



# PRINCIPLES & PRACTICE OF GERIATRIC MEDICINE 2025

A TEXTBOOK OF GERIATRICS AND GERONTOLOGY



O.P. Sharma

## **PART-I AGEING - BIOLOGICAL & CELLULAR PERSPECTIVE**

Introduction, Genetic and Molecular Mechanisms of Ageing, Immunology of Ageing, Pathology of Ageing, Quantification of Ageing,

## **PART-II GERIATRIC MEDICINE**

### **Section 1 - Clinical**

Presenting Symptoms, Weakness, Dyspnoea, Oedema, Dizziness, Confusion, Pain, Urinary Incontinence, Gait, Restless Leg Syndrome, Coma, Clinical Approach to An Elderly Patient, Various Tools Useful in Geriatric Practice, Infections in the Elderly, Frailty Syndrome,

### **Section 2 - Cardio-Vascular System**

Coronary Artery Disease, Cardiac Arrhythmias in Elderly, Hypertension, Heart Failure, Peripheral Vascular Disease in Geriatric Population, Cardiac Rehabilitation in the Elderly, Preventive Cardiology and Non-Pharmacological Measures, Interventions and Devices in Cardiology for Elderly Patients

### **Section 3 - Respiratory System**

Pneumonia in the Elderly, Asthma, COPD, Cor Pulmonale, Interstitial Lung Disease in Elderly, Pulmonary Tuberculosis in Geriatric, Population, Sleep Disorders, Lung Cancer, Non Invasive Ventilation, Mechanical Ventilation in Elderly Patients

### **Section 4 - Gastrointestinal System**

Gastrointestinal Tract Infections in Elderly, Upper Gastrointestinal Tract Bleeding in Elderly, Lower Gastrointestinal Bleed, Gastrointestinal Motility Disorders, Digestive Tract Cancers, Liver Disorders, Biliary Tract Diseases in the Elderly, Pancreas Disorders

### **Section 5 - Rheumatology**

Diagnostic Approach in Rheumatology, Inflammatory Rheumatic Diseases, Back Pain, Soft Tissue Rheumatic Problems, Osteoarthritis

### **Section 6 - Endocrinology**

Diabetes Mellitus in The Elderly, Insulin Therapy, Insulin in Special Situations,

Thyroid Problems, Obesity, Osteoporosis, Andropause, Hormonal Basis of Cancer

### **Section 7 - Nephrology**

Acute Kidney Injury in Elderly, Chronic Renal Failure

### **Section 8 - Neurology**

Epilepsy, Movement Disorders, CNS Infections, Stroke, Alzheimer's Disease, Peripheral Neuropathy and Neuralgias in Elderly, Syncope, Cognitive Decline

### **Section 9 - Psychiatry**

Psychiatric Disorders

### **Section 10 - Haematology**

Anemia in Elderly, Bleeding Disorders, Leukemias

### **Section 11 - Skin**

Skin Problems

### **Section 12 - Sexuality**

Sexuality, Sexual Problems: Surgical Approaches

### **Section 13 - Nutrition**

Nutrition Support, Ageing and Longevity: The Role of, Gut Microbiome

## **PART-III DENTISTRY**

Dental Problems in Geriatric Patients

## **PART-IV ANESTHESIOLOGY**

Anaesthesia

## **PART- V SURGERY**

Urogenital Problems in Elderly, Abdominal Wall Hernia, Geriatric Trauma,

## **PART- VI ORTHOPAEDICS**

Orthopedic Problems, Arthroplasty, Lumbar Canal Stenosis, Vertebroplasty and Kyphoplasty, Falls

## **PART- VII REHABILITATION, DEVICES & GADGETS**

Geriatric Rehabilitation, Non Pharmacological Management of Low Back Pain, Mobility Aids, Elderly Friendly Gadgets, Assistive Devices for the Elderly

## **PART- VIII GYNAECOLOGY**

Gynaecological Disorders, Urinary Incontinence, Menopause

## **PART- IX ENT**

ENT Problems

## **PART- X OPHTHALMOLOGY**

Eye Problems

## **PART XI - INVESTIGATIONS**

Lab Investigations, Imaging, Sonography, Echocardiography, Gastrointestinal Flexible Endoscopy, Invasive Investigations in Respiratory Diseases

## **PART-XII COMMUNITY AND PREVENTIVE GERIATRICS**

Social Security Schemes for Elderly, Elder Abuse, Dementia Support Services, Financial Health as You Age, Law and Constitution, Futuristic Approaches for Anti Ageing, Health Promotion and Preventive Strategies, Adult Immunization in India, Cancer Vaccines, Rejuvenation Therapy - Ayurvedic Perspective, Yoga in Geriatric Medicine, Music Therapy in Dementia

## **PART- XIII THERAPEUTICS**

Clinical Pharmacology, Therapeutics, Pain Management, Drug Interactions, Prescribing in Elderly, Electrolyte Disturbances in Elderly, Palliative Care for the Elderly

## **PART- XIV CARE**

Nursing Management, Caregivers in Geriatrics,

## **PART- XV INFRASTRUCTURE**

Medical Care Setup, Part-XVI Healthcare Delivery System, Healthcare Delivery System for Elderly -South Asia, Healthcare Delivery for Elderly - Nepal, Health Care Delivery for Elderly - Bangladesh

## **APPENDIX-I**

Liver and Drugs

## **APPENDIX-2**

Kidney and Drugs

*For more information or for help in placing your order contact:*

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