are translated into respiratory regulation in health and disease. This book helps translate non-clinical findings into clinical applications. It provides diagnostic tips that help the clinician in qualified decision making and describes novel biomarkers that facilitate diagnosis. The book also tackles the importance of the knowledge of the psychosomatic background of disease in getting the optimal patient outcome. The interventional epidemiological studies included in the book correspond to translational medicine that encompasses the basic and social sciences with the goal to improve the health and quality of life. The chapters presented in the book describe the findings of original studies, which were thoughtfully planned and executed in a controlled manner. The book satisfies a requirement for staying abreast of the latest developments in both scientific and clinical sides of respiratory neurobiology. The book will be an enduring base of reference in the field of respiration for years to come. This book is a required text for respiratory scientists, neuropathologists, and for clinicians searching for 'bench-to-bedside' treatments of respiratory disorders.
