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Nota di contenuto	Overcoming Steroid Insensitivity in Respiratory Disease; Contents; List of Contributors; Preface; 1 Molecular Mechanisms of Glucocorticoid Receptor Action; 1.1 Introduction; 1.2 Glucocorticoid Receptor; 1.3 Gene Induction by GR; 1.4 GR Transactivation and Histone Acetylation; 1.5 Post-translational Modifications of GR; 1.6 Repression of NF-B-induced Inflammatory GeneExpression by GR-NF-B; 1.7 GR-NF-B Cross-talk; 1.8 Role of HDAC2 in Glucocorticoid Function; 1.9 Overexpression of HDAC2 Restores Glucocorticoid Sensitivity in Alveolar Macrophages 1.10 Acetylation of hsp90 and Regulation of GR Function 1.11 Other Mechanisms of GR Action; 1.12 Conclusions; 2 Side Effects of Topical and Oral Glucocorticoids; 2.1 Introduction; 2.2 Glucocorticoid-induced Side Effects; 2.3 Summary; 3 Glucocorticoid Receptor Subtypes and Steroid Sensitivity; 3.1 Introduction; 3.2 Overview of Classic GR Function; 3.3 GR Subtypes Arising from Alternative Splicing; 3.4 GR Subtypes arising from Alternative Translation Initiation; 3.5

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4.2 Asthma and Chronic Obstructive Pulmonary Disease are Chronic
Inflammatory Diseases of the Airways 4.3 Regulation of Inflammatory
Gene Expression; 4.4 Effects on Inflammation; 4.5 Mechanisms of
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talk with Other Nuclear Receptors and Coactivators; 4.8 Overcoming
Steroid Insensitivity; 4.9 Glucocorticoid-sparing Approaches to Anti-
inflammatory Therapy; 4.10 Conclusion; 5 Generalized Glucocorticoid
Insensitivity: Clinical Phenotype and Molecular Mechanisms; 5.1
Introduction; 5.2 Molecular Mechanisms of Glucocorticoid Resistance
5.3 Conclusions 6 Corticosteroid Responsiveness in Asthma: Clinical
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Pharmacokinetics of Systemic CS in Severe Asthma; 6.9 CS
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8 Cigarette Smoke, Oxidative Stress and Corticosteroid Responsiveness;
8.1 Oxidative Stress; 8.2 Cigarette Smoke/Oxidative Stress-InducedNF-
 κ B-mediated Pro-inflammatory Gene Expression; 8.3 Histone
Acetylation and Deacetylation; 8.4 Corticosteroids; 8.5 Histone
Deacetylases; 8.6 Reversing Glucocorticoids / Corticosteroid Resistance
8.7 Conclusion

Sommario/riassunto

Written by well-known experts in field, this is the first book dedicated to dealing with the single most challenging management issue in long-term steroid therapy. Overcoming Steroid Insensitivity in Respiratory Disease reviews important new advances in therapeutics and provides the clinician with the most up to date information on one of the most significant therapeutic challenges to effective management of these diseases. This unique book is an invaluable resource for all postgraduate students and specialist physicians in pulmonology allergy and asthma. It is also of interest
