



Metabolism at a Glance

By J. G. Salway

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Metabolism at a Glance is a complete review course of metabolism in health and disease and offers a unique approach to the study of this difficult discipline.

Metabolism is a complicated subject involving complex molecules and interrelated pathways. These metabolic pathways are usually taught separately with the result that the student develops a detailed but compartmentalised approach to metabolism and frequently fails to see the overall picture and its physiological significance.

Using the at a Glance format, the book takes the student through a complete course in intermediary metabolism in an integrated manner. The same chart is repeated throughout the book with the individual pathway under study highlighted.

The book is an ideal text for introductory biochemistry courses and has established itself as an enormously popular book amongst lecturers and students alike. This third edition is fully updated and includes five new chapters to mirror those topics currently taught at undergraduate level:

1. Metabolic Channelling
2. Glucose homeostasis and Reye's Disease
3. Pentose phosphate pathway and the production of NADPH
4. Tryptophan metabolism in health and disease
5. Tyrosine metabolism in health and disease

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Editorial Review

Review

On the first edition:

"...a highly comprehensive set of notes and pathway maps concentrated exclusively on metabolism. If you are after an easy going metabolism book for revision or as a good reference guide, this would be the ideal choice, as it is not too daunting to read and had plenty of well-organised pathway maps to keep you busy. This is especially useful for first year medics as part of their foundation study revision"

Leech y Gelen, University of Wales College of Medicine"

"The book is easy to follow as the salient features of each metabolic pathway are highlighted on a detailed background map. This aided the introduction of the metabolic concepts in a very well-integrated fashion. The chapters on the more medical aspects will appeal especially to medical students as they correlate neatly the basic biochemical principles with the development of some metabolic diseases such as glycogen storage diseases."

Biochemistry and Molecular Biology Education

From the Back Cover

Metabolism at a Glance is a complete review course of metabolism in health and disease, offering a unique approach to the study of this difficult discipline. Throughout the book, metabolism is presented in an integrated manner. This provides the reader with an overview of separate inter-related pathways as well as 'the big picture' for a greater understanding of the whole subject. Using the classic 'at a glance' format of double-page spreads, the book successfully explains complicated metabolic processes by highlighting the core features in detailed maps whilst the text provides further explanation.

The third edition of this bestseller is fully updated and includes six new chapters to mirror those topics currently taught at undergraduate level. New chapters cover metabolic channeling, tryptophan metabolism, tyrosine metabolism in health and disease, and Reye's syndrome. The chapters on glycolysis and the pentose phosphate pathway have been extended. The rapid progress in understanding of the intracellular mechanisms of insulin action in relation to diabetes has necessitated substantial revision and extension of these chapters.

Metabolism at a Glance will be an essential resource for students on medical, biochemistry, veterinary, sports science and nutrition courses requiring a knowledge of intermediary metabolism. Those who need an authoritative yet concise guide to metabolism, such as examination candidates, biomedical scientists, and clinicians specializing in diabetes as well as inborn errors of metabolism, will find this book invaluable. The book is designed to fit into the reading time as well as the budget of students and trainees and has established itself as an enormously popular book amongst students and lecturers alike.

Users Review

From reader reviews:

Beverly McKeever:

This Metabolism at a Glance book is simply not ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is actually information inside this publication incredible fresh, you will get information which is getting deeper you actually read a lot of information you will get. This specific Metabolism at a Glance without we realize teach the one who reading through it become critical in imagining and analyzing. Don't be worry Metabolism at a Glance can bring when you are and not make your case space or bookshelves' become full because you can have it inside your lovely laptop even cell phone. This Metabolism at a Glance having good arrangement in word in addition to layout, so you will not sense uninterested in reading.

Joseph Bolden:

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Carolyn Treece:

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John Parish:

In this time globalization it is important to someone to receive information. The information will make professionals understand the condition of the world. The healthiness of the world makes the information better to share. You can find a lot of recommendations to get information example: internet, newspapers, book, and soon. You will see that now, a lot of publisher in which print many kinds of book. Often the book that recommended for you is Metabolism at a Glance this guide consist a lot of the information on the condition of this world now. This kind of book was represented just how can the world has grown up. The language styles that writer use for explain it is easy to understand. The particular writer made some analysis when he makes this book. This is why this book appropriate all of you.

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