

Χαρακτηριστικά:

- Contains more than **230 algorithms** with accompanying explanations, covering common general signs and symptoms as well as specific eye disorders, organized by subspecialty area
- Covers **all ophthalmic subspecialties**, including orbit and lid, neuro-ophthalmology, pediatrics and strabismus, cornea and external disease, lens/cataract, glaucoma, posterior segment, trauma, and tumors
- **Color-coded for ease of understanding**, helping you differentiate between the key information to gather and questions to consider, actions to take, and any relevant differential diagnoses
- Provides **step-by-step guidance for diagnosis of common complaints** like vision loss, double vision, eye pain, red eye, and tearing; evaluation for elective procedures such as cosmetic eyelid surgery and refractive surgery; the latest treatment for dry eye disease, glaucoma, macular degeneration, childhood myopia, and retinopathy of prematurity; the use of ophthalmic viscoelastic devices and advanced technology intraocular lenses; management of refractive, cataract, and glaucoma intraoperative and postoperative surgical complications; approaches to traumatic injuries and non-accidental trauma; and much more
- Shares the **knowledge and expertise** of editor Dr. Neil J. Friedman, who is joined by section editors who lend a well-rounded perspective across ophthalmic subspecialties: Drs. Ore-Ofe O. Adesina, Zaina Al-Mohtaseb, Ann Caroline Fisher, Peter K. Kaiser, Timothy J. McCulley, and Ann Shue
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures, and references, with the ability to search, make notes and highlights, and have content read aloud. Additional digital ancillary content may publish after the publication date

Περιεχόμενα:

Part 1: Common Signs and Symptoms

Section 1: Symptoms

Vision loss (sudden, gradual, transient, field loss)

Visual distortion

Decreased color vision (dyschromatopsia)

Decreased night vision (nyctalopia)

Double vision (diplopia) (2 types: binocular (horizontal, vertical, intermittent, constant), monocular)

Floaters

Flashes (photopsias)

Glare/Halos

Sensitivity to light (photophobia)

Eye strain (asthenopia)

Eye pain (3 types: ocular (superficial/FBS, deep/ache), orbital/periorbital)

Foreign body sensation

Itchy eye

Red eye
Tearing (epiphora) (adults, children)
Discharge/lid crusting
Lid swelling
Lash loss (madarosis)
Orbital swelling

Section 2: Signs

Progressive/acquired myopia
Progressive/acquired hyperopia
Visual field defect (types: hemianopia (homonymous, bitemporal, binasal), constriction, central, altitudinal, arcuate, enlarged blind spot)
Relative afferent pupillary defect
Anisocoria
Nystagmus
Proptosis
Ptosis (dx, ddx)
Conjunctival membrane/pseudomembrane
Conjunctival inflammation (papillae, follicles, chemosis, injection)
Symblepharon
Dilated episcleral vessels
Pannus
Superficial punctate keratopathy/epitheliopathy
Cornea verticillate
Corneal edema
Corneal opacity
Corneal neovascularization
Hyphema
Hypopyon
Hypotony
Iris heterochromia
Iris neovascularization
Leukocoria
Dislocated lens (ectopia lentis)
Vitritis
Vitreous hemorrhage
Retinal hemorrhage
Cotton wool spots
Roth spots
Retinal embolus
Macular edema
Macular exudates
Retinal vasculitis/periphlebitis
Bull's eye maculopathy

Retinal neovascularization
Choroidal neovascularization
Choroidal folds
Optic disc edema
Optic atrophy

Part 2: Specific Ocular Disorders

Section 3: Orbit/Lid

Orbital fractures
Retrobulbar hemorrhage
Thyroid eye disease
Idiopathic orbital inflammation/Orbital pseudotumor
Orbital tumors
Orbital cellulitis
Preseptal cellulitis
Hordeolum/Chalazion
Eyelid laceration
Ptosis (rx)
Ectropion
Entropion
Blepharospasm
Bell's palsy
Floppy eyelid syndrome
Trichiasis
Eyelid tumors/lesions (benign, malignant)
Acquired nasolacrimal duct obstruction
Canaliculitis
Dacryocystitis
Dacryoadenitis
Lacrimal gland masses

Section 4: Neuro-ophthalmology

Cranial nerve 3 palsy
CN 4 palsy
CN 6 palsy
CN 5 palsy
Multiple cranial nerve palsies
Chronic progressive external ophthalmoplegia
Other motility disturbances
Myasthenia gravis
Papilledema
Pseudopapilledema
Optic neuropathy (AION/NAION, toxic, traumatic, other)
Optic neuritis

Optic nerve tumors
Visual hallucinations
Migraine
Functional visual loss
Amaurosis fugax
Visual pathway lesions/Chiasm syndromes
Vertebrobasilar insufficiency

Section 5: Pediatrics/Strabismus

Myopia (rx)
Amblyopia
Esotropia
Exotropia
A and V patterns
Dissociated vertical deviation
Duane syndrome
Brown syndrome
Childhood orbital tumors
Congenital ptosis
Congenital nasolacrimal duct obstruction
Ophthalmia neonatorum
Cloudy cornea
Congenital cataracts
Childhood glaucoma
Anterior uveitis
Posterior uveitis
Retinopathy of prematurity
Coats disease
Color deficiency
Hereditary chorioretinal dystrophies
Hereditary macular dystrophies
Retinitis pigmentosa
Albinism
Leber congenital amaurosis
Phakomatoses
Retinoblastoma
Hereditary optic neuropathies

Section 6: Cornea/External Disease

Blepharitis
Meibomian gland dysfunction
Dry eye disease
Conjunctival foreign body
Conjunctivitis (acute, chronic)

Pterygium
Pigmented conjunctival lesions
Conjunctival squamous carcinoma
Episcleritis
Scleritis
Corneal laceration/open globe
Corneal foreign body
Corneal abrasion
Chemical burn
Contact lens-related disorders
Limbal stem cell deficiency
Recurrent erosion
Anterior basement membrane dystrophy
Stromal dystrophies
Fuchs dystrophy (corneal endothelial dystrophy)
Salzmann nodule
Corneal ulcer (central, peripheral)
HSV keratitis
Herpes Zoster ophthalmicus
Peripheral ulcerative keratitis
Keratoconus
Refractive surgery/Laser vision correction screening
Corneal haze
Keratectasia
Diffuse lamellar keratitis
Flap striae

Section 7: Anterior Segment

Iris nodules
Iris tumors
Plateau iris
Pigment dispersion syndrome
Pseudoexfoliation
Presbyopia (rx)

Section 8: Cataracts and Glaucoma

Advanced technology IOLs (screening, workup)
Intraoperative floppy iris syndrome (IFIS)
Zonular weakness/dehiscence
Blurry vision after cataract surgery
Posterior capsular opacification
Retained lens fragment
Dislocated IOL
Toxic anterior segment syndrome (TASS)

Postoperative endophthalmitis
Ocular hypertension
Glaucoma suspect
Acute angle-closure glaucoma
Secondary angle-closure glaucoma
Primary open angle glaucoma (dx/workup)
Normal tension glaucoma
Pseudoexfoliation glaucoma
Pigment dispersion glaucoma
Neovascular glaucoma
Malignant glaucoma
Uveitic glaucoma
Lens-induced glaucoma
Medical glaucoma treatment
Laser glaucoma treatment
Surgical glaucoma treatment
Minimally invasive glaucoma surgery (MIGS)
Shallow chamber after glaucoma surgery
Blebitis

Section 10: Uveitis

Anterior uveitis
Intermediate uveitis
Pars planitis
Posterior uveitis (infections, white-dot syndromes, inflammatory conditions)
Panuveitis
Uveitis (treatment: local, systemic)
Endophthalmitis

Section 11: Posterior Segment

Penetrating trauma/intraocular foreign body
Choroidal rupture
Posterior vitreous detachment
Retinal tear
Rhegmatogenous retinal detachment
Lattice degeneration
Retinal artery occlusions
Retinal vein occlusions
Hypertensive retinopathy
Diabetic retinopathy (NPDR, PDR, rx)
Epiretinal membrane
Cystoid macular edema (rx)
Central serous chorioretinopathy
Vitreomacular traction

Macular hole
Age-related macular degeneration (dry, wet)
Wet AMD treatment
Macular telangiectasia
Myopic degeneration
Toxic maculopathies
Retinal infections/inflammations (Uveitis section?)
Serous retinal detachment
Choroidal effusion
Choroidal detachment
Choroidal nevus
Choroidal melanoma
Low vision (eval, management)