



Principles of Renal Physiology

By Christopher J. Lote

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The first edition of this book appeared in 1982. In the preface to that first edition, I wrote 'This book is based on the lecture course in renal physiology which I give to medical students at the University of Birmingham. The purpose of the book is primarily to set out the principles of renal physiology for preclinical medical students, and it is therefore concerned mainly with normal renal function. However, diseases or abnormalities in other body systems may lead to adaptations or modifications of renal function, so that a good knowledge of renal physiology is essential to the understanding of many disease states, for example the oedema of heart failure or liver disease, or the consequences of haemorrhage and shock.' The new edition is still based on the lectures which I continue to give at Birmingham University, but over the years the course has gradually changed, to being a system based course covering all aspects of the kidney - the anatomy, physiology, pharmacology and pathology. The new edition of the book, which has been extensively revised and rewritten, reflects this. However, it continues to offer a concise, easily readable format, primarily intended for undergraduate medical and medical science students.

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Editorial Review

Review

about a previous edition:

'This is a well written, compact physiology text on the functions of the kidney ... The author has carefully selected the relevant topics and provided the student with an up-to-date and well-balanced analysis of basic functions of the nephron, as well as a concise survey of the major regulatory mechanisms of salt and water homeostasis ... The book is lucidly written and well-illustrated and should serve as a valuable introductory text for physiology students.'

Quarterly Journal of Experimental Physiology

'The students of physiology at the University of Birmingham Medical School ... are very lucky if their class teaching is as good as this paperback.'

British Book News

'Presents clearly and concisely the principles of renal physiology at a level eminently suitable to the needs of the preclinical medical student ... confidently recommended.'

New Zealand Medical Journal

From the Back Cover

The strengths of this popular text - its conciseness and logical progression through renal physiology - are retained in this third edition. The text has been updated throughout, and clinical and pathophysiological information has been increased. The book is clearly illustrated with many line diagrams and provides a valuable synthesis of renal function for undergraduate students in many disciplines.

Users Review

From reader reviews:

Terri Hatfield:

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