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-- (1) Roles of IgE in the chronic allergic reaction -- (2) The role of basophils in the IgE-dependent chronic allergic inflammatory response -- (3) Basophils as potential therapeutic targets for chronic allergic inflammation -- The Role of Basophils in the Control of T Cell Differentiation -- (1) T cell development and IL-4.
(2) The roles of basophils in Th2 cell development -- Roles of Basophils in Immunological Memory Responses -- REFERENCES -- Chapter 4 FLAVONOIDS, NATURAL INHIBITORS OF BASOPHIL ACTIVATION -- ABSTRACT -- INTRODUCTION -- I. Flavonoids Inhibit IL-4, IL-13 and CD40 Ligand Expression by Basophils -- II. Clinical Effects of Flavonoids Identified with in Vivo Animal Models -- III. Flavonoids Ameliorated Ocular Symptoms of Japanese Cedar Pollinosis -- CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- Chapter 5 BASOPHIL IN TROPICAL INFECTIONS -- ABSTRACT -- INTRODUCTION -- BASOPHIL IN MALARIA -- BASOPHIL IN DENGUE -- BASOPHIL IN TUBERCULOSIS -- BASOPHIL IN LEPROSY -- REFERENCES -- Chapter 6 RESEARCH ON BASOPHIL IN THAILAND -- ABSTRACT -- INTRODUCTION -- BASOPHIL IN ALLERGY -- BASOPHIL IN CANCER -- BASOPHIL IN INFECTION -- BASOPHIL IN INTOXICATION -- WHAT SHOULD THE NEXT TREND OF RESEARCH IN THAILAND BE? -- REFERENCES -- Chapter 7 BASOPHIL GRANULOCYTES: SMALL IN NUMBERS, MIGHTY IN IMMUNE REGULATION* -- REFERENCES -- Chapter 8 C-REACTIVE PROTEIN: FCR RECEPTOR-MEDIATED EFFECTS ON HUMAN PERIPHERAL BLOOD BASOPHILS IN VITRO* -- INTRODUCTION -- MATERIALS AND METHODS -- Basophils Isolation -- Reagents -- Cell Incubations and Assessment of Basophil Response -- Basophil Desensitizsation and Restimulation in Vitro -- STATISTICAL ANALYSIS -- RESULTS AND DISCUSSION -- Basophil Responses to Human Aggregated IgG, C-Reactive Protein, and Fcgriii Cross-Linking -- 2. Basophil Responses to Cholinergic Drugs -- 3. Basophil Responses to Aggregated IgG and Cholinergic Drugs -- 4. Basophil Responses to Human C-Reactive Protein and Cholinergic Drugs -- 5. Joint Effects of CRP with aIigG and Antibody to CD16 -- 6. Normal Human Blood Basophil Responses to Repeated Activation in Vitro -- ACKNOWLEDGMENT -- REFERENCES -- INDEX -- Blank Page.

Sommario/riassunto

This work examines the latest research developments in the field of basophil granulocytes, sometimes referred to as basophils, which are the least common of the granulocytes, representing about 0.01% to 0.3% of circulating white blood cells.