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Autore	Kloc Małgorzata
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Nota di contenuto

Part I. Overview of Cellular and Molecular Effectors in Chronic Rejection and the Computational Approaches -- Chapter 1. Cellular and Molecular Aspects of Chronic Rejection -- Chapter 2. Cellular and Molecular Aspects of Chronic Rejection -- Chapter 3. Exploring Chronic Rejection in Organ Transplantation through Computational Modeling -- Part II. Immune Cells, Non-Immune Cells, and Extracellular Molecules in Chronic Rejection -- Chapter 4. The Role of the Endothelium as a Key Regulator of Chronic Transplant Rejection -- Chapter 5. Pathogenesis of Chronic Rejection: Graft Endothelial Cell Trans-presentation of IL-15 Connects Alloantibody- and Cell-Mediated Steps in Allograft Vasculopathy -- Chapter 6. Macrophage Actin Cytoskeleton in Chronic Rejection -- Chapter 7. Donor-Derived Cell-Free DNA in Acute and Chronic Rejection of Solid Allograft Transplantation. Part III. Shared and Organ-Specific Features of Chronic Rejection and Therapeutic Approaches -- Chapter 8. Vascular Remodeling in Chronic Rejection: Insights into Transplant Vasculopathy Across Solid Organ Allografts -- Chapter 9. The Myeloid-T Lymphocyte Axis in Chronic Lung Allograft Rejection: Emerging Insights into the Immune Circuitry Driving Fibrosis -- Chapter 10. Chronic Rejection in Facial Vascularized Composite Allografts (fVCA) -- Chapter 11. Evolving Therapeutic Approaches for Treatment of Antibody Mediated Rejection in Renal Allograft Recipients -- Chapter 12. Chronic Liver Allograft Rejection: Histopathological Insights and Future Directions.

Sommario/riassunto

Despite improvements in antirejection therapies, solid organ transplantation is hampered by chronic rejection, with around 70% of transplants being rejected within 10 years post-transplantation. Given the growing number of transplant candidates and the shortage of organ donors, finding a cure for chronic rejection is a priority in transplantation. Although chronic rejection studies have increased our knowledge of the subject over the years, the cellular and molecular processes involved in chronic rejection are still not fully understood. This volume covers the molecular and cellular aspects of the chronic rejection of both solid and composite allografts. It is divided into three parts: Part I provides a comprehensive overview and mechanistic understanding of the cellular and molecular pathways underlying chronic rejection, as well as their potential in identifying novel biomarkers and developing targeted anti-chronic rejection strategies. Part II focuses on immune cells, non-immune cells, and extracellular molecules in the context of chronic rejection. Part III concentrates on shared and organ-specific (liver, face, kidney, lung) features as well as the latest therapeutic approaches in chronic rejection. The book provides a comprehensive overview of the mechanisms and challenges involved, with the aim of inspiring the development of new therapies for chronic rejection.