

COMPUTERIZED IMAGING SCANNING COMPUTERIZED OPHTHALMIC DIAGNOSTIC IMAGING (SCODI) CPT 92132, 92133, 92134	Original Effective Date:	11/26/2013
	Most Recent Review Date:	08/13/2023
	Latest Revision Date:	04/22/2021

Scope: Guidance applies to computerized diagnostic imaging of the eye including:

- Confocal laser scanning ophthalmoscopy (Topography) of optic nerve or retina
- Scanning laser polarimetry
- Optical coherence tomography (OCT)
- Retinal thickness analysis

Optic nerve OCT (CPT 92133) and retinal OCT (CPT 92134) are medically necessary for documenting and monitoring the progression of optic nerve head and retinal disease. CPT 92133 and CPT 92134 are mutually exclusive of each other and cannot be unbundled. Both tests cannot be billed on the same day. The test that provides the most information for the date of service is billed.

Medical necessity review by a Medical Director required if diagnosis criteria not met.

Approval Process:

A. Non-clinical medical team approval authority for codes listed below:

CPT 92133	Scanning computerized ophthalmic diagnostic imaging, posterior segment, with interpretation and report, unilateral or bilateral; optic nerve
CPT 92134	Scanning computerized ophthalmic diagnostic imaging, posterior segment, with interpretation and report, unilateral or bilateral; retina
ICD-10	
A18.53	Tuberculous chorioretinitis
B39.4	Histoplasmosis capsulati, unspecified
C69.21- C69.22	Malignant neoplasm of retina
C69.31- C69.32	Malignant neoplasm of choroid
D31.31- D31.32	Benign neoplasm of choroid
E08.3211- E08.3593	Diabetes mellitus due to underlying condition with diabetic retinopathy
E09.3211- E09.3593	Drug or chemical induced diabetes mellitus with diabetic retinopathy
E10.3211- E10.3543	Type 1 diabetes mellitus with diabetic retinopathy

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E10.3551- E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy,
E11.3211- E11.3543	Type 2 diabetes mellitus with diabetic retinopathy
E11.3551- E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy
E11.3591- E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
E13.3211- E13.3543	Other specified diabetes mellitus with diabetic retinopathy
E13.3551- E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy
E13.3591- E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
H30.011- H30.043	Focal chorioretinal inflammation
H30.111- H30.133	Disseminated chorioretinal inflammation
H30.141- H30.143	Acute posterior multifocal placoid pigment epitheliopathy,
H30.21- H30.23	Posterior cyclitis
H30.811- H30.813	Harada's disease
H30.891- H30.893	Other chorioretinal inflammations
H31.021- H31.023	Solar retinopathy
H31.411- H31.413	Hemorrhagic choroidal detachment
H31.421- H31.423	Serous choroidal detachment
H33.011- H33.043	Retinal detachment with breaks/tears
H33.051- H33.053	Total retinal detachment
H33.191- H33.193	Other retinoschisis and retinal cysts
H33.21- H33.23	Serous retinal detachment
H33.321- H33.323	Round hole
H33.331- H33.333	Multiple defects of retina without detachment

H33.41- H33.43	Traction detachment of retina
H34.01- H34.03	Transient retinal artery occlusion
H34.11- H34.13	Central retinal artery occlusion
H34.211- H34.213	Partial retinal artery occlusion
H34.231- H34.233	Retinal artery branch occlusion
H34.8110- H34.8132	Central retinal vein occlusion
H34.8310- H34.8332	Tributary (branch) retinal vein occlusion
H35.021- H35.023	Exudative retinopathy
H35.041- H35.043	Retinal micro-aneurysms, unspecified
H35.051- H35.053	Retinal neovascularization, unspecified
H35.061- H35.063	Retinal vasculitis
H35.071- H35.073	Retinal telangiectasis
H35.09	Other intraretinal microvascular abnormalities
H35.21- H35.23	Other non-diabetic proliferative retinopathy
H35.3110- H35.3134	Nonexudative age-related macular degeneration
H35.3210- H35.3233	Exudative age-related macular degeneration
H35.33	Angioid streaks of macula
H35.341- H35.343	Macular cyst, hole, or pseudo-hole
H35.351- H35.353	Cystoid macular degeneration
H35.361- H35.363	Drusen (degenerative) of macula
H35.371- H35.373	Puckering of macula
H35.381- H35.383	Toxic maculopathy
H35.421- H35.423	Microcystoid degeneration of retina

H35.451- H35.453	Secondary pigmentary degeneration
H35.461- H35.463	Secondary vitreoretinal degeneration
H35.50	Unspecified hereditary retinal dystrophy
H35.51	Vitreoretinal dystrophy
H35.52	Pigmentary retinal dystrophy
H35.53	Other dystrophies primarily involving the sensory retina
H35.54	Dystrophies primarily involving the retinal pigment epithelium
H35.61- H35.63	Retinal hemorrhage
H35.70	Unspecified separation of retinal layers
H35.711- H35.713	Central serous chorioretinopathy
H35.721- H35.723	Serous detachment of retinal pigment epithelium
H35.731- H35.733	Hemorrhagic detachment of retinal pigment epithelium
H35.81	Retinal edema
H35.82	Retinal ischemia
H35.89	Other specified retinal disorders
H40.011- H40.013	Open angle with borderline findings, low risk
H40.021- H40.023	Open angle with borderline findings, high risk
H40.041- H40.043	Steroid responder
H40.061- H40.063	Primary angle closure without glaucoma damage
H40.1111- H40.1114	Primary open angle glaucoma, right eye
H40.1121- H40.1124	Primary open angle glaucoma, left eye
H40.1131- H40.1134	Primary open angle glaucoma, bilateral
H40.1211- H40.1214	Low-tension glaucoma, right eye
H40.1221- H40.1224	Low-tension glaucoma, left eye
H40.1311- H40.1314	Pigmentary glaucoma, right eye
H40.1321- H40.1324	Pigmentary glaucoma, left eye

H40.1331- H40.1334	Pigmentary glaucoma, bilateral
H40.1411- H40.1434	Capsular glaucoma with pseudoexfoliation of lens
H40.211- H40.213	Acute angle-closure glaucoma
H40.2211- H40.2234	Chronic angle-closure glaucoma
H40.231- H40.233	Intermittent angle-closure glaucoma
H40.241- H40.243	Residual stage of angle-closure glaucoma
H40.31X1- H40.33X4	Glaucoma secondary to eye trauma
H40.41X1- H40.43X4	Glaucoma secondary to eye inflammation
H40.51X1- H40.53X4	Glaucoma secondary to other eye disorders
H40.61X1- H40.63X4	Glaucoma secondary to drugs
H40.811- H40.813	Glaucoma with increased episcleral venous pressure
H40.821- H40.823	Hypersecretion glaucoma
H40.831- H40.833	Aqueous misdirection, right eye
H40.89	Other specified glaucoma
H43.10 – H43.13	Vitreous Hemorrhage
H43.821- H43.823	Vitreomacular adhesion
H44.111- H44.113	Panuveitis
H44.2A1- H44.2E3	Degenerative myopia
H46.01- H46.03	Optic papillitis
H46.11- H46.13	Retrobulbar neuritis
H46.8	Other Optic Neuritis
H47.011- H47.013	Ischemic optic neuropathy
H47.031- H47.033	Optic nerve hypoplasia

H47.11- H47.13	Papilledema
H47.141- H47.143	Foster-Kennedy syndrome
H47.211- H47.213	Primary optic atrophy
H47.231- H47.233	Glaucomatous Optic atrophy
H47.291- H47.293	Other optic atrophy
H47.321- H47.323	Drusen of optic disc
H47.331- H47.333	Pseudopapilledema of optic disc
H53.15	Visual distortions of shape and size
H53.411- H53.423	Scotoma
H53.451- H53.453	Other localized visual field defect
H53.481- H53.483	Generalized contraction of visual field
H59.031- H59.033	Cystoid macular edema following cataract surgery
Q15.0	Congenital Glaucoma
Z79.899	Other long term (current) drug therapy

CPT 92132	Scanning computerized ophthalmic diagnostic imaging, anterior segment, with interpretation and report, unilateral or bilateral

CD-10 CODE	DESCRIPTION
C69.01	Malignant neoplasm of right conjunctiva
C69.02	Malignant neoplasm of left conjunctiva
C69.11	Malignant neoplasm of right cornea
C69.12	Malignant neoplasm of left cornea
C69.41	Malignant neoplasm of right ciliary body
C69.42	Malignant neoplasm of left ciliary body

CD-10 CODE	DESCRIPTION
H17.01	Adherent leukoma, right eye
H17.02	Adherent leukoma, left eye
H17.03	Adherent leukoma, bilateral
H17.11	Central corneal opacity, right eye
H17.12	Central corneal opacity, left eye
H17.13	Central corneal opacity, bilateral
H17.811	Minor opacity of cornea, right eye
H17.812	Minor opacity of cornea, left eye
H17.813	Minor opacity of cornea, bilateral
H17.821	Peripheral opacity of cornea, right eye
H17.822	Peripheral opacity of cornea, left eye
H17.823	Peripheral opacity of cornea, bilateral
H17.89	Other corneal scars and opacities
H18.20	Unspecified corneal edema
H18.211	Corneal edema secondary to contact lens, right eye
H18.212	Corneal edema secondary to contact lens, left eye
H18.213	Corneal edema secondary to contact lens, bilateral
H18.221	Idiopathic corneal edema, right eye
H18.222	Idiopathic corneal edema, left eye
H18.223	Idiopathic corneal edema, bilateral
H18.231	Secondary corneal edema, right eye
H18.232	Secondary corneal edema, left eye
H18.233	Secondary corneal edema, bilateral
H21.221	Degeneration of ciliary body, right eye
H21.222	Degeneration of ciliary body, left eye
H21.223	Degeneration of ciliary body, bilateral
H21.231	Degeneration of iris (pigmentary), right eye
H21.232	Degeneration of iris (pigmentary), left eye
H21.233	Degeneration of iris (pigmentary), bilateral
H21.271	Miotic pupillary cyst, right eye
H21.272	Miotic pupillary cyst, left eye
H21.273	Miotic pupillary cyst, bilateral
H21.301	Idiopathic cysts of iris, ciliary body or anterior chamber, right eye
H21.302	Idiopathic cysts of iris, ciliary body or anterior chamber, left eye
H21.303	Idiopathic cysts of iris, ciliary body or anterior chamber, bilateral

CD-10 CODE	DESCRIPTION
H21.311	Exudative cysts of iris or anterior chamber, right eye
H21.312	Exudative cysts of iris or anterior chamber, left eye
H21.313	Exudative cysts of iris or anterior chamber, bilateral
H21.321	Implantation cysts of iris, ciliary body or anterior chamber, right eye
H21.322	Implantation cysts of iris, ciliary body or anterior chamber, left eye
H21.323	Implantation cysts of iris, ciliary body or anterior chamber, bilateral
H21.89	Other specified disorders of iris and ciliary body
H40.021	Open angle with borderline findings, high risk, right eye
H40.022	Open angle with borderline findings, high risk, left eye
H40.023	Open angle with borderline findings, high risk, bilateral
H40.031	Anatomical narrow angle, right eye
H40.032	Anatomical narrow angle, left eye
H40.033	Anatomical narrow angle, bilateral
H40.061	Primary angle closure without glaucoma damage, right eye
H40.062	Primary angle closure without glaucoma damage, left eye
H40.063	Primary angle closure without glaucoma damage, bilateral
H40.211	Acute angle-closure glaucoma, right eye
H40.212	Acute angle-closure glaucoma, left eye
H40.213	Acute angle-closure glaucoma, bilateral
H40.2211	Chronic angle-closure glaucoma, right eye, mild stage
H40.2212	Chronic angle-closure glaucoma, right eye, moderate stage
H40.2213	Chronic angle-closure glaucoma, right eye, severe stage
H40.2214	Chronic angle-closure glaucoma, right eye, indeterminate stage
H40.2221	Chronic angle-closure glaucoma, left eye, mild stage
H40.2222	Chronic angle-closure glaucoma, left eye, moderate stage
H40.2223	Chronic angle-closure glaucoma, left eye, severe stage
H40.2224	Chronic angle-closure glaucoma, left eye, indeterminate stage
H40.2231	Chronic angle-closure glaucoma, bilateral, mild stage
H40.2232	Chronic angle-closure glaucoma, bilateral, moderate stage
H40.2233	Chronic angle-closure glaucoma, bilateral, severe stage
H40.2234	Chronic angle-closure glaucoma, bilateral, indeterminate stage
H40.231	Intermittent angle-closure glaucoma, right eye
H40.232	Intermittent angle-closure glaucoma, left eye
H40.233	Intermittent angle-closure glaucoma, bilateral
H40.241	Residual stage of angle-closure glaucoma, right eye

CD-10 CODE	DESCRIPTION
H40.242	Residual stage of angle-closure glaucoma, left eye
H40.243	Residual stage of angle-closure glaucoma, bilateral
H40.31X1	Glaucoma secondary to eye trauma, right eye, mild stage
H40.31X2	Glaucoma secondary to eye trauma, right eye, moderate stage
H40.31X3	Glaucoma secondary to eye trauma, right eye, severe stage
H40.31X4	Glaucoma secondary to eye trauma, right eye, indeterminate stage
H40.32X1	Glaucoma secondary to eye trauma, left eye, mild stage
H40.32X2	Glaucoma secondary to eye trauma, left eye, moderate stage
H40.32X3	Glaucoma secondary to eye trauma, left eye, severe stage
H40.32X4	Glaucoma secondary to eye trauma, left eye, indeterminate stage
H40.33X1	Glaucoma secondary to eye trauma, bilateral, mild stage
H40.33X2	Glaucoma secondary to eye trauma, bilateral, moderate stage
H40.33X3	Glaucoma secondary to eye trauma, bilateral, severe stage
H40.33X4	Glaucoma secondary to eye trauma, bilateral, indeterminate stage
T86.840	Corneal transplant rejection
T86.841	Corneal transplant failure
T86.842	Corneal transplant infection

Summary of Revisions:

Date	Revision
04/22/2021	Added H35.54 to nonclinical team approval codes for CPT 92134
10/30/2020	Added H44.111-H44.113 to nonclinical team approval codes
09/23/2020	Added V43.10 – V43.13 to nonclinical team approval codes
09/18/2020	Updated Scope. Combined retina and optic nerve related diagnose
08/06/2020	Deleted diagnoses requiring Medical Director review, updated diagnosis codes, added References
08/11/2017	Removed ICD-9s; updated ICD-10s list
08/07/2015	Added ICD-10s

References:

Center for Medicare and Medicaid Services (CMS), Regulations and Guidance; [Regulations & Guidance - Centers for Medicare & Medicaid Services, http://www.cms.gov/Regulations-and-Guidance/Regulations-and-Guidance.html](http://www.cms.gov/Regulations-and-Guidance/Regulations-and-Guidance.html); 08/01/2013

CMS National Coverage Determinations (NCDs); [National Coverage Determinations \(NCDs\) Alphabetical Index http://www.cms.gov/medicare-coverage-database/indexes/ncd-alphabetical-index.aspx](http://www.cms.gov/medicare-coverage-database/indexes/ncd-alphabetical-index.aspx); 08/01/2013

FIRST COAST SERVICE OPTIONS MAC - PART A/B LOCAL COVERAGE DETERMINATION - Scanning Computerized Ophthalmic Diagnostic Imaging (L33751), effective 11/28/2019

FIRST COAST SERVICE OPTIONS MAC - PART A/B LOCAL COVERAGE ARTICLE - Billing and Coding: Scanning Computerized Ophthalmic Diagnostic Imaging (A57804), effective 04/24/2020

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Zeimer R, Asrani S, Zou S, et al. Quantitative detection of glaucomatous damage at the posterior pole by retinal thickness mapping: A pilot study. *Ophthalmology*.1998;105:2:224-231