The Wills Eye Handbook of Ocular Genetics is a practical, reader-friendly guide on the diagnosis and management of ophthalmic genetic conditions. Every chapter begins with a disease overview, followed by relevant modern genetic concepts, pathways to attaining the correct diagnosis, and pitfalls and pearls gleaned from years of hands-on expertise. At the end of each chapter, questions and answers enable readers to test their knowledge in real-life scenarios they might face in everyday practice. The ultimate goal of this clinically robust handbook is to facilitate optimal patient management and outcomes. Key Features: Fundamentals, including basic genetics, inheritance patterns, genetic testing, and ethical issues. Patient-centered genetic counseling issues such as reproduction, dealing with emotional reactions, prognosis, and future options. Anterior segment disorders - from corneal dystrophies and aniridia - to childhood cataract and microphthalmia. A broad spectrum of vitreoretinopathies and retinal diseases including incontinentia pigmenti, retinitis pigmentosa, Bardet-Biedl syndrome, choroideremia, Stargardt disease, achromatopsia, and juvenile X-linked retinoschisis. This textbook is essential reading for practitioners at all levels and in all subspecialties including ophthalmology and genetics. They will find it an excellent resource for navigating the complexities of genetic eye disease.