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2. Examples of Epitope Spreading in Autoimmune Diseases; 2.1. Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis; 2.2. Insulin-Dependent Diabetes Mellitus or Type I Diabetes; 2.3. Arthritis; 2.4. Systemic Lupus Erythematosus; 2.5. Other Autoimmune Diseases; 3. Mechanisms Underlying Epitope Spreading During the Course of an Autoimmune Disease; 3.1. Upregulation of the Display of Cryptic/Subdominant Epitopes Within a Self Antigen Under Inflammatory Conditions 3.2. Release of Self Antigens and Their Processing and Presentation Following Tissue Damage in the Course of a Microbial ...3.3. Post-Translational Modification of Antigens; 3.4. The Frequency and Avidity of Epitope-Specific Precursor T Cells Within the Mature T Cell Repertoire Favoring Respons...; 3.5. Presentation of Neo-Epitopes Within a Particular Self Antigen by the B Cells Specific for That Antigen; 3.6. The Influence of Antigen-Bound Antibodies on the Processing and Presentation of T Cell Epitopes Within That Antigen; 3.7. Antigen Cross-Presentation and Epitope Spreading 3.8. Site of Initiation of Epitope Spreading: Target Organ Versus the Periphery4. Physiological Significance of Epitope Spreading: Involvement of Epitope Spreading in the Pathogenesis of Autoimmune Di...; 5. Implications of Epitope Spreading in Immunotherapy of Autoimmune Diseases: Hindering vs. Facilitating the Control of t...; 6. Concluding Remarks; References; Chapter 5: CD5-Expressing B-1 Cells and Infection; 1. Introduction; 2. Characterization of CD5+ B Cells; 2.1. Origins of the Cells; 2.2. Functions of CD5+ B Cells; 2.3. Control of the CD5+ B Cell Population 3. CD5+ B Cells and Disease

Sommario/riassunto

Autoimmune diseases are conditions where the immune system attacks the body organs instead of foreign invaders. This book deals with the various mechanisms by which infectious agents can trigger autoimmunity such as molecular mimicry and polyclonal activation. An overview is given with regard to bacteria, viruses, and parasites associated with autoimmunity, and a summary is given on classical autoimmune diseases and the infecting agents that can induce them. Includes completely updated and new chaptersBrings the reader up to date and allows easy access to individual topics in one placeIdentifie
