

1. Introduction

Part 1: Mechanisms of Autoimmunity induction by infectious agents and vaccination

2. Molecular Mimicry and Autoimmunity
3. Epitope Spreading in Autoimmune Diseases
4. The immune neuroendocrine system, infections, and rheumatic diseases
5. CD5-Expressing B-1 Cells and Infection
6. Lymphocytes and Infection in Autoimmune Diseases
7. Endothelial Cell Autoreactivity and Infection
8. Microbiota and Autoimmunity
9. Infection, Autoimmunity, and Vitamin D
10. Seasonality and Autoimmunity
11. The Protective Role of Helminths in Autoimmunity
12. Vaccination and Autoimmunity
13. BCG Vaccination
14. Opportunistic Infections and Autoimmune Diseases
15. Can Antibiotics Cure Autoimmune Diseases?

Part 2: Viruses and Autoimmunity

16. Anti-Viral Therapy, Epstein–Barr Virus, Autoimmunity, and Chaos (The Butterfly Effect)
17. Roles for Cytomegalovirus in Infection, Inflammation, and Autoimmunity
18. Hepatitis C and Mixed Cryoglobulinemia: An Update
19. HIV Spectrum and Autoimmune Diseases
20. Parvovirus Infection and Its Association with Autoimmune Diseases
21. Human T-lymphotropic Virus Type 1 and Rheumatic Diseases: A Link Between Infection and Autoimmunity
22. Sjögren’s Syndrome: Role of Viruses and Viral-Like Sequences
23. Viral Infection and Heart Disease: Autoimmune Mechanisms
24. Celiac Disease and Rotavirus Infection
25. Theiler’s Murine Encephalomyelitis Virus-Induced Demyelinating Disease (TMEV-IDD) and Autoimmunity

Part 3: Bacteria and Autoimmunity

26. Rheumatic Fever: How Streptococcal Throat Infection Triggers an Autoimmune Disease
27. Helicobacter pylori Infection and Gastric Autoimmunity: Coincidence or a Cause and Effect Relationship?
28. Multiple Sclerosis and Creutzfeldt–Jakob Disease are Autoimmune Diseases Probably Caused by Exposure to the Nasal Microbe Acinetobacter
29. Infection and Autoimmunity in Antibiotic-Refractory Lyme Arthritis
30. Streptococcus Pneumoniae and Autoimmunity: A Systematic Review of the Literature: How Pneumococcal Infection Might Be Related to Rheumatic Diseases
31. Mycobacteria and Autoimmunity
32. Mycobacterium avium Subspecies Paratuberculosis and Human Disease: Bridging Infection and Autoimmunity
33. Leprosy and Autoimmunity

Part 4: Parasites and autoimmunity

34. Parasitic Infection and Autoimmunity
35. Toxoplasma and Autoimmunity
36. Malaria and Systemic Lupus Erythematosus: Complex Interactions and Reciprocal Influences

Part 5: Autoimmune diseases and infections

37. Anti-Saccharomyces cerevisiae Antibodies Autoimmune Diseases
38. The Infectious Origin of the Anti-Phospholipid Syndrome
39. Infections and Systemic Lupus Erythematosus
40. Infections and Idiopathic Inflammatory Myopathies
41. Rheumatoid Arthritis and Infections: More Than an Association?
42. Infection and Systemic Sclerosis
43. Infection and Spondyloarthropathies
44. Infection and Behçet Disease

45. Vasculitides and Hepatitis C Infection
46. The Role of Infection in Inflammatory Bowel Disease: Initiation, Exacerbation and Protection
47. Post-Infectious Arthritis and Reactive Arthritis
48. Infection and Autoimmune Liver Diseases
49. The Role of infection in Immune-mediated Thrombocytopenia
50. Viral Infections and Type 1 Diabetes
51. Infection and Autoimmune Thyroid Diseases
52. Pemphigus and Infection
53. Infections and Autoimmune Renal Diseases
54. Infections Associated with Retinal Autoimmunity
55. Oral Infections and Autoimmune Diseases
56. infection and Guillain-Barré Syndrome
57. Acute Disseminated Encephalomyelitis

Part 6: COVID-19 and autoimmunity SARS-CoV-2 (COVID-19) and Autoimmunity

58. COVID-19 and autoimmunity
59. COVID-19 and autoantibodies
60. COVID-19 and vasculitis
61. COVID-19 vaccines and autoimmunity