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Fetal and Neonatal Pathology

Fourth Edition

 Springer

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For Lauren, who continues to delight and inspire
Jean W. Keeling

For Anne, Jonathan, and Jeremy
T. Yee Khong

Preface

It is 20 years since the publication of the first edition of *Fetal and Neonatal Pathology*. Perinatal pathology and its related clinical specialties have seen many changes during that time. Within the practice of pathology, there have been many advances of different levels of importance to our specialty. Currently, the investigation of the molecular basis of normal development and of disease has changed our concepts of both and, at a more practical level, has supplied us with the tools to achieve more precise answers in individual cases. Aspects of perinatal pathology that have benefited particularly from this technology are tumors, skeletal dysplasias, muscular dystrophies, and renal cystic disease, where the effects have extended far beyond the purely diagnostic. Molecular pathology has resulted in new insights into developmental anomalies, as well as new tests for families at risk.

The overall format of the fourth edition remains unchanged from the third edition, with chapters in the first half of the book addressing more general problem areas in perinatal pathology, followed by system-based chapters covering specific pathological abnormalities.

In this fourth edition, editorial responsibility has been shared by Drs. Keeling and Khong, as they have interests that are complementary. A new editor brings new ideas and contacts. There have been changes in authorship of a number of chapters, reflecting the changing interests of individuals as well as the passage of time. It is particularly pleasing to welcome a number of young authors, who bring different approaches and new ideas.

A new chapter addresses the clinicians' view of the perinatal autopsy and a new section covers perinatal hematological problems. The continued importance of the adverse effects of infection in the perinatal period is reflected by an expansion of this section, as well as a separate chapter on placental infection and its consequences.

Color illustrations were introduced in the third edition but, in this current edition, there has been a major move to color, resulting in improved clarity in many cases.

Jean W. Keeling
T. Yee Khong

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