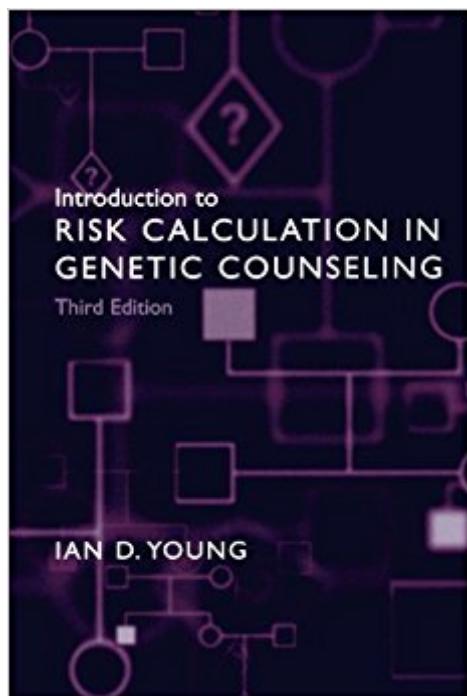


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# Introduction To Risk Calculation In Genetic Counseling



## **Synopsis**

The process of genetic counseling involves many key components, such as taking a family genetic history, making a diagnosis, and providing communication and support to the family. Among these core processes is the mathematical calculation of the actual risk of a possible genetic disorder. For most physicians and counselors, the mathematics and statistics involved can be major challenge which is not always helped by complex computer programs or lengthy papers full of elaborate formulae. In this clear, reader-friendly guide, Ian Young addresses this problem and demonstrates how risk can be estimated for inherited disorders using a basic knowledge of the laws of probability and their application to clinical problems. The text employs a wealth of clearly explained examples and key points in order to guide the reader to an accurate assessment of the risk of genetic disease. It primarily will appeal to genetic counselors, geneticists, and all those involved in providing medical genetic services. In this new edition, Dr. Young has pruned redundancies and extensively updated the concepts in each of the 10 chapters, and he has included more working examples, a popular feature of the book.

## **Book Information**

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## **Customer Reviews**

'more than fulfils its aim to be a "user friendly introduction to risk calculation ... It is clear in style, with worked examples.' BMJ, Volume 307, 1993 'The book will be of benefit to everyone involved in the provision and delivery of genetic counselling services.' P. Eberle, Theoretical and Applied Genetics 'I would recommend this book to any clinicians involved in aspects of genetic counselling' D.J.H.

Brock, Human Genetics Unit, University of Edinburgh, Genetical Research, Volume 58, 1991 'The substance of the book is excellent ... much of the book is of bench mark quality and this is certainly the status of the glossary which is to be recommended thoroughly ... this is a text which will have a prominent position on the bookshelf of all clinicians who are faced by problems with a recognised genetic basis.' C.F. John Grindle, Neuromuscular Disorders, Vol. 1, No. 4, 1991 --This text refers to an alternate Paperback edition.

Ian D. Young is a Professor of Pediatric Genetics, Centre for Medical Genetics, City Hospital Nottingham.

Great book. Wish it had a chapter with nothing but questions and answers for board exam review

As advertised.

Is difficult to find such a practical book in this field. I think that this book is the best and the only one that can fulfill the clinician and geneticist calculation requirements regarding genetic counseling. It has also a lot of worked examples. Congratulations to the author!

If to a Genetic Counselor the grammar of medical genetics i.e. risk factor calculation and implication of its outcome means everything then this book belongs to the best group of books. Being a student aspiring to be a genetic counselor, I found this book very informative and useful. Written in a simple way, the complex mathematical calculations have been described with the help of many easy to understand examples. All chapters bear the "key points" which divides the chapter into groups without breaking the continuity. After reading this book an immense idea of Statistical Genetics is bound to emerge in the mind of both students and professionals which will give confidence in the clinic. With best wishes to Ian D. Young for this precise & complete attempt in compiling a good reference book for the genetic counselors.

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