

Preface

Ophthalmology is one of the fields in medicine, in which there has been rapid progress in the availability and widespread acceptance of several new modalities of diagnostic imaging. Over the past decade, there have been advances in ophthalmic imaging, including wider angle, improved resolution, quicker scan times, and enhanced depth imaging to allow more detailed visualization and better comprehension of the extent of disease and closer scrutiny of the structural changes which improved the understanding of pathophysiology of disease.

The gold standard of imaging as an adjunct to clinical care is taking on a new form, and the ophthalmology community must continually keep abreast of these advances and be able to appropriately incorporate them into clinical practice. This is especially true with diseases of the retina and choroid in uveitis, where functional changes may precede structural changes and having strong knowledge of the strengths of imaging techniques can help identify disease in initial stages and permit early institution of treatment.

In view of the considerable progress made, this book aims at providing up-to-date comprehensive information on the most advanced imaging modalities available for the assessment of retina and choroid, with a focus on uveitis. For each modality, a description of the currently known applicability, role, and limitations within disease entities is reported. Among the newer imaging modalities, detailed attention is paid to the various OCT technologies such as spectral domain OCT, enhanced depth imaging OCT, and en face swept-source OCT. Further individual chapters focus on imaging using adaptive optics, multiview OCT, and OCT angiography.

This book is a modern guide to the ophthalmic imaging techniques that have revolutionized the diagnosis and management of uveitis during the past decade.

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