

Eye and Ocular Adnexa, Auditory Systems



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Objectives

- Understand the components of the eye and of the ear
- Define key terms
- Understand the most common pathologies affecting these sense organs
- Understand eye surgeries and ear surgeries and how they relate to pathologies
- Recognize common eponyms and acronyms for these specialties
- Identify when other sections of CPT® or ICD-9-CM should be accessed
- Know when HCPCS Level II codes or modifiers are appropriate



Anatomy: Eye and Ocular Adnexa

- Eyeball
- Optic nerve
- Ophthalmology/ ophthalmologist
- Optometry/optometrist
- Ophthalmoscope



Anatomy: Eye and Ocular Adnexa

Eyeball – an inch (25mm) in diameter

- Sclera – white of the eye
- Cornea – transparent
- Pupil and Iris
- Choroid – vascular layer
- Retina – pigmented nerve layer

Optic nerve and Optic disc



Anatomy: Eye and Ocular Adnexa

- Iris – regulates light entering
- Pupil
- Vitreous humor – fills posterior segment
- Ciliary body – suspensory ligaments of lens
- Lens – changes shape

Anterior chamber



Anatomy: Eye and Ocular Adnexa

- Conjunctiva
 - pink eye
 - cul-de-sac
- Muscles
 - external



Anatomy: Eye and Ocular Adnexa

- Lacrimal gland
- Glaucoma
 - intraocular pressure
- Refraction
- 20/20



Anatomy: Ear and Auditory System

- Otolaryngology
- Otolaryngologists – ENTs
- Otoscope
- External ear
 - tragus
 - auricle or pinna



Anatomy: Ear and Auditory System

- Middle ear
 - Tympanic membrane
 - Ossicles – malleus, incus, stapes
 - Eustachian tube
- Oval window



Anatomy: Ear and Auditory System

Inner ear

- Labyrinth
- Membranous labyrinth – hair cells
- Vibrations into nerve impulse
- Cochlea, Vestibule, Semicircular canal
- Balance – utricle, saccule
- Oval window, round window



ICD-9-CM

- Alphabetic index ; Tabular List
- Disorders of the Eye and Adnexa (360-379)
- Diseases of the Ear and Mastoid Process (380-389)
- Table of Neoplasms



Eye and Ocular Adnexa

- Disorders of the globe (360)
- Retinal detachments and defects (361)
- Other retinal disorders (362)
- Diabetic retinopathy (362.0x)



Eye and Ocular Adnexa

- Glaucoma (365.xx)
 - intraocular pressure
 - congenital (743.2x)
 - angle – reflection of iris joins cornea
- Cataract (366.xx)
 - congenital (743.3x)



Eye and Ocular Adnexa

- Disorders of refraction and accommodation (367)
 - Myopia (367.1)
 - Astigmatism (367.2x)
- Visual disturbances (368)
 - Diplopia (368.2) “double vision”



Eye and Ocular Adnexa

- Blindness and low vision (369)
 - visual impairment
 - visual disability
 - visual handicap
- ICD-9-CM Defined Levels of Visual Impairment
 - Table



Eye and Ocular Adnexa

- Keratitis (370)
- Corneal opacity and other disorders of cornea (371)
- Disorders of conjunctiva (372)
- Inflammation of eyelids (373)
- Other disorders of eyelids (374)
 - Nystagmus



Ear and Mastoid Process

- Diseases of the Ear and Mastoid Process (380-389)
- Anatomy of ear
 - external
 - middle
 - internal
- Infectious disease



Ear and Mastoid Process

- Table of Neoplasms
 - acoustic neuroma, vestibular schwannoma (225.1)
- Injury and Poisoning chapter
- Disorders of external ear (380)
 - infective otitis externa (380.1x)
 - Impacted cerumen (380.4)



Ear and Mastoid Process

- Nonsuppurative otitis media and Eustachian tube disorders (381)
 - acute (381.0x)
 - chronic (381.1x)
- Mastoiditis and related conditions (383)



Ear and Mastoid Process

- Other disorders of tympanic membrane (384)
 - Perf. of tympanic membrane (384.2x)
- Vertiginous syndromes and other disorders of vestibular system (386)
 - Vertigo
- Otosclerosis (387)
 - Tinnitus (388.3x)



Ear and Mastoid Process

- Hearing loss (389)
 - conductive hearing loss (389.0x)
 - Sensorineural hearing loss (389.1x)
 - Mixed conductive and sensorineural hearing loss (389.2x)



CPT®: Eye and Ocular Adnexa

Eye and Ocular Adnexa (65091-68899)

- Laser Surgery
 - laser is short for: light amplification stimulated emission of radiation
 - Carbon Dioxide
 - Nd:Yag
 - Argon



CPT®: Eye and Ocular Adnexa

- Eyeball (65091-65290)
 - evisceration (65091,65093)
 - enucleation (65101-65105)
 - exenteration (65110-65114)
- Secondary Implant(s) Procedures (65125-65175)



CPT®: Eye and Ocular Adnexa

- Removal of Foreign Body (65205-65265)
- Anterior Segment (65400-66999)
 - Cornea (65400-65782)
 - Opaque and opacity
- Removal or Destruction (65430-65600)
- Keratoplasty (65710-65757)



CPT®: Eye and Ocular Adnexa

- Anterior Chamber (65800-66030)
- Incision (65800-65880)
 - Goniotomy (65820)
 - Trabeculotomy ab externo (65850)
 - Schlemm's canal
 - Anterior Sclera (66130-66250)
 - Excision of lesion, sclera (66130)



CPT®: Eye and Ocular Adnexa

- Iris, Ciliary body (66500-66770)
- Iriditiomy (66761-66770)
- Lens (66820-66940)
 - cataracts
- Intraocular Lens Procedures (66982-66986)



CPT®: Eye and Ocular Adnexa

Posterior Segment (67005-67999)

- Vitreous (67005-67043)
- Implantation of intravitreal drug delivery system (67027)
- Retina or Choroid (67101-67229)
- Posterior Sclera (67250-67225)



CPT®: Eye and Ocular Adnexa

- Ocular Adnexa (67229-67999)
 - strabismus
 - horizontal (67311-67312)
 - vertical (67314-67316)
 - transposition (67320)
- Orbit (67400-67599)



CPT®: Eye and Ocular Adnexa

- Eyelids (67700-67999)
- Hordeolum externum
- Excision of chalazion; single (67800)
 - Repair of brow ptosis (67900)
 - Blepharoptosis (67901-67908)



CPT®: Eye and Ocular Adnexa

- Conjunctiva (68020-68899)
 - conjunctivoplasty
- Lacrimal System (68400-68899)
- Excision of lacrimal sac (68520)
(dacryocystectomy)



CPT®: Eye and Ocular Adnexa Medicine section

- Ophthalmology (92002-92499)
- General Ophthalmology Services (92002-92014)
 - Special Ophthalmological Services
 - Contact Lens Services
 - Spectacle Services (Including Prosthesis for Aphakia)



CPT®: Eye and Ocular Adnexa Medicine section

- Special Ophthalmological Services (92015-92140)
- Determination of refractive state (92015)
- Ophthalmoscopy (92225-92260)
 - direct
 - indirect



CPT®: Eye and Ocular Adnexa Medicine section

- Contact Lens Services (92310-92326)
- Spectacle Services (Including Prosthesis for Aphakia) (92340-92371)
 - aphakia (92353-92358)



CPT®: Auditory System

Auditory System (69000-69979)

- Removal foreign body from external auditory canal (69200-69205)
 - both ears (69210)



CPT®: Auditory System

Middle Ear (69400-69799)

- Tympanostomy (69433-69436)
- Mastoidectomy; complete (69502)
 - modified radical (69505)
 - radical (69511)
- Tympanoplasty (69635-69646)



CPT®: Auditory System

Inner Ear (69801-69949)

- Labyrinthectomy (69905)
- Temporal Bone, Middle Fossa Approach (69950-69979)
- Microsurgery



CPT®: Auditory System Medicine Section

- Special Otorhinolaryngologic Services (92502-92700)
- Otolaryngologic examination under general anesthesia (92502)
- Vestibular Function Tests (92531-92548)
- Audiologic Function Tests with Medical Diagnostic Evaluation (92559-92597)



CPT®: Auditory System Medicine Section

- Evaluative and Therapeutic Services (92601-92633)
- Cochlear implants



HCPCS and Modifiers

HCPCS Level II

- injectible or implantable drug
- protheses, visual aids, contact lenses, glasses and hearing aids

Modifiers

- 50 Bilateral procedure
- RT, LT



The End

