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Nota di contenuto	Intro -- C-Reactive Protein: New Research -- Contents -- Preface -- Major Modifiable Risk Factors and C-Reactive Protein -- Abstract -- Introduction -- Major Modifiable Risk Factors and CRP -- CRP as a Mediator of CVD Events -- Conclusion -- Acknowledgments -- References -- C-Reactive Protein: A Literature Review of Its Implications in Psychiatric Disorders -- Abstract -- Introduction -- Methods -- 1. CRP and Depression -- 2. CRP and Bipolar Disorder -- 3. CRP and Schizophrenia -- 4. Conclusions -- References -- Role of C-Reactive Protein in Renal Transplantation -- Abstract -- Introduction -- Data Pertaining to Pre-Transplant CRP Determinations -- Data Pertaining to Post-Transplant CRP Determinations -- Conclusion -- References -- CRP and Its Role in Coronary Heart Disease: New Research Developments -- References -- C-Reactive Protein: A Useful Tool for Evaluation of Clinical Activity in Crohn's Disease? -- Abstract -- Introduction -- Pathophysiological Aspects of Role of CRP in Activity of Crohn's Disease -- Correlation Studies of CRP Levels and Crohn's Disease Activity -- Limitation of CRP in Predicting Disease Activity -- Conclusion -- Reference -- Research and Review Studies -- C-Reactive Protein and Post-Intervention Coronary Restenosis -- Abstract -- Abbreviations -- Introduction -- High-Sensitivity CRP Assays -- CRP Response to PCI -- Baseline CRP Measurement and Risk Stratification -- Prognostic Significance of CRP -- The Issue of Restenosis -- The Link between Inflammation and Restenosis -- The Importance of Investigating the Association of CRP to Restenosis -- The Role of CRP

in Restenosis -- Pioneering Evidence Linking CRP to Restenosis -- The Origin of CRP in Restenotic Lesions -- Hypothetical Mechanisms of Restenosis Induction by CRP -- Future Directions for Investigating CRP/Restenosis Relationship -- References.
C-Reactive Protein and Cardiovascular Disease: Lessons Learned from Studying Genetically Engineered Mice -- Abstract -- C-Reactive Protein Basics: Molecular Structure and Ligand Binding -- The CRP Transgenic Mouse Model -- Regulation of CRP Expression -- CRP Promotes Arterial Thrombosis -- CRP Accelerates Atherosclerosis -- CRP Exacerbates Vascular Injury Response -- Conclusion -- References -- The Role of Exercise in Modulating Circulating Concentrations of C-Reactive Protein: A Critical Review -- Abstract -- Introduction -- C-Reactive Protein as Indicator of Risk and Predictor of Mortality -- Potential of Exercise to Reduce Circulating Levels of CRP -- Physical Activity and CRP: Cross Sectional Studies -- Physical Activity and CRP: Exercise Interventions -- Confounding Variables in Exercise and CRP Research -- Conclusion -- References -- C-Reactive Protein Concentrations in Schoolchildren: Relationships with Adiposity, Physical Fitness and Physical Activity -- Abstract -- Introduction -- Method -- Statistical Analysis -- Results -- Discussion -- Acknowledgments -- References -- C-Reactive Protein: FCR Receptor-Mediated Effects on Human Peripheral Blood Basophils In Vitro -- Introduction -- Materials and Methods -- Statistical Analysis -- Results and Discussion -- Acknowledgment -- References -- Role of CRP and Natural IgM in Infection, Atherosclerosis and Ischemia Reperfusion Injury -- Abstract -- Introduction -- CRP and Anti-PC IgM in the Innate Immune Response -- CRP and Anti-PC IgM in Atherosclerosis -- CRP and Natural IgM Antibody in Ischemia Reperfusion Injury -- Conclusions -- References -- Diagnostic Accuracy of C-Reactive Protein in Neonatal Infection: Introduction of a High-Sensitivity Analytic Method in Its Diagnosis -- Abstract -- Introduction -- Controversy over the Utility of CRP in Clinical Evaluation of Neonatal Infection.
Serum hsCRP Kinetics in Healthy Newborns Immediately after Birth -- Single-Time-Point Assessment versus Serial Evaluation of CRP for the Diagnosis of Neonatal Infection -- A Systematic Review for the Diagnostic Accuracy of CRP in Neonatal Infection -- Conclusion -- References -- C-Reactive Protein as a Biomarker in Bacterial Infection -- Abstract -- Introduction -- Diagnosis of Infection -- Evaluation of Therapy -- Conclusions -- References -- Present and Future Perspectives of Anti-Inflammatory Approach in Atherosclerosis Treatment -- Abstract -- Introduction -- Therapeutical Interventions-Today -- Therapeutical Interventions - Future -- Conclusions -- References -- Kinetics of C-Reactive Protein (CRP) in Delirious and non Delirious Elderly Medical Impatients -- Abstract -- Introduction -- Method -- Results -- Discussion -- Conclusion and Further Research -- References -- C-Reactive Protein in Tropical Medicine -- Abstract -- Introduction -- C-Reactive Protein in Malaria -- C-Reactive Protein in Tuberculosis -- C-Reactive Protein in Leprosy -- References -- Laboratory Medicine for C-Reactive Protein -- Abstract -- Introduction -- Pre-Analytical Phase for C-Reactive Protein -- Analytical Phase for C-Reactive Protein -- Post-Analytical Phase for C-Reactive Protein -- References -- C-Reactive Protein: Structure, Synthesis and Function -- Abstract -- Background and History -- Structure -- Synthesis -- Function and Effects -- Conclusion -- References -- Index.

Sommario/riassunto

C-reactive protein (CRP) is a protein produced as part of the inflammatory process. It is a routine test for heart failure; high levels of CRP may predict a bad outcome (however, it is an unreliable test for heart failure, because inflammation from other causes also raises CRP).

CRP is a plasma protein, an acute phase protein produced by the liver and by adipocytes. It is a member of the pentraxin family of proteins. It is not related to C-peptide or protein C. This book presents the latest research from around the world in this field.