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Nota di contenuto	Section I. Extraction Methods -- Chapter 1. Updated Methods of Extracellular Vesicles Isolation -- Section II. Extracellular Vesicles in Cardiovascular Disease -- Chapter 2. Extracellular Vesicles and Pathological Cardiac Hypertrophy -- Chapter 3. Extracellular Vesicles and Cardiac Aging -- Chapter 4. Extracellular Vesicles and Ischemic Cardiovascular Diseases -- Chapter 5. Extracellular Vesicles and Hypertension -- Chapter 6. Extracellular Vesicles and Coronary Artery Disease -- Chapter 7. Extracellular Vesicles and Vascular Inflammation -- Chapter 8. Extracellular Vesicles and Muscle Atrophy Treatment -- Section III. Extracellular Vesicles in Metabolic Diseases -- Chapter 9. Extracellular Vesicles and Fatty Liver -- Chapter 10. Extracellular Vesicles and Obesity -- Chapter 11. Extracellular Vesicles in Bone Remodeling and Osteoporosis -- Section IV. Therapeutic Implications -- Chapter 12. Diagnosis of Extracellular Vesicles in Cardiovascular and Metabolic Diseases -- Chapter 13. Therapeutics of Extracellular

Vesicles in Cardiovascular and Metabolic Diseases -- Chapter 14. Gene Therapy of Extracellular Vesicles in Cardiovascular and Metabolic Diseases -- Section V. Future Prospects -- Chapter 15. Prospective Advances of Extracellular Vesicles Investigation in Cardiovascular and Metabolic Research -- Chapter 16. Effects of Exercise on Circulating Extracellular Vesicles in Cardiovascular and Metabolic Diseases -- Chapter 17. Extracellular Vesicle Release from Platelets and their Contributions to Thrombosis.

Sommario/riassunto

This book provides the latest research progress on Extracellular vesicles (EVs) in cardiovascular and metabolic diseases. EVs are small bilayer lipid membrane vesicles released by cells and function for intercellular communication. Increasing evidence has shown that EVs play crucial roles in cardiovascular and metabolic diseases, which seriously threaten human health worldwide. The book contains four sections: 1) Extraction Methods; 2) EVs in Cardiovascular Diseases; 3) EVs in Metabolic Diseases; and 4) Therapeutic Implications. This book is useful for biologists, cardiologists, cardiovascular surgeons, endocrinologists, internists, nurses, undergraduate and graduate students in medicine and cell biology, and others interested in cardiovascular and metabolic medicine.
