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Altri autori (Persone)	KuteVivek PrasadNarayan DanielDolly TapiawalaShruti
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Nota di contenuto	Chapter1.. HLA Structure, Function, and Clinical Implications in Transplantation: A Case-Based and Molecular Perspective -- Chapter2.. Nutrition and immunological challenges in transplantation -- Chapter3.. Why we require immunological workup- A patient-centered, case-based approach -- Chapter4.. HLA loci and typing in solid organ transplantation - A case-based approach to HLA typing and applications in clinical practice -- Chapter5.. Eplets and Epitopes in transplantation -- Chapter6.. Virtual cross match in kidney transplantation -- Chapter7.. Molecular Biomarkers to Assess Kidney Allograft Status -- Chapter8.. Approach to an unsensitised patient awaiting first renal transplant – Algorithms of choice -- Chapter9.. A case based approach to the sensitised recipient with DSA on the SAB to the proposed donor -- Chapter10.. Non-HLA Antibodies in Kidney Transplantation -- Chapter11.. A persistent CDC positive cross-match

in a patient awaiting transplant - Variations of the CDC and comparisons across platforms -- Chapter12.. Kidney Transplant Rejection: T-Cell and Antibody-Mediated Rejection -- Chapter13.. Immunology of ABO incompatible transplantation -- Chapter14.. Approach to Lung transplant immunology -- Chapter15.. Immunology of heart transplantation -- Chapter16.. Approach to Liver Transplant: The Immunomodulatory Role of the Liver and Its Mesenchymal Stem Cells -- Chapter17.. Challenges in Bone Marrow Transplant: Tale of Two Women -- Chapter18.. Immunological Evaluation and Management of pediatric kidney transplant recipients -- Chapter19.. An approach to rational therapeutics by navigating pathophysiology and evidence for complex clinical situations -- Chapter20.. Immunological challenges in Xenotransplantation -- Chapter21.. Conclusions, Recommendations and guidelines for immunological evaluation of a transplant recipient.

Sommario/riassunto

Transplantation in South Asia faces unique immunological challenges, yet comprehensive data on genetic and epigenetic factors in the region remains sparse. This ground-breaking book addresses the critical need for a uniform approach to the immunological workup of transplant recipients and donors, tailored specifically for one of the world's highest-volume transplantation regions. Drawing on insights from renowned immunologists, transplant physicians, and surgeons, the book provides an in-depth exploration of immune signatures in South Asian populations. It offers actionable guidance to optimize donor-recipient matching and minimize immune system activation during and after transplantation. Through a practical, case-based approach, the book delves into real-world immunological challenges and solutions, covering key topics such as immunosuppressive strategies for children, adults, older patients, and women with prior sensitization. Each chapter is designed to equip healthcare professionals with the tools to address complex scenarios with confidence. With over 650 transplantation centers in India alone, this essential resource is invaluable for trainees, nurses, technicians, and all members of the transplant team seeking to enhance their understanding of immunology in transplantation.
