Index

Page references in **bold type** refer to illustrations.

A

acetazolamide treatment
  birdshot retinochoroidopathy, 154
  central serous chorioretinopathy, 124
  cystoid macular edema, 132
  retinitis pigmentosa, 64, **65**
acetylsalicylic acid (ASA), and anterior ischemic optic neuropathy, 162
acquired immune deficiency syndrome (AIDS), 144
acute idiopathic blind spot enlargement syndrome (AIBSE), 156
acute macular neuroretinitis (AMN), 156
acute posterior multifocal placoid pigment epitheliopathy (APMPPE), 152, **153**
  vs. MEWDS, 156
acute zonal occult outer retinopathy (AZOOR), 156
adult vitelliform macular dystrophy, 74, **75**
age-related macular degeneration (AMD)
  classification, 26
  dry, 26, 32
  and fundus autofluorescence, 14
  and unnecessary angiography, 5
  wet, 26
age-related macular disease (AMD), 26–31
  classification, 26, **27**
age-related maculopathy, 26, 28, **29–31**
  classification, **29–31**
  and fundus autofluorescence, 14
Aicardi syndrome, 166
AION, *see* anterior ischemic optic neuropathy
amaurosis fugax
  and arterial occlusion, 110
  and ocular ischemic syndrome, 104
amblyopia, and myelinated retinal nerve fibers, 166
AMD, *see* age-related macular degeneration; age-related macular disease
Amsler grid tests, and age-related macular disease, 26
anaglyph, in stereo angiography, 18
anaphylactic shock, 24
anecortave, 60
angiography
  adverse effects, 24–25
  digital, 4
  fluorescein, *see* fluorescein angiography
  indocyanine green, *see* indocyanine green angiography
  after laser treatment for CNV, 54, **55**
  after PDT for choroidal neovascularization, 56, **57**, **59**
  20° section, **8**
  30° section, **8**
  stereo, 18, **19**
angioid streaks, 52, 136, **137**
  and fundus autofluorescence, **17**
angioma, retinal capillary, 86, **87**
angiomatous proliferation, retinal, 48, **49**
angiotensin-converting enzyme (ACE), and sarcoidosis, 146
anterior ischemic optic neuropathy (AION), 160, **161**, 162, **163**
antiangiogenesis, 60
anti-VEGF agents, and occult CNV, 36
APMPPE, *see* acute posterior multifocal placoid pigment epitheliopathy
Arden ratio, 72
ARM, *see* age-related maculopathy
arm–retina time, 5
  prolonged, in arterial occlusion, 110
arterial occlusion, 110, **111**
arterial phase, fluorescein angiography, 6, **8**
arteries, filling, 6, **8**, **9**
arteriolar macroaneurysms, retinal, 114, **115**
arteriovenous phase, 4
  early, 6, **8**, **9**
  late, 6, **8**
  middle, 6, **8**
arthritis, rheumatoid, and posterior scleritis, 148
astrocytoma, 88, **89**
  vs. retinoblastoma, 88
autofluorescence, *see* fundus autofluorescence
autoimmune disorders, 140–159
Avastin, 60, **63**

B

Behçet disease, 142, **143**
  and arterial occlusion, **111**
  and cystoid macular edema, 132
Berlin edema, 135
Best disease, 72, **73**
bevacizumab, 60, **63**
bilateral idiopathic juxtafoveal telangiectasis (BJT), 120, **121**
birdshot retinochoroidopathy, 154, **155**
blockage phenomena
  Behçet disease, **143**
  cytomegalovirus retinitis, 144
blood–retina barrier, 5, 6
  and central retinal vein occlusion, 106
  and hypertensive retinopathy, 102
blooming effect, 10
Bourneville–Pringle disease, and astrocytoma, 88
brachytherapy
  choroidal metastasis, 90
  and vasoproliferative tumors, 92
branch retinal vein occlusion (BRVO), 108, **109**
Bruch membrane, and angioid streaks, 136
bull's-eye maculopathy, 70

C

capillary leakage, clinical effects, 24
capillary occlusion, and Purtscher retinopathy, 112
capillary retinal angioma, *vs.* vasoproliferative tumors, 92
cardiovascular disease, 102
cavernous retinal hemangioma, *vs.* retinal arteriolar macroaneurysms, 114
cellular edema, clinical effects, 24
central retinal artery, occlusion, **111**
central retinal vein occlusion (CRVO), 106, **107**
  ischemic, 106, **107**
  nonischemic, 106, **107**
central serous chorioretinopathy, 124, **125**
  chronic, 126, **127**
  and fundus autofluorescence, **17**
central serous retinopathy (CSR), 124
CHARGE syndrome, 166
cherry-red spot, 110, **111**
chloroquine retinopathy, 14, 76, **77**
cholesterol thrombi, 110
choriocapillaris
  atrophy, **155**
  filling, 5
chorioretinopathy, central serous, 124, **125**
choroid, and posterior scleritis, 148, **149**
choroidal folds, 134, **137**
choroidal hemangioma, 84, **85**
  vs. choroidal melanoma, 84
  vs. retinal capillary angioma, 86
choroidal melanoma, 80, **81**, 82, **83**
  and choroidal folds, 134
  vs. choroidal hemangioma, 84
  vs. choroidal metastasis, 90
  and orange pigment, **123**
  and radiation retinopathy, **123**
  and unnecessary angiography, 5
choroidal metastasis, 90, **91**
  vs. choroidal melanoma, 90
choroidal neovascularization (CNV), 34–63
  and APMPPE, 152
  and Best disease, 72
  classic, 34, **35**
  classic *vs.* occult, 36
  extrafoveal, 44, **45**
  and fundus autofluorescence, **17**
  idiopathic, 52
  intravitreal drug administration, 60–61, **62–63**
  juxtafoveal, 44, **45**, **53**
  laser treatment, 54, **55**
  localization, 44, **45**
  minimal, **39**
  occult, 36, **37**
    vs. central serous chorioretinopathy, 126, **127**
    and ICG angiography, 40, **41**, 42, **43**
    and indocyanine green angiography, 40, **41**, 42, **43**
    minimal classic, 36, **39**
    type 1, 36, **37**

Heimann/Kellner/Foerster, Atlas of Fundus Angiography (ISBN 3131405511) © 2006 Georg Thieme Verlag KG

choroidal neovascularization (CNV)
type 2, 36, **37**
other etiologies, 52, **53**
and PDT, **27**, 52, 56, **57**, **59**
peripapillary, 174, **175**
plaque, **41**
postinflammatory, 52
and serpiginous choroiditis, 158
subfoveal, 44, **45**, **57**, **62**
terminology, 36
and toxoplasmosis chorioretinitis, 140
choroidal nevi, 78, **79**
choroidal ruptures, 135, **137**
choroidal tissue, filling, 6, **8**, **9**
choroidal vasculopathy, polypoidal, 50, **51**
choroidal vessels, 5
dye inflow, 4
filling, 5
choroideremia, 66, **67**
choroiditis
geographic, 158
multifocal, 52
serpiginous, 158, **159**
choroidopathy, helicoid peripapillary, 158
cilioretinal artery, 110
cilioretinal vessels, filling, 5
circulation, double, choroidal melanoma, 80, **81**
classifications
age-related maculopathy, **29–31**
central retinal vein occlusion, 106
diabetic macular edema, 96
geographic atrophy, **31**, **33**
macular holes, 130
retinal angiomatous proliferation, 48
Stargardt disease, 70
telangiectases, 120
clindamycin treatment, and toxoplasmosis chorioretinitis, 140
clinical staging, adverse effects, 24, 25
CME, *see* cystoid macular edema
CNV, *see* choroidal neovascularization
Coats disease, 116, **117**
and telangiectasia, 120, **121**
combination techniques, retinal imaging, 21
combined juxtapapillary hamartoma, 172, **173**
cone–rod dystrophy, 70
and fundus autofluorescence, **15**
congenital retinoschisis, X-linked, 68, **69**
conjunctival granuloma, 146
contraindications
fluorescein angiography, 3
ICG angiography, 10
sodium fluorescein, 3
copper-wire arteries, 102
corticosteroid treatment
and anterior ischemic optic neuropathy, 162
and cystoid macular edema, 132
cotton-wool spots, 94
and branch retinal vein occlusion, 108, **109**
and central retinal vein occlusion, 106, **107**
and choroidal melanoma, **123**
and hypertensive retinopathy, 102, **103**
and ocular ischemic syndrome, 104
and Purtscher retinopathy, 112, **113**
Crohn disease, and optic neuritis, 164
CRVO, *see* central retinal vein occlusion
cryo-endocoagulation, Coats disease, 116
cryotherapy
Coats disease, 116
Eales disease, 118
and vasoproliferative tumors, 92
CSR, *see* central serous retinopathy
cystoid macular edema (CME), **65**, 132, **133**
and Behçet disease, 142, **143**
and birdshot retinochoroidopathy, **155**
and branch retinal vein occlusion, 108, **109**
and sarcoidosis, 146
cytomegalovirus retinitis, 144, **145**

D

dark choroid, 70
diabetes mellitus, 104
and arterial occlusion, 110
and radiation retinopathy, 122
diabetic macular edema, 96, **97–99**
diabetic retinopathy, 94–101
macular edema, 96, **97–99**
nonproliferative (NPDR), 94, **95**
proliferative, **9**, 100, **101**
and unnecessary angiography, 5
diagnosis, molecular-genetic, 68, 70, 74, 88
differential diagnosis
anterior ischemic optic neuropathy, 160, **161**, 162, **163**
optic disc swelling, 160, **161**
diffuse diabetic macular edema, 96, **98**
diffuse retinal pigment epitheliopathy, 126
digital angiography, 4
dot hemorrhage
and Behçet disease, **143**
in ocular ischemic syndrome, 104, **105**
dot hyperfluorescence, and Purtscher retinopathy, 112, **113**
double circulation, choroidal melanoma, 80, **81**
drug administration, intravitreal, for CNV, 60–61, **62–63**
drusen
and age-related maculopathy, 28
and angioid streaks, 136
and choroidal nevi, 78, **79**
and geographic atrophy, 32
optic disc, 168, **169**
and retinal angiomatous proliferation, **49**
dye inflow, choroidal vessels, 4

E

Eales disease, 118, **119**
early phase, ICG angiography, 10, **11**
edema
Berlin, 135
cellular, clinical effects, 24
Ehlers–Danlos syndrome, 136
electrooculogram, and Best disease, 72
electroretinography (ERG)
and birdshot retinochoroidopathy, 154
and choroideremia, 66
and gyrate atrophy, 66
and retinitis pigmentosa, 64
and X-linked congenital retinoschisis, 68
Elschnig spots, 102
emboli, intra-arterial, 110
epimacular membranes, 128
epiretinal gliosis, 128, **129**, 130
examination methods, 3–23
exophthalmos, 170
expanding pinpoint, central serous chorioretinopathy, 124, **125**
extrafoveal CNV, 44, **45**
exudative changes, and fundus autofluorescence, 14

F

FAF, *see* fundus autofluorescence
feeder vessels, and retinal capillary angioma, 86
fibrae medullares, 166, **167**
fluffy-type astrocytoma, 88, **89**
fluorescein angiography, 3–7, **8–9**, 20, **22**
abnormal, 6
adverse effects, 24–25
equipment, 3
interpretation, 4
intravenous access, 3
normal, 5–6
after PDT, 56
phases, 6, **8**, **9**
prerequisites, 3–4
procedure, 4
side effects, 5
and simultaneous indocyanine green angiography, 4
unnecessary, 5
fluorescence, 3
fluorophores, 14
focal diabetic macular edema, 96, **97**
foveal dystrophy, and fundus autofluorescence, **15**
foveal reflex, loss
and cystoid macular edema, **133**
and macular holes, 130
foveal retinoschisis, 68
fundus autofluorescence (FAF), 14–17, **15**, **17**, 20, **22**
clinical applications, 14, 16
normal, 14, **15**
vs. optical coherence tomography, **23**
pathological, 14
patterns
age-related maculopathy, **29–31**
geographic atrophy, **33**
principles, 14
procedure, 14
fundus camera-supported systems, 10, 18
fundus flavimaculatus, 70, **71**
fundus imaging, wide-angle, 20, **22**
fundus photography, 20, **22**

G

Gass classification, 130
telangiectases, 120
GDx VCC system, nerve fiber analysis, 20, **23**
genes
ABCA4, and Stargardt disease, 70
CHF, and age-related macular disease, 26
CHM (REP-1), and choroideremia, 66
CRB1, and retinitis pigmentosa, 116

Heimann/Kellner/Foerster, Atlas of Fundus Angiography (ISBN 3131405511) © 2006 Georg Thieme Verlag KG

OAT, and gyrate atrophy, 66
RDS
and adult vitelliform macular dystrophy, 74
and pattern dystrophies, 74
and retinitis pigmentosa, 64
RS1, and X-linked congenital retinoschisis, 68
TSC1, TSC2, and astrocytoma, 88
VHL, and retinal capillary angioma, 86
VMD2
and adult vitelliform macular dystrophy, 74
and Best disease, 72
genetic predisposition, age-related macular disease, 26
geographic atrophy, 26, 32, **33**
and age-related macular disease, **27**
geographic blockage, choroidal melanoma, 80, **81**, **83**
geographic choroiditis, 158
glaucoma
and choroidal hemangioma, 84
neovascular, and central retinal vein occlusion, 106
and ocular ischemic syndrome, 104
retinal imaging, 21
gliosis
idiopathic epiretinal, 128
macula, 128
granuloma, conjunctival, 146
Grönblad–Strandberg syndrome, 136
gyrate atrophy, 66, **67**

H

hamartoma, juxtapapillary, 172, **173**
hard exudates, in hypertensive retinopathy, **103**
heart valve disease, and arterial occlusion, 110
Heidelberg Retina Angiograph (HRA), 14
and fundus autofluorescence, 20
and infrared reflectance, 20
and stereo angiography, 18
Heidelberg Retina Tomograph (HRT), 21, **23**
and diabetic macular edema, 96
helicoid peripapillary choroidopathy, 158
hemangioma, choroidal, 84, **85**
hereditary disorders, 64–75
see also genes
hereditary retinal dystrophies
and fundus autofluorescence, 14
and unnecessary angiography, 5
herpes simplex virus retinitis, 144, **145**
Histoplasma capsulatum, 52
histoplasmosis, 52
histospots, **53**
HLA-A29.2, and birdshot retinochoroidopathy, 154
HLA-B51
and Behçet disease, 142
and multiple evanescent white dot syndrome, 156
HLA-B53, and Vogt–Koyanagi–Harada syndrome, 150
hot spots
choroidal melanoma, **81**, **83**
and choroidal neovascularization, 40, **41**, 42
in polypoidal choroid vasculopathy, **51**
and retinal angiomatous proliferation, 48, **49**
hydroxychloroquine retinopathy, 76, **77**
hyperfluorescence
blocked, 36
in fluorescein angiography, 6
in ICG angiography, causes, 10
in indocyanine green angiography, 10, **11**
hypertension, 102
and arterial occlusion, 110
hypertensive retinopathy, 102, **103**
hyperthyroidism, and ICG angiography, 10
hypofluorescence
in fluorescein angiography, 6–7
in ICG angiography, causes, 10
in indocyanine green angiography, **13**
hypoperfusion, retinal, 104
hypopyon, and Behçet disease, 142
hypotony, ocular, and choroidal folds, 134

I

iatrogenic injury, 138
ICG, *see* indocyanine green
ICSC, *see* idiopathic central serous chorioretinopathy
idiopathic central serous chorioretinopathy (ICSC), 124
idiopathic epiretinal gliosis, 128
idiopathic parafoveal telangiectasis (IPT), 120
imaging methods, retinal, comparison, 20–21, **22–23**
indications, ICG angiography, 112
indocyanine green (ICG), 10
differences from sodium fluorescein, 3
indocyanine green (ICG) angiography, 10–13, **11**, **13**, 20
adverse effects, 24–25
artefacts, 10, 12
contraindications, 10
high-speed, **19**
hyperfluorescence, 10, **11**
hypofluorescence, **13**
indications, 12
interpretation, 10
normal findings, **11**
and occult CNV, 40, **41**, 42, **43**
phases, 10, **11**, **13**
procedure, 10
and simultaneous fluorescein angiography, 4
stereo, **19**
inflammatory disorders, 140–159
infrared ophthalmoscopy, chronic central serous chorioretinopathy, **127**
infrared reflectance, 20, **22**
intraocular metastases, 90
intraretinal microvascular anomalies (IRMAs), 94
intravenous access, 3
intravitreal drug treatment
angiography after, 60–61, **62–63**
diabetic macular edema, 96
iridocyclitis, chronic, 146
iris neovascularization, 110
Irvine–Gass syndrome, and cystoid macular edema, 132, **133**
ischemic diabetic maculopathy, 96, **98**
ischemic syndrome, ocular, 104, **105**

J

juxtafoveal CNV, 44, **45**
juxtapapillary hamartoma, combined, 172, **173**

K

ketchup fundus, 84

L

laser capsulotomy, and cystoid macular edema, 132
laser coagulation, 54, **55**
and central serous chorioretinopathy, 124
Coats disease, 116
and diabetic macular edema, 96
Eales disease, 118
effect on ischemic retina, **95**
and occult CNV, 36
and vasoproliferative tumors, 92
laser damage, 138
laser pointers, 138
laser scar, dry, 54, **55**
late phase
fluorescein angiography, 6, **8**, **9**
ICG angiography, 10, **11**, **13**
leakage
and choroidal neovascularization, 34, 54, **55**
late, and occult CNV, 36
after PDT, 56
light injury, retina, 138, **139**
lipofuscin, and Best disease, 72
Lucentis, 60
lupus erythematosus
and optic neuritis, 164
and posterior scleritis, 148

M

macroaneurysms, retinal, 102, 114, **115**
Macugen, 60, **62**
macula, diseases, 124–139
macular dystrophy
and fundus autofluorescence, **15**
vitelliform, 72, **73**
adult, 74, **75**
macular edema
cystoid, **65**, 132, **133**
and Behçet disease, 142, **143**
and birdshot retinochoroidopathy, **155**
and branch retinal vein occlusion, 108, **109**
and sarcoidosis, 146
diabetic, 96, **97–99**, **101**
macular holes, 130, **131**
and macular pucker, 128
and trauma, 135
macular pigment density (MPD) measurements, 21, **22**
macular pucker, 128, **129**
macular translocation, 32
and pigment epithelial tear, 46
maculopathy
age-related, 28, **29–31**
hemorrhagic, **51**
magnetic resonance imaging (MRI)
and optic nerve pits, 166
and optic neuritis, 164
malaria prophylaxis, 76

Heimann/Kellner/Foerster, Atlas of Fundus Angiography (ISBN 3131405511) © 2006 Georg Thieme Verlag KG

melanoma, choroidal, 80, **81**, 82, **83**
and choroidal folds, 134
and orange pigment, **123**
and radiation retinopathy, **123**
and unnecessary angiography, 5
metamorphopsia
and age-related macular disease, 26
and choroidal neovascularization, 34
metastasis
choroidal, 90, **91**
vs. melanoma, 90
MEWDS, *see* multiple evanescent white dot syndrome
mfERG, *see* multifocal electroretinography
microaneurysms, 94, **95**
microvascular anomalies, intraretinal (IRMAs), 94
middle phase
fluorescein angiography, 6, **8**
ICG angiography, 10, **11**, **13**
molecular-genetic diagnosis, 68, 70, 74, 88
and vasoproliferative tumors, 92
morning glory syndrome, 166
MPD, *see* macular pigment density
mulberry-type astrocytoma, 88, **89**
multifocal choroiditis with panuveitis (MFCP), 52
multifocal electroretinography (mfERG), 76
multifocal inner choroiditis (MIC), 156
multiple evanescent white dot syndrome (MEWDS), 152, 156, **157**
multiple sclerosis, and optic neuritis, 164
Mycoplasma infection, and anterior ischemic optic neuropathy, 162
myelinated retinal fibers, 166, **167**
myelination, 166
myopia, 52, **53**
and myelinated retinal nerve fibers, 166

N

neovascular glaucoma, and central retinal vein occlusion, 106
neovascularization
iris, 110
and ocular ischemic syndrome, 104
optic disc, 100, **101**
and proliferative diabetic retinopathy, 100
sea fan, **119**
see also choroidal neovascularization
neovascular lesion, 36
nerve fiber analysis, GDx VCC system, 20, **23**
neuritis, optic, 164, **165**
neurofibromatosis type 1, and astrocytoma, 88
neuropathy, optic, anterior ischemic, 160, **161**, 162, **163**
nevi, *see* choroidal nevi
new vessels on the disc (NVD), 100
new vessels elsewhere (NVE), 100
night blindness, 64, 66, 68

O

OCT, *see* optical coherence tomography
ocular histoplasmosis syndrome (OHS), 52, **53**
ocular hypotony, and choroidal folds, 134
ocular ischemic syndrome, 104, **105**
OHS, *see* ocular histoplasmosis syndrome
optical coherence tomography (OCT), 21, **23**
and diabetic macular edema, 96
vs. fundus autofluorescence, **23**
optic nerve pits, **167**
optic disc
drusen, 168, **169**
in papilledema, **171**
tomography, **23**
optic disc swelling
vs. anterior ischemic optic neuropathy, 160, **161**, 162, **163**
differential diagnosis, 160, **161**
and optic neuritis, 164, **165**
optic nerve head
anomalies, 166–169
disorders, 160–175
edema, 112
proliferation, 110
optic nerve pits, 166, **167**
optic neuritis, 164, **165**
optic neuropathy, anterior ischemic, 160, **161**, 162, **163**
orange pigment, 78, **81**, **83**
choroidal melanoma, **123**
orange skin, and angioid streaks, 136

P

panarteritis nodosa, and optic neuritis, 164
panuveitis, 52
papilledema, 170, **171**
parafoveal retinal telangiectasia, 120, **121**
patient information, 4
pattern dystrophies, 74, **75**
PDT, *see* photodynamic therapy
pediatric retinal imaging, 20, **22**
pegaptanib, 60, **62**
peripapillary choroidal neovascularization, 174, **175**
phagocytosis, photoreceptor segment, 14
phases
angiography, 4
fluorescein angiography, 6, **8**, **9**
ICG angiography, 10, **11**, **13**
indocyanine green angiography, 10
photocoagulation, laser, 54, **55**
photodynamic therapy (PDT)
angiography after, 56, **57**, **59**
and choroidal hemangioma, 84
and choroidal neovascularization, 52
and occult CNV, 36
photographic documentation, 3
phototoxicity, 138
pigmentation, after PDT, 56
pigment clumping
and age-related macular disease, **27**
macular, and Purtscher retinopathy, **113**
pigment density measurements, macular, 21
pigment displacement, and angioid streaks, 136
pigment epithelial defects, **71**
and chloroquine retinopathy, **75**
and pattern dystrophy, **75**
pigment epithelial detachment
fibrovascular, 36, **39**
serohemorrhagic, 50
serous, **43**
and retinal angiomatous proliferation, 48
in stereo angiography, **19**
see also retinal pigment epithelium
pigment epithelial tear, 46, **47**
pigment epitheliopathy, acute posterior multifocal placoid, 152, **153**
pinpoint, expanding, central serous chorioretinopathy, 124, **125**
plaque choroidal neovascularization, **41**
plaque hyperfluorescence, 40
POHS, *see* presumed ocular histoplasmosis syndrome
polymerase chain reaction (PCR) diagnosis, and toxoplasmosis chorioretinitis, 140
polypoidal choroidal vasculopathy, 50, **51**
vs. telangiectasia, 120
pregnancy
and central serous chorioretinopathy, 124
and hypertensive retinopathy, 102
and ICG angiography, 10
presumed ocular histoplasmosis syndrome (POHS), 52, **53**
print-out, in stereo angiography, 18
pseudoholes, 130
pseudohyperfluorescence, 10
pseudohypopyon, 72
pseudostereo technique, 18
pseudoxanthoma elasticum, 52
and angioid streaks, 136
punctate inner choroidopathy (PIC), 52, **53**, 156
Purtscher retinopathy, 112, **113**

R

radiation retinopathy, 122, **123**
radiation scar, **123**
radiotherapy, choroidal metastasis, 90
ranibizumab, 60
reflectance, infrared, 20, **22**
renal insufficiency, and fluorescein angiography, 4
RetCam system, 20, **22**
retina
central, diseases, 124–139
hamartoma, juxtapapillary, 172, **173**
light injury, 138, **139**
whitening, and Purtscher retinopathy, 112, **113**
retinal angiomatous proliferation (RAP), 48, **49**
retinal arteriolar macroaneurysms, 114, **115**
vs. cavernous retinal hemangioma, 114
vs. von Hippel–Lindau syndrome, 114
retinal artery, central, occlusion, **111**
retinal breaks, and trauma, 135
retinal capillary angioma, 86, **87**
retinal detachment, and Vogt–Koyanagi–Harada syndrome, **151**
retinal edema, **111**
retinal imaging
combination techniques, 21
glaucoma, 21
history, 20

Heimann/Kellner/Foerster, Atlas of Fundus Angiography (ISBN 3131405511) © 2006 Georg Thieme Verlag KG

retinal imaging methods, comparison, 20–21, **22–23**
retinal macroaneurysm, 102
retinal nerve fiber analysis, 20, **23**
retinal pigment epitheliopathy, diffuse, 126
retinal pigment epithelium (RPE), 5
  and autofluorescence, 14
  and geographic atrophy, 32
  hamartoma, 172, **173**
  see also pigment epithelial detachment
retinal telangiectasia, parafoveal, 120, **121**
retinal thickness analysis, 21, **23**
Retinal Thickness Analyzer (RTA), 21, **23**
  and diabetic macular edema, 96
retinal vasculitis, 146
retinal vein
  branch, occlusion, 108, **109**
  central, occlusion, 106, **107**
retinal vessels
  analysis, 21
  occlusion, and unnecessary angiography, 5
  system, 5
retinitis
  cytomegalovirus, 144, **145**
  herpes simplex virus, 144, **145**
retinitis pigmentosa, 64, **65**
  vs. Coats disease, 116
  and fundus autofluorescence, **17**
retinoblastoma
  vs. astrocytoma, 88
  vs. Coats disease, 116
retinochoroidal dystrophy, and fundus autofluorescence, **15**
retinochoroidopathy, birdshot, 154, **155**
retinopathy
  diabetic, 94–101
  hypertensive, 102, **103**
  Purtscher, 112, **113**
  radiation, 122, **123**
  solar, 138
retinoschisis
  congenital, 68, **69**
  foveal, 68
retrobulbar space-occupying lesions, and choroidal folds, 134
rheumatoid arthritis, and posterior scleritis, 148
RPE, *see* retinal pigment epithelium
RPE tear, *see* pigment epithelial tear
rubeosis iridis, 100
  and ocular ischemic syndrome, **105**

S

salmon spots, and angioid streaks, 136
sarcoidosis, 146, **147**
  and optic neuritis, 164
scanning laser ophthalmoscopy (SLO), 3, 10, 20
scar formation, and choroidal folds, 134
scleral layers, staining, 6
scleritis, posterior, 148, **149**
scotoma
  and light injury, 138
  and optic neuritis, 164
  and toxoplasmosis chorioretinitis, 140
sea fan neovascularization, in Eales disease, **119**
serous pigment epithelial detachment, **43**
serpiginous choroiditis, 158, **159**
smokestack pattern, central serous chorioretinopathy, 124, **125**
sodium fluorescein, 3
  differences from indocyanine green, 3
  diffusion, 5
  phases of angiography, 4
solar retinopathy, 138, **139**
space-occupying lesions, and choroidal folds, 134
spatial definition, 18
staging
  clinical, adverse effects, 24, 25
  retinal angiomatous proliferation, 48
staining, after PDT, 56
Stargardt disease, 70, **71**
  and fundus autofluorescence, **15**
stereo angiography, 18, **19**
strabismus, and myelinated retinal nerve fibers, 166
Sturge–Weber syndrome, and choroidal hemangioma, 84
subfoveal CNV, 44, **45**

T

tear, *see* pigment epithelial tear
telangiectasia/telangiectasis
  and Behçet disease, **143**
  and branch retinal vein occlusion, 108, **109**
  and Eales disease, 118
  parafoveal, 116
  vs. polypoidal choroidal vasculopathy, 120
  and radiation retinopathy, 122, **123**
  retinal, parafoveal, 120, **121**
  and vasoproliferative tumors, 92, **93**
temporal arteritis, 110
temporal pits, 166
thrombus formation, 110
toxic retinal disorders, 76–77
Toxoplasma gondii, 140
toxoplasmosis chorioretinitis, 140, **141**
traction, vitreomacular, 130
trauma
  and choroidal ruptures, 135
  and macular holes, 135
  and Purtscher retinopathy, 112, **113**
  and retinal breaks, 135
triamcinolone, 60
tuberous sclerosis, and astrocytoma, 88
tumors, 78–93

U

ultrasonography
  diagnostic, 21, **23**
  and ocular ischemic syndrome, 105
  and optic disc drusen, 168
umbrella pattern, central serous chorioretinopathy, 124
unilateral juxtafoveal telangiectasis (UJT), 120
Usher's syndrome, 64
uveitis
  and choroidal folds, 134
  posterior, 150

V

vascular epithelial growth factor (VEGF), 60
vasculitis
  and optic neuritis, 164
  retinal, 146
vasodilation, clinical effects, 24
vasoproliferative tumors, 92, **93**
vessel systems, 5
visual acuity
  and age-related macular disease, 26
  and choroidal neovascularization, 34
  loss, and unnecessary angiography, 5
visual evoked potential (VEP), and optic neuritis, 164
vitelliform macular dystrophy, 72, **73**
  adult, 74, **75**
vitrectomy
  and Coats disease, 116
  diabetic macular edema, 96
  and Eales disease, 118
  and macular holes, 130
  macular pucker, 128
  and vasoproliferative tumors, 92
vitreomacular traction, 130
Vogt–Koyanagi–Harada syndrome, 150, **151**
von Hippel–Lindau syndrome
  vs. retinal arteriolar macroaneurysms, 114
  and retinal capillary angioma, 86
  and vasoproliferative tumors, 92

W

Watzke test, and macular holes, 130
Wegener's disease, and posterior scleritis, 148
white dot disorders, 154, 158
white dot syndrome, multiple evanescent, 156, **157**
white spots, and astrocytoma, 88
wide-field imaging, pediatric, 20, **22**
window defects, 6, **9**
  perifoveal, 76
  and pigment epithelial tear, **47**

X

X-linked congenital retinoschisis, 68, **69**

Y

Yannuzzi's classification, retinal angiomatous proliferation, 48
yellow flecks, 70, **71**

Heimann/Kellner/Foerster, Atlas of Fundus Angiography (ISBN 3131405511) © 2006 Georg Thieme Verlag KG