



# Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment

From Johns Hopkins University Press

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The definitive reference work on prenatal diagnosis, Genetic Disorders and the Fetus is now available in a completely revised and updated fifth edition reflecting the most current advances in research, technology, and clinical care.

Written by an international team of experts, the volume provides an in-depth critical analysis and synthesis of the latest work in prenatal diagnosis of genetic disorders and fetal malformations. This volume represents a substantial repository of facts and emphasizes important advances in the prenatal detection and screening for cystic fibrosis, neural tube defects, chromosomal abnormalities, hemoglobinopathies, and fragile X syndrome. Technical advances in fetal blood sampling, abortion, and fetal therapy are highlighted, and an enormous personal experience with chorionic villus sampling provides valuable lessons and guidance. The extensive compilation of information concerning the prenatal detection of chromosomal abnormalities is essential to all those engaged daily in prenatal genetic diagnosis.

Other topics include: multianalyte screening for neural tube and chromosomal defects, with special reference to the first-trimester screening; fetal imaging; advances in molecular genetics that facilitate prenatal diagnosis and the indications, limitations, pitfalls, and guidelines for this type of testing; and the prenatal diagnosis of lipid, mucopolysaccharide, amino acid, folate, and other metabolic disorders, congenital adrenal hyperplasia, and immunodeficiency disorders. A comprehensive review and synthesis of the medicolegal and ethical aspects of prenatal genetic diagnosis completes this heavily referenced, up-to-date volume.

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### Editorial Review

From The New England Journal of Medicine

For several years, *Genetic Disorders and the Fetus* has belonged with the classic textbooks on the shelf of every geneticist involved in genetic medicine. Because the book approaches each topic in depth, it is an invaluable reference not only for physicians but also for scientists interested in human fetal development. Topics range from the prenatal diagnosis and screening of chromosomal, biochemical, and multifactorial disorders to preimplantation genetic diagnosis and noninvasive prenatal diagnostic methods that involve the analysis of fetal cells and cell-free nucleic acids in the maternal circulation. The outstanding chapters on genetic counseling, chromosomal disorders and their detection through the screening of maternal serum, and molecular cytogenetic methods form the core of this well-designed book. The attention given particularly to the predictive prenatal diagnosis of severe adult-onset genetic disorders, to issues raised by the use of early amniocentesis, and to the recent recognition of the late-onset tremor-ataxia syndrome in male carriers of the fragile X syndrome bring the book up to date. Finally, by including a chapter on fetal infection, the author extends the coverage of topics to nongenetic disorders. In editing the fifth edition of this multiauthored book, Milunsky has succeeded in providing an updated source of guidance and a major repository of knowledge for those of us practicing fetal medicine and involved in human fetal research. *Michel Vekemans, M.D., Ph.D.*

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Review

For several years, *Genetic Disorders and the Fetus* has belonged with the classic textbooks on the shelf of every geneticist involved with genetic medicine... In editing the fifth edition of this multiauthored book, Milunsky has succeeded in providing an updated source of guidance and a major repository of knowledge for those of us practicing fetal medicine and involved in human fetal research.

*(New England Journal of Medicine)*

Each clinical genetics and obstetric unit should have a copy of this volume to hand, as it remains the textbook on genetic disorders that may present in pregnant patients and their relatives.

*(John L Tolmie Human Genetics)*

The extensive compilation of information concentrating the prenatal detection of chromosomal abnormalities is essential to all those engaged in prenatal genetic diagnosis.

*(New Medical World Weekly)*

Review

The editor is to be congratulated on producing such a topical and full summary of current practice and future developments. This book would make a most useful addition to the libraries of both genetic and fetal medicine departments.

*(Journal of Medical Genetics)*

It would provide an excellent teaching text for clinicians in training and a useful reference text for many scientists working on the laboratory side of prenatal genetic testing... This text is a must for any obstetrics library shelf.

*(Journal of Obstetrics and Gynaecology)*

Long considered a standard reference in the area of prenatal diagnosis, this text is notable for its breadth and continues to be a readable, well-organized, comprehensive resource for clinicians in fields related to the care of the fetus and newborn.

*(Journal of the American Medical Association)*

## **Users Review**

### **From reader reviews:**

#### **Richard Tipton:**

The book Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment can give more knowledge and information about everything you want. Why then must we leave the good thing like a book Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment? Several of you have a different opinion about guide. But one aim this book can give many information for us. It is absolutely correct. Right now, try to closer with your book. Knowledge or details that you take for that, it is possible to give for each other; you are able to share all of these. Book Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment has simple shape nevertheless, you know: it has great and massive function for you. You can appear the enormous world by start and read a publication. So it is very wonderful.

#### **Kevin Vargas:**

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#### **Michael Albright:**

Spent a free time to be fun activity to try and do! A lot of people spent their free time with their family, or their own friends. Usually they carrying out activity like watching television, likely to beach, or picnic from the park. They actually doing same every week. Do you feel it? Will you something different to fill your free time/ holiday? Could be reading a book could be option to fill your cost-free time/ holiday. The first thing

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