



Understanding Kidney Diseases

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Kidney Diseases - physiopathology

Specialty: Nephrology

Abstract: This book combines the reference material of a nephrology textbook with the everyday relevance of a clinical handbook. This second edition develops and expands upon the success of the first. All the content has been updated and entirely new chapters on acid-base disorders and stone disease have been added. Understanding Kidney Diseases includes over 60 real-life case studies and is illustrated with over 200 figures. Readers can test their knowledge with a bank of multiple-choice questions and put it into practice by answering questions that patients frequently ask. The book provides all that students, residents and fellows need in order to approach a patient with a kidney problem with confidence.

Contents:

1. Kidney Anatomy and Physiology: The Basis of Clinical Nephrology –
2. Measuring Kidney Function: How to Use Laboratory Tests to Measure Glomerular Filtration Rate –
3. Plot All the Dots: How Graphs Reveal the History of Someone's Kidney Disease –
4. Kidney Function in Acute Illness and Acute Kidney Injury –
5. How Are You Feeling? Symptoms of Kidney Disease –
6. Do You Have Any Risk Factors or Long-Term Health Conditions? How Environment, Lifestyle and Other Medical Conditions Are Linked to Kidney Disease –
7. Are You Pregnant or Planning a Pregnancy? How Pregnancy Affects the Kidneys and Vice Versa –
8. What Is Your Family History? The Molecular Genetics of Inherited Kidney Diseases –
9. What Have You Been Taking? Nephrotoxicity from Medications and Other Chemicals –
10. Height and Weight: The Effects of Kidney Disease on Development; Links Between Obesity and Kidney Disease –
11. Blood Pressure: The Interactions Between Hypertension and Kidney Disease –
12. Test the Urine: Understanding Haematuria, Proteinuria and Urinary Infection –
13. Examine the Patient: Physical Signs Related to Kidney Diseases –
14. Full Blood Count: Haematological Changes in Kidney Diseases –
15. Acid, Base and the Kidneys: The Role of the Kidneys in Acid-Base Disorders –
16. Calcium, Phosphate and Bones: How Bone and Mineral Metabolism is Altered in Kidney Disease –
17. Immunology: Serological Tests That Help Diagnose Kidney Diseases –
18. Image the Urinary Tract: Strengths and Weaknesses of Different Radiology Modalities –
19. Should We Do a Kidney Biopsy? Balancing the Diagnostic Benefits Against the Clinical Risks –
20. Kidney Stone Disease: A Link Between Nephrology and Urology –
21. Make a Plan: When and How to Prepare for End-Stage Kidney Disease –
22. Kidney Replacement Therapy: Common Problems in Dialysis and Transplant Patients –

Frequently Asked Questions – Multiple Choice Questions – Answers – Case Reports.

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