

## Clinical Policy: Fluorescein Angiography

Reference Number: OC.UM.CP.0028 Last Review Date: 11/2022 Coding Implications Revision Log

# See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

#### Description

Intravenous fluorescein angiography or fluorescent angiography is a technique for examining the circulation of the retina and choroid using a fluorescent dye and a specialized camera. It involves injection of sodium fluorescein into the systemic circulation, and then an angiogram is obtained by photographing the fluorescence emitted after illumination of the retina with blue light at a wavelength of 490 nanometers. This policy describes the medical necessity guidelines for fluorescein angiography.

#### **Policy/Criteria**

- I. It is the policy of health plans affiliated with Envolve Vision, Inc.<sup>®</sup> (Envolve) that fluorescein angiography is **medically necessary** for the following indications:
  - A. Initial evaluation of a patient with abnormal findings of the fundus / retina on ophthalmoscopy exam including one of the following:
    - 1. Choroidal neovascular membranes
    - 2. Lesions of the retinal pigment epithelium (RPE)
      - a. Serous Detachment of the RPE
      - b. Tears or rips of the RPE
      - c. Hemorrhagic detachment
    - 3. Fibrovascular disciform scar
    - 4. Vitreous hemorrhage (patient presents with sudden loss of vision)
    - 5. Drusen
    - 6. Diabetic retinopathy
  - B. Evaluation of patient presenting with symptoms of sudden vision loss (especially central vision), blurred vision, distortion, etc., which may suggest a subretinal neovascularization and abnormal findings of the fundus / retina on ophthalmoscopy exam.
  - C. Evaluation of patients with nonproliferative (background) and proliferative diabetic retinopathy without macular edema. Frequency is determined by disease progression and the treatment performed. Fluorescein angiography may be performed on the treated eye only at 6 weeks post-treatment and as often as every 8-12 weeks to assist in management of the retinopathy.
    - a. Background retinopathy is characterized by intraretinal microaneurysms, hemorrhages and hard exudates
    - b. Proliferative retinopathy is characterized by neovascularization arising from the disk or the retinal vessels
  - D. Evaluation of patients with chorioretinitis, chorioretinal scars of choroidal degeneration, dystrophies, hemorrhage and rupture or detachment
  - E. Evaluation of patients with known retinal or macular disorders such as:
    - a. Age-related macular degeneration
      - i. Nonexudative every 6 to 12 months
      - ii. Exudative



- a) 1 to 2 weeks, 1 month, 6 weeks post photocoagulation
- b) Then every 6 to 12 months
- b. Macular edema
- c. Cystoid macular edema
- d. Central retinal vein occlusion
- e. Branch retinal vein occlusion
- f. Tumors of the choroid and retina
- g. Retinal arterial disease
- F. Evaluation of patients with ocular tumors, visual loss in systemic disease and optic dise disease

#### Background

Fluorescein angiography plays an important role in ophthalmoscopic diagnosis, especially the diagnosis and evaluation of many retinal conditions. Because it can precisely delineate areas of abnormality, it is an essential guide for planning laser treatment of retinal vascular disease. Following the intravascular administration of a contrast solution of sodium fluorescein, a blue light is used to excite the fluorescein that is useful in detecting leaking capillaries (subretinal neovascularization). A permanent record of the study is always made using either photographic or electronic imaging methods. Multiple black and white photographs of the ocular fundus at different times following fluorescein injection provides much information concerning vascular obstructions, neovascularization, microaneurysms, abnormal capillary permeability and defects of the retinal pigment epithelium. Normal values of a fluorescein angiogram include normal retinal vessels, retina, and choroidal circulation. The test uses the dye tracing method.

- Baseline color and black and white red-free filtered images are taken prior to injection. The black and white images are filtered red-free (a green filter) to increase contrast and often gives a better image of the fundus than the color image.
- A 6 second bolus injection of 2-5cc of sodium fluorescein into a vein in the arm or hand.
- A series of black-and-white or digital photographs are taken of the retina before and after the fluorescein reaches the retinal circulation (approximately 10 seconds after injection). The early images allow for the recognition of autofluorescence of the retinal tissues. Photos are taken approximately once every second for about 20 seconds, then less often. A delayed image is obtained at 5 and 10 minutes. Some doctors like to see a 15 minute image as well.
- A filter is placed in the camera so only the fluorescent, yellow-green light (530 nm) is recorded. The camera may however pick up signals from pseudofluorescence or autofluorescence. In pseudofluorescence, non-fluorescent light is imaged. This occurs when blue light reflected from the retina passes through the filter. This is generally a problem with older filters, and annual replacement of these filters is recommended. In autofluorescence, fluorescence from the eye occurs without injection of the dye. This may be seen with optic nerve head drusen, astrocytic hamartoma, or calcific scarring.
- Black-and-white photos give better contrast than color photos, which are not necessary since only one color is being transmitted though the filter.

#### **Coding Implications**

This clinical policy references Current Procedural Terminology (CPT<sup>®</sup>). CPT<sup>®</sup> is a registered trademark of the American Medical Association. All CPT codes and descriptions are copyrighted 2020, American Medical Association. All rights reserved. CPT codes and CPT descriptions are



from the current manuals and those included herein are not intended to be all-inclusive and are included for informational purposes only. Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

CPT <sup>®</sup> Codes	Description
92235	Fluorescein angiography (includes multi-frame imaging) with interpretation and report

#### ICD-10-CM Diagnosis Codes that Support Coverage Criteria

ICD-10-CM Description Code Tuberculous chorioretinitis A18.53 B20 Human immunodeficiency virus [HIV] disease Histoplasmosis capsulati unspecified B39.4 B39.5 Histoplasmosis duboisii B39.9 Histoplasmosis, unspecified B58.01 Toxoplasma chorioretinitis C69.21 Malignant neoplasm of right retina Malignant neoplasm of left retina C69.22 Malignant neoplasm of right choroid C69.31 C69.32 Malignant neoplasm of left choroid Benign neoplasm of right retina D31.21 D31.22 Benign neoplasm of left retina D31.31 Benign neoplasm of right choroid Benign neoplasm of left choroid D31.32 Sarcoid iridocyclitis D86.83 E08.3211 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye E08.3212 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye E08.3213 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral E08.3291 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye E08.3292 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye E08.3293 Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral Diabetes mellitus due to underlying condition with moderate E08.3311 nonproliferative diabetic retinopathy with macular edema, right eye

+ Indicates a code requiring an additional character



ICD-10-CM Code	Description
E08.3312	Diabetes mellitus due to underlying condition with moderate
100.3312	nonproliferative diabetic retinopathy with macular edema, left eye
E08.3313	Diabetes mellitus due to underlying condition with moderate
E06.5515	
E09 2201	nonproliferative diabetic retinopathy with macular edema, bilateral
E08.3391	Diabetes mellitus due to underlying condition with moderate
E00.2202	nonproliferative diabetic retinopathy without macular edema, right eye
E08.3392	Diabetes mellitus due to underlying condition with moderate
<b>F</b> 00.000	nonproliferative diabetic retinopathy without macular edema, left eye
E08.3393	Diabetes mellitus due to underlying condition with moderate
	nonproliferative diabetic retinopathy without macular edema, bilateral
E08.3411	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy with macular edema, right eye
E08.3412	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy with macular edema, left eye
E08.3413	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy with macular edema, bilateral
E08.3491	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy without macular edema, right eye
E08.3492	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy without macular edema, left eye
E08.3493	Diabetes mellitus due to underlying condition with severe
	nonproliferative diabetic retinopathy without macular edema, bilateral
E08.3511	Diabetes mellitus due to underlying condition with proliferative diabetic
200.5511	retinopathy with macular edema, right eye
E08.3512	Diabetes mellitus due to underlying condition with proliferative diabetic
200.5512	retinopathy with macular edema, left eye
E08.3513	Diabetes mellitus due to underlying condition with proliferative diabetic
L00.5515	retinopathy with macular edema, bilateral
E08.3521	Diabetes mellitus due to underlying condition with proliferative diabetic
100.3321	retinopathy with traction retinal detachment involving the macula, right
E09 2522	eye Dishetes mellitus due to underlying condition with multiferative dishetic
E08.3522	Diabetes mellitus due to underlying condition with proliferative diabetic
	retinopathy with traction retinal detachment involving the macula, left
E00.2522	
E08.3523	Diabetes mellitus due to underlying condition with proliferative diabetic
	retinopathy with traction retinal detachment involving the macula,
<b>F00 2521</b>	bilateral
E08.3531	Diabetes mellitus due to underlying condition with proliferative diabetic
	retinopathy with traction retinal detachment not involving the macula,
	right eye
E08.3532	Diabetes mellitus due to underlying condition with proliferative diabetic
	retinopathy with traction retinal detachment not involving the macula,
	left eye



ICD-10-CM	Description
Code	
E08.3533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
E08.3541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
E08.3542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
E08.3543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
E08.3551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye
E08.3552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye
E08.3553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral
E08.3591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye
E08.3592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye
E08.3593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral
E08.37X1	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye
E08.37X2	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye
E08.37X3	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral
E09.3211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
E09.3212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
E09.3213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
E09.3291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
E09.3292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
E09.3293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
E09.3311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye



ICD-10-CM	Description
Code	Description
E09.3312	Drug or chemical induced diabetes mellitus with moderate
E09.3312	e
E00 2212	nonproliferative diabetic retinopathy with macular edema, left eye
E09.3313	Drug or chemical induced diabetes mellitus with moderate
F00.0001	nonproliferative diabetic retinopathy with macular edema, bilateral
E09.3391	Drug or chemical induced diabetes mellitus with moderate
	nonproliferative diabetic retinopathy without macular edema, right eye
E09.3392	Drug or chemical induced diabetes mellitus with moderate
	nonproliferative diabetic retinopathy without macular edema, left eye
E09.3393	Drug or chemical induced diabetes mellitus with moderate
	nonproliferative diabetic retinopathy without macular edema, bilateral
E09.3411	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy with macular edema, right eye
E09.3412	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy with macular edema, left eye
E09.3413	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy with macular edema, bilateral
E09.3491	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy without macular edema, right eye
E09.3492	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy without macular edema, left eye
E09.3493	Drug or chemical induced diabetes mellitus with severe nonproliferative
	diabetic retinopathy without macular edema, bilateral
E09.3511	Drug or chemical induced diabetes mellitus with proliferative diabetic
20,00011	retinopathy with macular edema, right eye
E09.3512	Drug or chemical induced diabetes mellitus with proliferative diabetic
20,00012	retinopathy with macular edema, left eye
E09.3513	Drug or chemical induced diabetes mellitus with proliferative diabetic
10,0000	retinopathy with macular edema, bilateral
E09.3521	Drug or chemical induced diabetes mellitus with proliferative diabetic
109.3521	retinopathy with traction retinal detachment involving the macula, right
	eye
E09.3522	Drug or chemical induced diabetes mellitus with proliferative diabetic
107.3322	retinopathy with traction retinal detachment involving the macula, left
	eye
E09.3523	Drug or chemical induced diabetes mellitus with proliferative diabetic
£09.3323	retinopathy with traction retinal detachment involving the macula,
	bilateral
E09.3531	
207.3331	Drug or chemical induced diabetes mellitus with proliferative diabetic
	retinopathy with traction retinal detachment not involving the macula,
E00 2522	right eye
E09.3532	Drug or chemical induced diabetes mellitus with proliferative diabetic
	retinopathy with traction retinal detachment not involving the macula,
	left eye



ICD-10-CM	Description
Code	
E09.3533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
E09.3541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
E09.3542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
E09.3543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
E09.3551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye
E09.3552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye
E09.3553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
E09.3591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
E09.3592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
E09.3593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
E09.37X1	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
E09.37X2	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
E09.37X3	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye



ICD-10-CM	Description
Code	
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy with macular edema, left eye
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy with macular edema, bilateral
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, right eye
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, left eye
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, bilateral
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	with macular edema, right eye
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	with macular edema, left eye
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	with macular edema, bilateral
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, right eye
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, left eye
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, bilateral
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	macular edema, right eye
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	macular edema, left eye
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	macular edema, bilateral
E10.3521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment involving the macula, right eye
E10.3522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment involving the macula, left eye
E10.3523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment involving the macula, bilateral
E10.3531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, right eye
E10.3532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, left eye
E10.3533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, bilateral
E10.3541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with
	combined traction retinal detachment and rhegmatogenous retinal
	detachment, right eye



ICD-10-CM Code	Description
E10.3542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
E10.3543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
E10.3551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye
E10.3552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye
E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
E10.3591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
E10.3592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
E10.3593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye



ICD-10-CM	Description
Code	
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, left eye
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, bilateral
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
	with macular edema, right eye
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
	with macular edema, left eye
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
21100110	with macular edema, bilateral
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, right eye
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, left eye
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy
	without macular edema, bilateral
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
211.5511	macular edema, right eye
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	macular edema, left eye
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
111.5515	macular edema, bilateral
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
2110021	traction retinal detachment involving the macula, right eye
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment involving the macula, left eye
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment involving the macula, bilateral
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, right eye
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, left eye
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	traction retinal detachment not involving the macula, bilateral
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	combined traction retinal detachment and rhegmatogenous retinal
	detachment, right eye
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	combined traction retinal detachment and rhegmatogenous retinal
	detachment, left eye
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with
	combined traction retinal detachment and rhegmatogenous retinal
	detachment, bilateral



ICD-10-CM Code	Description
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy,
111.3331	right eye
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy,
111.3332	left eye
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy,
L11.3333	bilateral
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without
111.3391	macular edema, right eye
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without
L11.3372	macular edema, left eye
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without
L11.3373	macular edema, bilateral
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved
	following treatment, right eye
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved
111.57712	following treatment, left eye
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved
	following treatment, bilateral
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy with macular edema, right eye
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy with macular edema, left eye
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy with macular edema, bilateral
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy without macular edema, right eye
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy without macular edema, left eye
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic
	retinopathy without macular edema, bilateral
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic
	retinopathy with macular edema, right eye
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic
	retinopathy with macular edema, left eye
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic
	retinopathy with macular edema, bilateral
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, right eye
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic
	retinopathy without macular edema, left eye
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic
<b>F12 2 (11</b>	retinopathy without macular edema, bilateral
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic
	retinopathy with macular edema, right eye



ICD-10-CM	Description
Code	
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic
L13.3412	retinopathy with macular edema, left eye
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic
E15.5415	-
E12 2401	retinopathy with macular edema, bilateral
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic
E12 2402	retinopathy without macular edema, right eye
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic
F12.2402	retinopathy without macular edema, left eye
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic
	retinopathy without macular edema, bilateral
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with macular edema, right eye
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with macular edema, left eye
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with macular edema, bilateral
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment involving the macula, right eye
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment involving the macula, left eye
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment involving the macula, bilateral
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment not involving the macula, right eye
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment not involving the macula, left eye
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with traction retinal detachment not involving the macula, bilateral
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with combined traction retinal detachment and rhegmatogenous retinal
	detachment, right eye
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with combined traction retinal detachment and rhegmatogenous retinal
	detachment, left eye
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy
	with combined traction retinal detachment and rhegmatogenous retinal
	detachment, bilateral
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic
	retinopathy, right eye
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic
	retinopathy, left eye
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic
	retinopathy, bilateral
	Termopathy, Unateral



ICD-10-CM	Description
Code	
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy
	without macular edema, right eye
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy
	without macular edema, left eye
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy
	without macular edema, bilateral
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved
	following treatment, right eye
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved
	following treatment, left eye
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved
	following treatment, bilateral
G45.3	Amaurosis fugax
H15.031	Posterior scleritis, right eye
H15.032	Posterior scleritis, left eye
H15.033	Posterior scleritis, bilateral
H16.241	Ophthalmia nodosa, right eye
H16.242	Ophthalmia nodosa, left eye
H16.243	Ophthalmia nodosa, bilateral
H20.821	Vogt-Koyanagi syndrome right eye
H20.822	Vogt-Koyanagi syndrome left eye
H20.823	Vogt-Koyanagi syndrome bilateral
H21.331	Parasitic cyst of iris, ciliary body or anterior chamber right eye
H21.332	Parasitic cyst of iris, ciliary body or anterior chamber left eye
H21.333	Parasitic cyst of iris, ciliary body or anterior chamber bilateral
H30.011	Focal chorioretinal inflammation, juxtapapillary, right eye
H30.012	Focal chorioretinal inflammation, juxtapapillary, left eye
H30.013	Focal chorioretinal inflammation, juxtapapillary, bilateral
H30.021	Focal chorioretinal inflammation of posterior pole, right eye
H30.022	Focal chorioretinal inflammation of posterior pole, left eye
H30.023	Focal chorioretinal inflammation of posterior pole, bilateral
H30.031	Focal chorioretinal inflammation, peripheral, right eye
H30.032	Focal chorioretinal inflammation, peripheral, left eye
H30.033	Focal chorioretinal inflammation, peripheral, bilateral
H30.041	Focal chorioretinal inflammation, macular or paramacular, right eye
H30.042	Focal chorioretinal inflammation, macular or paramacular, left eye
H30.043	Focal chorioretinal inflammation, macular or paramacular, bilateral
H30.111	Disseminated chorioretinal inflammation of posterior pole, right eye
H30.112	Disseminated chorioretinal inflammation of posterior pole, left eye
H30.113	Disseminated chorioretinal inflammation of posterior pole, bilateral
H30.121	Disseminated chorioretinal inflammation, peripheral right eye
H30.122	Disseminated chorioretinal inflammation, peripheral, left eye
H30.123	Disseminated chorioretinal inflammation, peripheral, bilateral



ICD-10-CM	Description
Code	Description
H30.131	Disseminated chorioretinal inflammation, generalized, right eye
H30.132	Disseminated chorioretinal inflammation, generalized, left eye
H30.133	Disseminated chorioretinal inflammation, generalized, bilateral
H30.141	Acute posterior multifocal placoid pigment epitheliopathy, right eye
H30.142	Acute posterior multifocal placoid pigment epitheliopathy, left eye
H30.143	Acute posterior multifocal placoid pigment epitheliopathy, bilateral
H30.21	Posterior cyclitis, right eye
H30.22	Posterior cyclitis, left eye
H30.23	Posterior cyclitis, bilateral
H30.811	Harada's disease, right eye
H30.812	Harada's disease, left eye
H30.813	Harada's disease, bilateral
H31.011	Macula scars of posterior pole (postinflammatory) (post-traumatic) right eye
H31.012	Macula scars of posterior pole (postinflammatory) (post-traumatic) left
110 110 12	eye
H31.013	Macula scars of posterior pole (postinflammatory) (post-traumatic)
110 110 10	bilateral
H31.021	Solar retinopathy, right eye
H31.022	Solar retinopathy, left eye
H31.023	Solar retinopathy, bilateral
H31.111	Age-related choroidal atrophy, right eye
H31.112	Age-related choroidal atrophy, left eye
H31.112 H31.113	Age-related choroidal atrophy, bilateral
H31.121	Diffuse secondary atrophy of choroid, right eye
H31.122	Diffuse secondary atrophy of choroid, left eye
H31.123	Diffuse secondary atrophy of choroid, bilateral
H31.21	Choroideremia
H31.22	Choroidal dystrophy (central areolar) (generalized) (peripapillary)
H31.23	
H31.311	Gyrate atrophy, choroidExpulsive choroidal hemorrhage right eye
H31.312	Expulsive choroidal hemorrhage left eye
-	Expulsive choroidal hemorrhage bilateral
H31.313	
H31.321	Choroidal rupture right eye
H31.322	Choroidal rupture left eye
H31.323	Choroidal rupture bilateral
H31.411	Hemorrhagic choroidal detachment, right eye
H31.412	Hemorrhagic choroidal detachment, left eye
H31.413	Hemorrhagic choroidal detachment, bilateral
H31.421	Serous choroidal detachment, right eye
H31.422	Serous choroidal detachment, left eye
H31.423	Serous choroidal detachment, bilateral
H33.111	Cyst of ora serrata, right eye



ICD-10-CM Code	Description				
	Crust of one connets left are				
H33.112	Cyst of ora serrata, left eye				
H33.113	Cyst of ora serrata, bilateral				
H33.121	Parasitic cyst of retina right eye				
H33.122	Parasitic cyst of retina left eye				
H33.123	Parasitic cyst of retina bilateral				
H33.21	Serous retinal detachment, right eye				
H33.22	Serous retinal detachment, left eye				
H33.23	Serous retinal detachment, bilateral				
H34.01	Transient retinal artery occlusion, right eye				
H34.02	Transient retinal artery occlusion, left eye				
H34.03	Transient retinal artery occlusion, bilateral				
H34.11	Central retinal artery occlusion, right eye				
H34.12	Central retinal artery occlusion, left eye				
H34.13	Central retinal artery occlusion, bilateral				
H34.211	Partial retinal artery occlusion, right eye				
H34.212	Partial retinal artery occlusion, left eye				
H34.213	Partial retinal artery occlusion, bilateral				
H34.231	Retinal artery branch occlusion, right eye				
H34.232	Retinal artery branch occlusion, left eye				
H34.233	Retinal artery branch occlusion, bilateral				
H34.8110	Central retinal vein occlusion, right eye, with macular edema				
H34.8111	Central retinal vein occlusion, right eye, with retinal neovascularization				
H34.8112	Central retinal vein occlusion, right eye, stable				
H34.8120	Central retinal vein occlusion, left eye, with macular edema				
H34.8121	Central retinal vein occlusion, left eye with retinal neovascularization				
H34.8122	Central retinal vein occlusion, left eye, stable				
H34.8130	Central retinal vein occlusion, bilateral, with macular edema				
H34.8131	Central retinal vein occlusion, bilateral, with retinal neovascularization				
H34.8132	Central retinal vein occlusion, bilateral, stable				
H34.821	Venous engorgement, right eye				
H34.822	Venous engorgement, left eye				
H34.823	Venous engorgement, bilateral				
H34.8310	Tributary (branch) retinal vein occlusion, right eye, with macular edema				
H34.8311	Tributary (branch) retinal vein occlusion, right eye, with macual edema Tributary (branch) retinal vein occlusion, right eye, with retinal				
1154.0511	neovascularization				
H34.8312	Tributary (branch) retinal vein occlusion, right eye, stable				
H34.8312 H34.8320	Tributary (branch) retinal vein occlusion, left eye, stable				
H34.8320 H34.8321					
1134.0321	Tributary (branch) retinal vein occlusion, left eye, with retinal neovascularization				
H34.8322	Tributary (branch) retinal vein occlusion, left eye, stable				
H34.8322 H34.8330					
	Tributary (branch) retinal vein occlusion, bilateral, with macular edema Tributary (branch) retinal vein occlusion, bilateral, with retinal				
H34.8331					
	neovascularization				



ICD-10-CM	Description
Code	
H34.8332	Tributary (branch) retinal vein occlusion, bilateral, stable
H35.011	Changes in retinal vascular appearance, right eye
H35.012	Changes in retinal vascular appearance, left eye
H35.013	Changes in retinal vascular appearance, bilateral
H35.021	Exudative retinopathy, right eye
H35.022	Exudative retinopathy, left eye
H35.023	Exudative retinopathy, bilateral
H35.031	Hypertensive retinopathy, right eye
H35.032	Hypertensive retinopathy, left eye
H35.033	Hypertensive retinopathy, bilateral
H35.041	Retinal micro-aneurysms, unspecified, right eye
H35.042	Retinal micro-aneurysms, unspecified, left eye
H35.043	Retinal micro-aneurysms, unspecified, bilateral
H35.051	Retinal neovascularization, unspecified, right eye
H35.052	Retinal neovascularization, unspecified, left eye
H35.053	Retinal neovascularization, unspecified, bilateral
H35.061	Retinal vasculitis, right eye
H35.062	Retinal vasculitis, left eye
H35.063	Retinal vasculitis, bilateral
H35.071	Retinal telangiectasis, right eye
H35.072	Retinal telangiectasis, left eye
H35.073	Retinal telangiectasis, bilateral
H35.111	Retinopathy of prematurity, stage 0, right eye
H35.112	Retinopathy of prematurity, stage 0, left eye
H35.113	Retinopathy of prematurity, stage 0, bilateral
H35.121	Retinopathy of prematurity, stage 1, right eye
H35.122	Retinopathy of prematurity, stage 1, left eye
H35.123	Retinopathy of prematurity, stage 1, bilateral
H35.131	Retinopathy of prematurity, stage 2, right eye
H35.132	Retinopathy of prematurity, stage 2, left eye
H35.133	Retinopathy of prematurity, stage 2, bilateral
H35.141	Retinopathy of prematurity, stage 3, right eye
H35.142	Retinopathy of prematurity, stage 3, left eye
H35.143	Retinopathy of prematurity, stage 3, bilateral
H35.151	Retinopathy of prematurity, stage 4, right eye
H35.152	Retinopathy of prematurity, stage 4, left eye
H35.153	Retinopathy of prematurity, stage 4, bilateral
H35.161	Retinopathy of prematurity, stage 5, right eye
H35.162	Retinopathy of prematurity, stage 5, left eye
H35.163	Retinopathy of prematurity, stage 5, bilateral
H35.171	Retrolental fibroplasia, right eye
H35.172	Retrolental fibroplasia, left eye
H35.173	Retrolental fibroplasia, bilateral



ICD-10-CM	Description	
Code		
H35.21	Other non-diabetic proliferative retinopathy, right eye	
H35.22	Other non-diabetic proliferative retinopathy, left eye	
H35.23	Other non-diabetic proliferative retinopathy, bilateral	
H35.3111	Nonexudative age-related macular degeneration, right eye, early dry	
	stage	
H35.3112	Nonexudative age-related macular degeneration, right eye, intermediate dry stage	
H35.3113	Nonexudative age-related macular degeneration, right eye, advanced atrophic without subfoveal involvement	
H35.3114	Nonexudative age-related macular degeneration, right eye, advanced atrophic with subfoveal involvement	
H35.3121	Nonexudative age-related macular degeneration, left eye, early dry stage	
H35.3122	Nonexudative age-related macular degeneration, left eye, intermediate dry stage	
H35.3123	Nonexudative age-related macular degeneration, left eye, advanced atrophic without subfoveal involvement	
H35.3124	Nonexudative age-related macular degeneration, left eye, advanced atrophic with subfoveal involvement	
H35.3131	Nonexudative age-related macular degeneration, bilateral, early dry stage	
H35.3132	Nonexudative age-related macular degeneration, bilateral, intermediate dry stage	
H35.3133	Nonexulative age-related macular degeneration, bilateral, advanced atrophic without subfoveal involvement	
H35.3134	Nonexulative age-related macular degeneration, bilateral, advanced atrophic with subfoveal involvement	
H35.3211	Exudative age-related macular degeneration, right eye with active choroidal neovascularization	
H35.3212	Exudative age-related macular degeneration, right eye, with inactive choroidal neovascularization	
H35.3213	Exudative age-related macular degeneration, right eye, with inactive scar	
H35.3221	Exudative age-related macular degeneration, left eye with active choroidal neovascularization	
H35.3222	Exudative age-related macular degeneration, left eye, with inactive choroidal neovascularization	
H35.3223	Exudative age-related macular degeneration, left eye, with inactive scar	
H35.3231	Exuality e age-related macular degeneration, bilateral, with active choroidal neovascularization	
H35.3232	Exudative age-related macular degeneration, bilateral, with inactive choroidal neovascularization	
H35.3233	Exudative age-related macular degeneration, bilateral, with inactive scar	
Н35.3255	Angioid streaks of macula	
Н35.341	Macular cyst, hole, or pseudohole, right eye	
H35.341 H35.342		
1133.342	Macular cyst, hole, or pseudohole, left eye	



ICD-10-CM	Description		
Code			
H35.343	Macular cyst, hole, or pseudohole, bilateral		
H35.351	Cystoid macular degeneration, right eye		
H35.352	Cystoid macular degeneration, left eye		
H35.353	Cystoid macular degeneration, bilateral		
H35.361	Drusen (degenerative) of macula, right eye		
H35.362	Drusen (degenerative) of macula, left eye		
H35.363	Drusen (degenerative) of macula, bilateral		
H35.371	Puckering of macula, right eye		
H35.372	Puckering of macula, left eye		
H35.373	Puckering of macula, bilateral		
H35.381	Toxic maculopathy, right eye		
H35.382	Toxic maculopathy, left eye		
H35.383	Toxic maculopathy, bilateral		
H35.451	Secondary pigmentary degeneration right eye		
H35.452	Secondary pigmentary degeneration left eye		
H35.453	Secondary pigmentary degeneration bilateral		
H35.461	Secondary vitreoretinal degeneration right eye		
H35.462	Secondary vitreoretinal degeneration left eye		
H35.463	Secondary vitreoretinal degeneration bilateral		
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	Retinal hemorrhage, right eye		
H35.62	Retinal hemorrhage, left eye		
H35.63	Retinal hemorrhage, bilateral		
H35.711	Central serous chorioretinopathy, right eye		
H35.712	Central serous chorioretinopathy, left eye		
H35.713	Central serous chorioretinopathy, bilateral		
H35.721	Serous detachment of retinal pigment epithelium, right eye		
H35.722	Serous detachment of retinal pigment epithelium, left eye		
H35.723	Serous detachment of retinal pigment epithelium, bilateral		
H35.731	Hemorrhagic detachment of retinal pigment epithelium, right eye		
H35.732	Hemorrhagic detachment of retinal pigment epithelium, left eye		
H35.733	Hemorrhagic detachment of retinal pigment epithelium, bilateral		
H35.81	Retinal edema		
H35.82	Retinal ischemia		
H43.11	Vitreous hemorrhage, right eye		
H43.12	Vitreous hemorrhage, left eye		
H43.13	Vitreous hemorrhage, bilateral		
H43.21	Crystalline deposits in vitreous body right eye		
H43.22	Crystalline deposits in vitreous body left eye		
H43.23	Crystalline deposits in vitreous body bilateral		



ICD-10-CM	Description
Code	
H43.821	Vitreomacular adhesion, right eye
H43.822	Vitreomacular adhesion, left eye
H43.823	Vitreomacular adhesion, bilateral
H44.011	Panophthalmitis (acute) right eye
H44.012	Panophthalmitis (acute) left eye
H44.013	Panophthalmitis (acute) bilateral
H44.111	Panuveitis right eye
H44.112	Panuveitis left eye
H44.113	Panuveitis bilateral
H44.121	Parasitic endophthalmitis unspecified right eye
H44.122	Parasitic endophthalmitis unspecified left eye
H44.123	Parasitic endophthalmitis unspecified bilateral
H44.131	Sympathetic uveitis right eye
H44.132	Sympathetic uveitis left eye
H44.133	Sympathetic uveitis bilateral
H44.21	Degenerative myopia right eye
H44.22	Degenerative myopia left eye
H44.23	Degenerative myopia bilateral
H44.2A1	Degenerative myopia with choroidal neovascularization, right eye
H44.2A2	Degenerative myopia with choroidal neovascularization, left eye
H44.2A3	Degenerative myopia with choroidal neovascularization, bilateral
H44.2B1	Degenerative myopia with macular hole, right eye
H44.2B2	Degenerative myopia with macular hole, left eye
H44.2B3	Degenerative myopia with macular hole, bilateral
H44.2C1	Degenerative myopia with retinal detachment, right eye
H44.2C2	Degenerative myopia with retinal detachment, left eye
H44.2C3	Degenerative myopia with retinal detachment, bilateral
H44.2D1	Degenerative myopia with foveoschisis, right eye
H44.2D2	Degenerative myopia with foveoschisis, left eye
H44.2D3	Degenerative myopia with foveoschisis, bilateral
H44.2E1	Degenerative myopia with other maculopathy, right eye
H44.2E2	Degenerative myopia with other maculopathy, left eye
H44.2E3	Degenerative myopia with other maculopathy, bilateral
H44.311	Chalcosis right eye
H44.312	Chalcosis left eye
H44.313	Chalcosis bilateral
H44.321	Siderosis of eye right eye
H44.322	Siderosis of eye left eye
H44.323	Siderosis of eye bilateral
H44.641	Retained (old) magnetic foreign body in lens right eye
H44.642	Retained (old) magnetic foreign body in lens left eye
H44.643	Retained (old) magnetic foreign body in lens bilateral



ICD-10-CM	Description	
Code		
H44.741	Retained (nonmagnetic) (old) foreign body in posterior wall of globe	
	right eye	
H44.742	Retained (nonmagnetic) (old) foreign body in posterior wall of globe left	
	eye	
H44.743	Retained (nonmagnetic) (old) foreign body in posterior wall of globe	
	bilateral	
H46.01	Optic papillitis, right eye	
H46.02	Optic papillitis, left eye	
H46.03	Optic papillitis, bilateral	
H46.11	Retrobulbar neuritis right eye	
H46.12	Retrobulbar neuritis left eye	
H46.13	Retrobulbar neuritis bilateral	
H46.2	Nutritional optic neuropathy	
H46.3	Toxic optic neuropathy	
H47.011	Ischemic optic neuropathy, right eye	
H47.012	Ischemic optic neuropathy, left eye	
H47.013	Ischemic optic neuropathy, bilateral	
H47.021	Hemorrhage in optic nerve sheath right eye	
H47.022	Hemorrhage in optic nerve sheath left eye	
H47.023	Hemorrhage in optic nerve sheath bilateral	
H47.031	Optic nerve hypoplasia right eye	
H47.032	Optic nerve hypoplasia left eye	
H47.033	Optic nerve hypoplasia bilateral	
H47.141	Foster-Kennedy syndrome right eye	
H47.142	Foster-Kennedy syndrome left eye	
H47.143	Foster-Kennedy syndrome bilateral	
H47.22	Hereditary optic atrophy	
H47.311	Coloboma of optic disc, right eye	
H47.312	Coloboma of optic disc, left eye	
H47.313	Coloboma of optic disc, bilateral	
H47.321	Drusen of optic disc, right eye	
H47.322	Drusen of optic disc, left eye	
H47.323	Drusen of optic disc, bilateral	
H47.331	Pseudopapilledema of optic disc, right eye	
H47.332	Pseudopapilledema of optic disc, left eye	
H47.333	Pseudopapilledema of optic disc, bilateral	
H53.131	Sudden vision loss right eye	
H53.132	Sudden vision loss left eye	
H53.133	Sudden vision loss bilateral	
H59.031	Cystoid macular edema following cataract surgery, right eye	
H59.032	Cystoid macular edema following cataract surgery, left eye	
H59.033	Cystoid macular edema following cataract surgery, bilateral	
Q14.8	Other congenital malformations of posterior segment of eye	
Q14.8	Other congenital malformations of posterior segment of eye	



ICD-10-CM Code	Description
R94.111	Abnormal electroretinogram (ERG)

Reviews, Revisions, and Approvals	Date	Approval Date
Original approval date	12/2019	12/2019
Converted to new template	05/2020	06/2020
Annual Review; Updated references	12/2020	12/2020
Annual Review; Updated ICD-10 diagnosis codes to include macular	12/2021	12/2021
drusen and vitreomacular adhesions		
Annual Review		11/2022

#### References

- American Academy of Ophthalmology Retina Panel. Preferred Practice Pattern

   Guidelines. Age-Related Macular Degeneration. San Francisco, CA: American Academy of Ophthalmology; 2019, <a href="https://www.aao.org/preferred-practice-pattern/age-related-macular-degeneration-ppp">https://www.aao.org/preferred-practice-pattern/age-related-macular-degeneration-ppp</a>
- American Academy of Ophthalmology Retina Panel. Preferred Practice Pattern

   Guidelines. Diabetic Retinopathy PPP 2019. San Francisco, CA: American Academy of Ophthalmology;
   2019, <u>https://www.aao.org/preferred-practice-pattern/diabetic-retinopathy-ppp</u>
- American Academy of Ophthalmology Retina Panel. Preferred Practice Pattern® Guidelines. Retinal Vein Occlusions PPP 2019. San Francisco, CA: American Academy of Ophthalmology; 2019, <u>https://www.aao.org/preferred-practice-pattern/retinal-vein-occlusions-ppp</u>
- 4. American Academy of Ophthalmology Retina Panel. Preferred Practice Pattern® Guidelines. Retinal and Ophthalmic Artery Occlusions PPP 2019. San Francisco, CA: American Academy of Ophthalmology; 2019, <u>https://www.aao.org/preferred-practice-pattern/retinal-ophthalmic-artery-occlusions-ppp</u>
- 5. Taha NM, Asklany HT, Mahmoud AH, et al. Retinal fluorescein angiography: A sensitive and specific tool to predict coronary slow flow. *Egypt Heart J.* 2018;70(3):167-171.

#### **Important Reminder**

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Envolve Vision, Inc., or any of such health plan's affiliates, as applicable.



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This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

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**Note: For Medicaid members**, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

**Note: For Medicare members,** to ensure consistency with the Medicare National Coverage Determinations (NCD) and Local Coverage Determinations (LCD), all applicable NCDs, LCDs, and Medicare Coverage Articles should be reviewed <u>prior to</u> applying the criteria set forth in this clinical policy. Refer to the CMS website at <u>http://www.cms.gov</u> for additional information.

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