Contents

Foreword v

Preface to the second edition vii

Preface to the first edition ix

Contributors xv

PART 1: TECHNOLOGY AND INTERPRETATION

SECTION 1: Methods and techniques of OCT angiography examination

Chapter 1
Principles of OCT angiography 3
Yali Jia, Tristan T Hormel, David Huang

Chapter 2
Interpretation of OCT angiography 7
Tristan T Hormel, Yali Jia, David Huang

Chapter 3
OCT angiography: Terminology 13
David Huang, Tristan Hormel, Yali Jia

Chapter 4
OCT angiography in everyday clinical practice 17
Bruno Lumbroso, Marco Rispoli, Maria Cristina Savastano

Chapter 5
Retinal normal vascularization 27
Maria Cristina Savastano, Marco Rispoli, Bruno Lumbroso

Chapter 6
Corneal and anterior segment OCT angiography 31
Yan Li, David Huang, Yali Jia

PART 2: OCT ANGIOGRAPHY STUDY OF DISEASES AND DISORDERS

SECTION 2: Retina OCT angiography examination: Age-related macular degenerations

Chapter 7
OCT angiography of macular neovascularization in neovascular AMD 35
Alexandra Miere, Eric Souied

Chapter 8
OCT angiography of choroidal nonexudative neovascular membrane 45
Riccardo Sacconi, Carlotta Senni, Federico Fantaguzzi, Giuseppe Querques

Chapter 9
OCT angiography other CNV not from AMD 51
Adil El Maftouhi, Maddalena Quaranta-El Maftouhi

Chapter 10
OCT angiography follow-up of neovascularization after treatment 61
Bruno Lumbroso, Marco Rispoli, Maria Cristina Savastano

Chapter 11
Non-neovascular age-related macular degeneration 71
Varsha Pramil, Eric M Moult, Jay S Duker, James G Fujimoto, Nadia K Waheed

SECTION 3: Retina OCT angiography examination: Other macular diseases

Chapter 12
Diabetic retinopathy 81
Talisa E de Carlo, Varsha Pramil, James G Fujimoto, Nadia K Waheed

Chapter 13
Central serous chorioretinopathy and pachychoroid 93
Maria Cristina Savastano, Marco Rispoli, Bruno Lumbroso

Chapter 14
OCT angiography examination of type 2 idiopathic macular telangiectasia 101
Luca Di Antonio, Leonardo Mastropasqua

Chapter 15
OCT angiography of vascular occlusions CRVO, BRVO, CRAO, BRAO, and microvascular occlusions 109
Marco Rispoli, Bruno Lumbroso, Maria Cristina Savastano

Chapter 16
Microvascular occlusions: DRIL, AMN, and PAMM 117
Dmitrii S Maltsev, Alexei N Kulikov, Maria A Burnasheva, Alexander S Vasiliev

Chapter 17
OCT angiography in inflammatory diseases 125
André C Romano, William Warr Binotti, Paula M Marinho, Allexya AA Marcos, Heloisa Nascimento, Rubens Belfort

SECTION 4: Myopia and pathologic myopia

Chapter 18
OCT angiography examination in high myopia 133
Luca Di Antonio, Leonardo Mastropasqua

SECTION 5: Tumors

Chapter 19
OCT angiography in ocular tumors 141
Gilda Cennamo, Daniela Montorio, Giovanni Cennamo

SECTION 6: Glaucoma and optic nerve

Chapter 20
OCT angiography examination in glaucoma 145
David Huang, Michel Puech, Yali Jia, Liang Liu, Mourtaza Aimadaly

Chapter 21
OCT angiography examination in neurodegenerative diseases 151
Emliano Di Carlo, Albert J Augustin

PART 3: FUTURE DEVELOPMENTS IN OCT ANGIOGRAPHY

Chapter 22
The future of OCT and OCT angiography 161
Federico Corvi, Giovanni Staurenghi

Index **165**