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Nota di contenuto	HIGH-DENSITY LIPOPROTEINS; CONTENTS; PREFACE; ACKNOWLEDGMENTS; ABBREVIATIONS; SECTION 1 NORMAL FUNCTIONAL HIGH-DENSITY LIPOPROTEIN; 1 COMPOSITION; 1.1 Proteome; Apolipoproteins; Apolipoprotein A-I; ApoA-II; ApoA-IV; ApoA-V; ApoC-I, ApoC-II, ApoC-III, ApoC-IV; ApoD; ApoE; ApoF; ApoH; ApoJ; ApoL-I; ApoM; Other Apolipoproteins; Enzymes; LCAT; PON1 and PON3; PAF-AH (LpPLA2); GSPx-3; Lipid Transfer Proteins; PLTP; CETP; Acute-Phase Response Proteins; Serum Amyloid A; Other Proteins; Complement Components; 1.2 Lipidome PhospholipidsSteroids; Cholesteryl Esters; Triglycerides; Minor Lipids; 2 HETEROGENEITY; 2.1 Heterogeneity in Physicochemical Properties; Heterogeneity in Density; Heterogeneity in Electrophoretic Mobility; Heterogeneity in Size; 2.2 Heterogeneity in Chemical Composition; Heterogeneity in Proteins; Heterogeneity in Lipids; 2.3 Relationships Between HDL Subfractions Separated by Different Methods; 3 STRUCTURE; 3.1 Lipid-Free ApoA-I; 3.2 Discoid HDL; 3.3 Spherical

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	HDL; 4 METABOLISM; 4.1 Formation and Intravascular Remodeling; ABC Transporters; ABCA1; ABCG1; Enzymes; LCAT; Lipases Lipid Transfer ProteinSCETP; PLTP; Receptors; SR-BI; 4.2 Catabolism; 5 EPIDEMIOLOGY; 5.1 Epidemiology of HDL-C; HDL-C and Cardiovascular Risk; Relevance Across Multiple Populations and Disease States; HDL-C and Other Cardiovascular Risk Factors; Prevalence of Low HDL-C; HDL- C and Cardiovascular Risk in Patients Receiving Statins; HDL-C and Other Major Diseases; 5.2 Epidemiology of HDL-Associated Proteins and Enzymes; ApoA-I; Other Apolipoproteins; SAA; PON1; PAF-AH; Other Enzymes; Lipid Transfer Proteins; 5.3 Epidemiology of HDL Particle Subpopulations; Separated by Density Separated by Electrophoretic MobilitySeparated by Composition; Separated by Size; 6 GENETICS; 6.1 ABC Transporters and Other Receptors; ABCA1; SR-BI; LDL Receptor; 6.2 Apolipoproteins; ApoA-I; ApoA-V; ApoC-III; ApoE; 6.3 Enzymes; LCAT; PON1; LPL; Hepatic Lipase; Endothelial Lipase; 6.4 Lipid Transfer Proteins; CETP; 6.5 Other Genes; 6.6 Gene Interactions; 7 BIOLOGIC ACTIVITIES; 7.1 Cholesterol Efflux Capacity; Mechanisms of Cellular Cholesterol Efflux; ABCA1- Mediated Efflux; ABCG1-Mediated Efflux; SR-BI-Mediated Efflux; Other Pathways; Role of HDL Components; Proteins; Lipids Functional Heterogeneity of HDL7.2 Antioxidative Activity; Mechanisms of Protection Against Oxidative Stress; Role of HDL Components; Apolipoproteins; Enzymes; Lipids; Functional Heterogeneity of HDL; 7.3 Anti-Inflammatory Activity; Mechanisms of Anti-Inflammatory Protection; Role of HDL Components; Proteome; Lipidome; Functional Heterogeneity of HDL; 7.4 Cytoprotective Activity; Mechanisms of Cytoprotection; Role of HDL Components; Proteome; Lipidome; Functional Heterogeneity of HDL; 7.5 Anti-Inflectious Activity; Mechanisms of Protection from Infection; Role of HDL Components; Proteome Lipids
Sommario/riassunto	A complete guide to the role of high-density lipoproteins (HDL) in new and emerging therapies With high-density lipoproteins (HDL) playing an increasing role in cardiovascular disease prevention, there is a growing need for an in-depth look at HDL and its clinical value. This book summarizes the current state of knowledge in the field, providing for the first time a comprehensive, systematic, stylistically coherent, and up-to-date review of the composition, structure, heterogeneity, metabolism, epidemiology, genetics, and function of HDL. Divided into three main parts, High-Density Lipo