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Nota di contenuto	Cover; Asthma; Copy Right; Dedication; Contents; Foreword; Preface; Contributors; Section one Immunologic; 1. Hypersensitivity pneumonitis; 2. Antineutrophil cytoplasmic antibody-positive vasculitis; 3. Allergic bronchopulmonary aspergilliosis; 4. Immunodeficiency: innate,primary, and secondary; Section two Pulmonary; 5. Sleep apnea in children and the upper airway; 6. Asthma and obstructive sleep apnea; 7. Chronic obstructive pulmonary disease and irreversible airflow obstruction; 8. Bronchiectasis; 9. Bronchiolitis; 10. Genetic disorders and asthma; 11. Other pulmonary abnormalities 12. Pneumonia 13. Cough; 14. Occupational asthma; Section three Cardiac and cardiovascular; 15. Adult cardiac conditions; 16. Pediatric cardiac conditions; 17. Pulmonary hypertension; Section four upper/extrathoracic airway; 18. Allergic rhinitis; 19. Nonallergic rhinopathies and lower airway syndromes; 20. Infectious comorbidities of asthma in the upper airway; 21. Nasal polyps and chronic rhinosinusitis; 22. Vocal cord dysfunction and paradoxical vocal fold motion disorder; Section five Gastrointestinal; 23. Gastroesophageal

reflux; Section six Metabolic; 24. Obesity and asthma  
25. Endocrine disorders 26. Osteopenia and osteoporosis; 27.  
Pregnancy; Section seven Psychological issues; 28. Psychological  
factors; 29. Asthma, substance abuse, and tobacco use; Section eight  
Exercise; 30. Exercise-induced bronchoconstriction and asthma;  
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### Sommario/riassunto

Asthma sufferers number approximately 200 million worldwide, with 15-20 million of those in the United States. Multiple comorbid conditions occur with asthma, including rhinitis, rhinosinusitis, gastroesophageal reflux disease, sleep apnea, vocal cord dysfunction syndrome, obesity, and chronic obstructive pulmonary disease (COPD). Without identifying and caring for comorbid conditions, asthma cannot be treated appropriately. Comorbidity of allergic diseases emphasizes that we must understand more about why different organs in individuals express allergy and others do not. The increase in multi

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