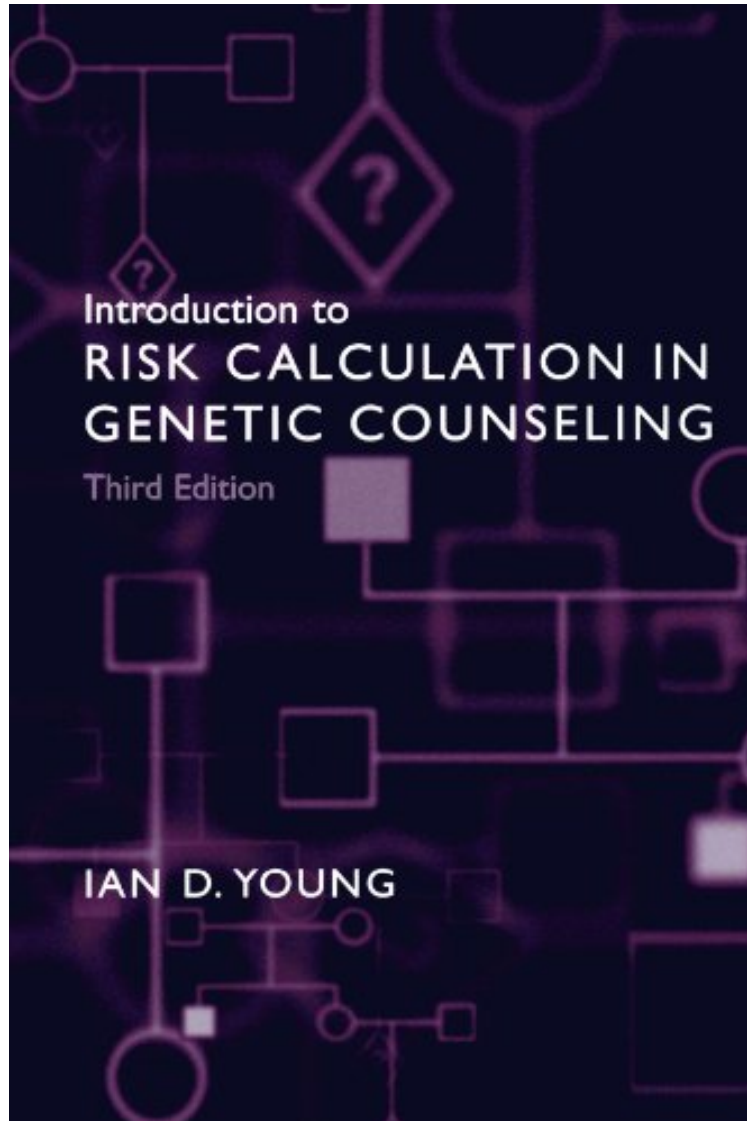


Introduction to Risk Calculation in Genetic Counseling

Ian D. Young

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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 a 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.

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