

Preface

Rheumatology (Greek $\rho\epsilon\upsilon\mu\alpha$, rheûma, flowing current) is a branch of medicine devoted to the diagnosis and therapy of rheumatic diseases. Physicians who have undergone formal training in rheumatology are called rheumatologists. Rheumatologists deal mainly with immune-mediated disorders of the musculoskeletal system, soft tissues, autoimmune diseases, vasculitides, and inherited connective tissue disorders. Many of these diseases are now known to be disorders of the immune system. Rheumatology is considered to be the study and practice of medical immunology. Beginning in the 2000s, the incorporation of drugs called the biologics (which include inhibitors of TNF-alpha, certain interleukins, and the JAK-STAT signaling pathway) into standards of care is one of the paramount developments in modern rheumatology.¹

In the present book, fifteen typical literatures about rheumatology published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on the Brazilian Society of Rheumatology, pediatric rheumatology, JAK Inhibitors in Rheumatology, the French societies for rheumatology, ect. We hope this book can demonstrate advances in difference equations as well as give references to the researchers, students and other related people.

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¹ From Wikipedia:<https://en.wikipedia.org/wiki/Rheumatology>