



The following acronyms and terms have been compiled through input from the ARVO membership and are presented here for your reference. The acronyms may have additional meanings based on the context in which they are used. ARVO encourages the use of full terms when appropriate. Abbreviations and acronyms should be used on a limited basis and always defined with the first mention.

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Acronym	Term
1D4 epitope	the last 8 amino acids of rhodopsin (antigen sequence for 1d4 antibody)
2AFC	two-alternative-forced-choice
5-FU	5-fluorouracil
AACG	acute angle closure glaucoma
AAV	adenoassociated virus
Abd	abduction (aka turn out)
ABK	aphakic bullous keratopathy
AC, A/C	adenylate cyclase
AC	Allen cards
AC	amacrine cell
AC	anterior chamber
AC/A	accommodative convergence/accommodation ratio
ACA	anterior chamber angle
ACC	anterior cortical changes/ cataract
Acc	accommodation
ACD	anterior chamber depth
ACE	aphakic corneal edema
ACG	angle closure glaucoma
ACIOL	anterior chamber intraocular lens
ACM	anterior chamber maintainer
ADAMTS	a disintegrin and metalloproteinase with thrombospondin motifs

Acronym	Term
Add	adduction, turn in, addition
ADP	adenosine diphosphate
adRP	autosomal dominant retinitis pigmentosa
AFM	atomic force microscopy
Ag	antigen
AGFX	air gas fluid exchange
AGI	Audacious Goals Initiative National Eye Institute
AGM	anti-glaucoma medication
AGV	Ahmed-glaucoma valve
AH	aqueous humor
AHD	aqueous humor dynamics
AIDS	acquired immune deficiency syndrome
AIOL, aIOL	accommodating intraocular lens
AION	acute ischemic optic neuropathy
ALN	Allen pictures
AFL	argon focal laser
ALPC	argon laser photocoagulation
ALT	argon laser trabeculoplasty
AMD, ARMD	age-related macular degeneration
AMDf	AMD related features

Acronym	Term
AMG	amniotic membrane graft
AMPA	α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid
ANA	anti-nuclear antibody
ANOVA	analysis of variance
anti-VEGF	vascular endothelial growth factor (vegf) inhibitors
AOD	angle opening distance
AOSLO	adaptive optics scanning laser (or light) ophthalmoscopy
AP	antero-posterior
APD, RAPD	(relative) afferent pupillary defect
ARC	abnormal retinal correspondence
ARC	age related cataract
AREDS	Age-Related Eye Disease Study
ARF	alternative reading frame
ARN	acute retinal necrosis
Arr	arrestin
arRP	autosomal recessive retinitis pigmentosa
ARVO	Association for Research in Vision and Ophthalmology
Arx	autorefraction
ASC	anterior subcapsular cataract
ASOCT	anterior segment optical coherence tomography
AT	artificial tears
ATP	adenosine triphosphate
AV	anterior vitreous
AVx	anterior vitrectomy
B, b/l	bilateral
b.i.d. or b.d.	twice daily
BAC	bacterial artificial chromosomes
BAC	benzalkonium chloride
BALB/c	a strain of mice
BC	bipolar cell
BCC	basal cell cancer
BCL	bandage contact lens

Acronym	Term
BCP	blue cone pigment, short wavelength sensitive fundamental primary (sws)
BCVA	best corrected visual acuity
BD	base down
BDNF	brain-derived neurotrophic factor
BDR	background diabetic retinopathy
BFGF	basic fibroblast growth factor
BI	base in
BILT IOOA	bilateral inferior oblique over action
BK	band keratopathy
BLamD	basal laminar deposit
BLinD	basal linear deposit
BLR	bilateral lateral rectus
BM	Bruch's membrane, basement membrane
BMR	bilateral medial rectus
BO	base out
BOT	no tears or breaks in retina
BRAO	branch retinal artery occlusion
BRC	biological resource center
BrdU	bromodeoxyuridine
BRVO	branch retinal vein occlusion
BSA	bovine serum albumin
BSCCL	bandage soft contact lens
BSCVA	best spectacle-corrected visual acuity
BSS	balanced salt solution
BU	base up
c	with correction, outflow facility
C/D	cup-to-disc ratio of the optic nerve
C/F	cell/flare (graded 1+ to 4+)
C/O	complications
c/o	complain of
C/S	conjunctiva/sclera
C1	cyclogyl (cyclopentolate) 1%
C ₃ F ₈	perfluoropropane (gas)
CACG	chronic angle-closure glaucoma
CAG	conjunctival autograft

Acronym	Term
CAI	carbonic anhydrase inhibitor
CaMKII	calcium-calmodulin-dependent protein kinase ii
cAMP	cyclic adenosine monophosphate
Cas	CRISPR associated gene
cat	cataract
CAT	x-ray computed axial tomography
CB	ciliary body
CBB	ciliary body band
CBB	coomassie brilliant blue
CC	cortical clouding, cataract
cc	with refractive correction
CCC	continuous curvilinear capsulorhexis
CCD	charge-coupled device
CCD	computer-controlled display
CCFF	critical chromatic flicker frequency
CCM	corneal confocal microscopy
CCN1	cysteine-rich angiogenic protein 61 (cyr61)
CCN2	connective tissue growth factor (ctgf)
CCN3	nephroblastoma overexpressed (nov)
CCS	central corneal sensitivity
CCT/Pachy	central corneal thickness / pachymetry
CD	clusters of differentiation (ie, CD4 cell)
CDK	cyclin dependent kinase
cDNA	complementary deoxyribonucleic acid
CDVA	corrected distance visual acuity
CE	cataract extraction, corneal epithelium
CE/IOL	cataract extraction with intraocular lens implant
CELCT	cell count
CEnC	corneal endothelial cell
CEpC	corneal epithelial cell
CF	count fingers visual acuity

Acronym	Term
CFC	corneal fibroblast cell (i.e., activated stromal fibroblast)
CFCF	counting fingers close to face
CFF	critical flicker frequency
c-fos	oncogenes
CFP	color fundus photography
CFP	cyan fluorescent protein
CFU	colony-forming units
cGMP	3',5'-cyclic guanosine monophosphate
CHAPS	3-[3-cholamidopropyl]dimethylammonio-2-hydroxy-1-propanesulfonate
CHBL	check / change / bandage lens
CHED	congenital hereditary endothelial dystrophy
CHM	choroideremia
CI	confidence interval
CIE	counterimmunoelectrophoresis
CIELAB	uniform color space (also ucm and cieluv)
CIELUV	uniform color space (also ucm and cielab)
CL THERA	contact lens therapeutic contacts
CL, HC, SCL, EWSC	contact lens, hard, soft, extended wear
CLEK	collaborative longitudinal evaluation of keratoconus
CLET	cultivated limbal epithelial transplantation
CLSM	confocal laser scanning microscope
CM	cyclomydril (for peds patients), ciliary muscle
CME	continuing medical education
CME	cystoid macular edema
CMOS	complementary metal oxide semiconductor
CMTF	confocal microscopy through focusing
CMV	cytomegalovirus
CMZ	ciliary margin zone
CN	cranial nerve

Acronym	Term
C-NBD	corneal nerve branch density
C-NFD	corneal nerve fibre density
C-NFL	corneal nerve fibre length
C-NFT	corneal nerve fibre tortuosity
CNS	central nervous system
CNV	choroidal neovascularization, corneal neovascularization
CNVM	choroidal neovascular membrane
COAG	chronic open-angle glaucoma
COMET	cultivated oral mucosal epithelial transplantation
ConA	concanavalin A
CONSOR T	consolidated standards of reporting trials
CORAB	corneal abrasion
COREQ	consolidated criteria for reporting qualitative research
CPC	cyclophotocoagulation
CPM	continue present management
CRA	chorioretinal atrophy
CRAO	central retinal artery occlusion
CRD	cone rod dystrophy
CRISPR	clustered regularly interspaced short palindromic repeats
CRISPR-Cas9	clustered regularly interspaced short palindromic repeats with CRISPR-associated protein-9 nuclease
crRNA	CRISPR RNA
CRS	chorioretinal scar
CRVO	central retinal vein occlusion
CRx	cycloplegic refraction
CRX	cone rod homeobox
Cryo	cryotherapy
CS	cortical spokes
CSDME	clinically significant diabetic macular edema
CSF	contrast sensitivity function, colony-stimulating factor
CSM	central, steady, maintained
CSME	clinically significant macular edema

Acronym	Term
CSR, CSC R	central serous (chorio) retinopathy
CT	cover test, x-ray computed tomography
C-terminal	carboxyl terminal
CTGF	connective tissue growth factor
CUG	cystourethrogram
CV	color vision
CVD	color vision deficiency
CVF	confrontation visual field
CVI	cerebral visual impairment
CWS	cotton wool spot
Cx, Cx43	connexin, connexin 43
CXL	corneal cross linking
CxR	cone-rod interaction (also, rxc - rod-cone interaction)
cy/deg	cycles per degree of visual angle
cyl	cylinder (in refraction)
CYR61	ccn: cysteine-rich angiogenic inducer 61
D	diopter
D&Q	deep and quiet
D/C	discontinue
d/c, DISC	discharge
D/M/V/P	disc/macula/vessels/periphery
DALK	deep anterior lamellar keratoplasty
DAPI	4',6-diamidino-2-phenylindole
dbGaP	database of genotypes and phenotypes
DBH	dot blot heme (hemorrhage)
dBp	depolarizing bipolar cell
DC	dendritic cell
dCas9	nuclease-deficient cas9
DCR	dacryocystorhinostomy
DD	disc diameters
DDT	dichlorodiphenyltrichloroethane (chlorophenothane)
DDx	differential diagnosis (DD)
DED	dry eye disease
DES	dry eye syndrome

Acronym	Term
DF	Descemet's fold
DFE	dilated fundus exam
DIDS	4,4'-diisothiocyanatostilbene-2,2'-disulfonic acid
DLK	diffuse lamellar keratitis
DM	Descemet's membrane
DM	diabetes mellitus
DME	diabetic macular edema
DMEM	Dulbecco's modified Eagle's medium
DMOC	data monitoring and oversight committee
DMR	double Maddox rod
DMSO	dimethyl sulfoxide
DMVP	disc, macula, vessels, and periphery
DNA	deoxyribonucleic acid
Dnase	deoxyribonuclease
DOG	difference of gaussians
DR	diabetic retinopathy
DSAEK	Descemet stripping automated endothelial keratoplasty
DSB	double-stranded break
DSEK	Descemet's stripping endothelial keratoplasty
DSMB	data safety monitoring board
DTH	delayed-type hypersensitivity
DTPT	death-to-preservation time
dVA	distance visual acuity
DVD	dissociated vertical deviation
DVL	dishevelled
DVS	ductions, versions, saccades
DWSCL	daily wear soft contact lenses
E	endolaser
E	esophoria
E (Circled), E, ERY	erythromycin
E(T)	intermittent esotropia distance
E'	esophoria at near
E'(T)	intermittent esotropia at near
E'(t)	intermittent esotropia at near

Acronym	Term
EAU	experimental autoimmune uveitis
EBM	epithelial basement membrane
EBM	evidence based medicine
ECCE	extracapsular cataract extraction
ECD	endothelial cell density
ECM	extracellular matrix
ECP	endoscopic cyclophotocoagulation
ED	effective dose
ED	epithelial defect
ED50	median effective dose
EDFIOL	extended depth of focus intraocular lens
EDTA	ethylenediaminetetraacetic acid
EFI	epithelium-fiber cell interface
EGF	epidermal growth factor
EGTA	ethylene glycol-bis(β -aminoethyl ether)-N,N,N',N'-tetraacetic acid
EK	endothelial keratoplasty
EKC	epidemic keratoconjunctivitis
EL	endolaser
ELISA	enzyme-linked immunosorbent assay
ELM	external limiting membrane
EMEM	Eagle's minimum essential medium
EMT	epithelial mesenchymal transition
EnMT	endothelial mesenchymal transition
EOG	electrooculogram
EOM	extraocular muscle, extraocular movement
EOMB	extraocular muscle balance
EPCP	epithelial cell progenitor
Epi-Off	corneal cross linking with corneal epithelial debridement
Epi-On	corneal cross linking without corneal epithelial debridement
EQUATOR	enhancing the quality and transparency of health research
ER	endoplasmic reticulum
ERG	electroretinographic, electroretinogram
ERM	epiretinal membrane

Acronym	Term
ERP	event related potential(s)
ES	embryonic stem cells
ET	esotropia for distance
ET`	esotropia for near
ETDRS	early treatment diabetic retinopathy study
EUA	exam under anesthesia
EVAS	ex vivo accommodation simulator
EVP	episcleral venous pressure (also known as pv)
EZ	ellipsoid zone (from oct of outer retina)
F	aqueous humor inflow
F + F	fix and follow
F/U	follow-up
FA	fluorescein angiography
FAF	fundus autofluorescence
FANG	fluorescein angiography
FAX, AF _x	fluid-air exchange
FB	foreign body
FCS	fetal calf serum
FDOCT	fourier domain optical coherence tomography
FDT	frequency doubling technology
FECD	Fuchs endothelial corneal dystrophy
FEM	finite element modelling
FEVR	familial exudative vitreoretinopathy
FFA	fluorescein angiography
FFL	fixing and following light
FGF	fibroblast growth factor
FHx, FH, F/H, FHX, FMHX, FamHx	family history
FIO ₂	fraction of inspired oxygen
FISH	fluorescence in situ hybridization
FITC	fluorescein isothiocyanate
fMRI	functional magnetic resonance imaging
Focal	focal laser photocoagulation

Acronym	Term
FPL	forced-choice preferential looking
fq	frequency
FRET	Förster (or fluorescence) resonance energy transfer
FRL	functional retinal locus
FTCF	full to count fingers
FTMH	full thickness macular hole
Fu	uveoscleral outflow
Fuchs	Fuchs endothelial corneal dystrophy
FVA	functional visual acuity
FWHM	full width at half maximum
g	gravitational force unit
GA	geographic atrophy
GABA	gamma-aminobutyric acid
GC	guanylate cyclase
GCA	giant cell arteritis
GCAP	guanylate cyclase activating protein
GCL	ganglion cell layer
GCP	good clinical practice
GCP	green cone pigment, middle wavelength sensitive fundamental primary (mws)
GDX	diagnostic glaucoma test
GEO	gene expression omnibus
GFAP	glial fibrillary acidic protein
GFP	green fluorescent protein
gl	glasses
GLC	gas-liquid chromatography
GLC	glaucoma
GLM	generalized linear model
GLP	good laboratory practice
GLREF	glasses refraction
GM	granulocyte macrophage
GM-CSF	granulocyte-macrophage colony-stimulating factor
GMP	good manufacturing practice
GMP	guanosine monophosphate
GPCR	g-protein coupled receptor
GRIN	gradient refractive index

Acronym	Term
GRK1	g-protein coupled receptor kinase 1 (rhodopsin kinase)
GRK7	g-protein coupled receptor kinase 7 (cone opsin kinase)
gRNA	guide RNA
GRREM	growth removal
GS	glutamine synthetase
GSH	reduced glutathione
GSSG	oxidized glutathione
GST	glutathione S-transferase
GT	glasses trouble
Gta1	rod transducin alpha subunit
gtt(s)	drop(s)
GVF	Goldman visual field
GVHD	graft versus host disease
H/O	history of
HA	homatropine
HBSS	Hanks' balanced salt solution
HC	horizontal cell
HDR	homology-directed repair
HEPES	<i>N</i> -2-hydroxyethyl-1-piperazine- <i>N'</i> -2-ethanesulfonic acid
hES	human embryonic stem cells
HFP	heterochromatic flicker photometry
HIPAA	Health Insurance Portability and Accountability Act of 1996
HLA	human leukocyte antigen
HLE	human lens epithelium
HM	hand motion vision
HM	hyaloid membrane
HMW	high molecular weight
HOA	higher order aberrations
HoT	hypotropia (add an apostrophe to indicate at near – eg. et' means esotropia at near)
HPF	high power field
HPLC	high-performance liquid chromatography
HRPE	human retinal pigment epithelium
HSP	heat shock protein

Acronym	Term
HSV	herpes simplex virus
HT	hypertropia
HVF	Humphrey visual field
HZO	herpes zoster ophthalmicus
I	indirect laser
i.c	between meals
IACUC	institutional animal care and use committee
IC	impression cytology
ICCE	intracapsular cataract extraction
ICE	iridocorneal endothelial syndrome
ICGA	indocyanine green angiography
ID	infective dose
IDDM	insulin-dependent diabetes mellitus
IERG	intraretinal electroretinogram
IF 1%	inflamase forte 1%
IFN	interferon (ie, IFN-g)
Ig	immunoglobulin
iGluR	ionotropic glutamate receptor
IHC	immunohistochemistry
IJCN	inflamed juvenile conjunctival nevus
IK	interstitial keratitis
IL	interleukin (ie, IL-2)
ILM	internal limiting membrane
IM	intramuscular(ly)
IMG	inspissated meibomian glands
IMT	immuno modulatory therapy
IN	infantile nystagmus
IND	investigational new drug application
INL	inner nuclear layer
INT-REQ	interpreter requested
IO	inferior oblique (muscle)
IOAI	intraocular avastin injection
IOFB	intraocular foreign body
IOL	intraocular lens
IOLI	intraocular lucentis injection
IOOA OU	inferior oblique over action both eyes

Acronym	Term
IOP	intraocular pressure
IOSI	intraocular steroid injection
IP	intellectual property
	intraperitoneal(ly)
IP3	inositol triphosphate
IPD	interpupillary distance
IPL	inner plexiform layer
ipRGC	intrinsically photosensitive (melanopsin-expressing) retinal ganglion cell
iPSC	induced pluripotent stem cells
IQ	intelligence quotient
IQR	inter-quartile range
IR	inferior rectus muscle
IRB	institutional review board
IRMA	immunoradiometric assay
IRMA	intraretinal microvascular abnormality
IS	inner segments
ISBN	International Standard Book Number
ISI	inter-stimulus interval
ISSN	International Standard Serial Number
IT	infrotemporal cortex
IV	intravenous
IVA	intravitreal Avastin
IVC	intravenous chemotherapy
IVCCM	in vivo corneal confocal microscopy
IVCM	in vivo confocal microscopy
IVit	intravitreal
IVitC	intravitreal chemotherapy
IVL	intravitreal Lucentis
IZ	interdigitation zone (from oct of outer retina)
J1,J2,J3 etc.	test types for reading vision
JCT	juxtacanalicular tissue
JEB	junctional epidermolysis bullosa
JIA	juvenile idiopathic arthritis
JND	just noticeable difference

Acronym	Term
JOAG	juvenile open angle glaucoma
JRA	juvenile rheumatoid arthritis
K	cornea keratocyte (i.e., quiescent stromal fibroblast)
K	keratometer reading
kb	kilobases
κB	kappa-binding factor
KC , KCN	keratoconus
KCS	keratoconjunctivitis sicca
KO	knockout
KP	keratic precipitate
Kpro	keratoprosthesis
K-RDG	keratometer reading
L & A	light and accommodation
L / L	lids/lashes
L Hypo, L HoT	left hypotropia
L/M	left message
LA	lens aspiration
Lag	lid lag
LASEK	laser epithelial keratomileusis
LASIK	laser-assisted in situ keratomileusis
LCA	Leber's congenital amaurosis
LCs	Langerhans cells
LD	lethal dose
LD	lid hygiene
LDH	lactate dehydrogenase
LDL	low density lipoprotein
LEC	lens epithelial cell
LED	light emitting diode
LF	levator function
LFU	lacrimal functional unit
LG	lacrimal gland
LGB	lateral geniculate body
LGFU	lacrimal gland functional unit (secretory acinus and acinus associated myoepithelial cells)
LGN	lateral geniculate nucleus of the thalamus
LGS	lissamine green stain

Acronym	Term
LH	left hyperphoria
LHON	Leber's hereditary optic neuropathy
LHT	left hypertropia
LI/LPI	laser iridotomy/laser peripheral iridotomy
LIO	laser indirect ophthalmoscopy
LIRD	light-induced retinal degeneration
LK/LKP	lamellar keratoplasty
LM	light microscopy
LN	latent nystagmus
LNP	linear, nonlinear, poisson (model)
LOC	laxative of choice
LOCS	laryngo-onycho-cutaneous syndrome
LOCS	lens opacities classification system
LOE	loss of eye
LOGIC	laryngeal and ocular granulation in children
logMAR	logarithm of the minimum angle of resolution
LOV	loss of vision
LP	light perception
LP c projection	light perception with projection
LP s projection	light perception without projection
Lp(a)	lipoprotein(a)
LPI	laser peripheral iridotomy
LPS	levator palpebrae superioris
LPS	lipopolysaccharide
LPS	lysosomal proteolytic system
LR	lateral rectus (muscle)
LRP	LDL-related protein co-receptor
LSC	limbal stem cell
LSCD	limbal stem cell deficiency
LSV	lens-sparing vitrectomy
LTD	long-term depression
LTG	low tension glaucoma
LTP	laser trabeculoplasty
LTP	long-term potentiation

Acronym	Term
LV	low vision
LVR	low vision rehabilitation
LWLID	lower lid evaluation
LWS	long wavelength sensitive fundamental primary, red cone pigment (rcp)
M	manifest (non-cyclopleged) refraction, membrane dissection
m-	meta- (chemical prefix)
M & N	mydriacyl & neosynephrine mixture used for pupil dilation
M.A.A.R.I. E	method, assignment, assessment, results, interpretation, extrapolation
M/F	male/female (only in Tables)
M1	mydriacyl (tropicamide) 1%
MA	microaneurysm
mAb	monoclonal antibody
MACCK	macular degeneration check
MACEV	macular degeneration evaluation
MacTel	macular telangiectasia
MAR	minimum angle of resolution
MDB	minimally distinct border
MDF	map dot finger print corneal dystrophy
MDS	multidimensional scaling
MEC	myoepithelial cell
MECP	myoepithelial cell progenitor
MEM	minimum essential medium
mESC	mouse embryonic stem cell
MFIOL / MF-IOL	multifocal intraocular lens
MG	myasthenia gravis
MGD	meibomian gland dysfunction
MGL	meibomian gland loss (or dropout)
mGluR	metabotropic glutamate receptor
MGP	meibomian gland plugging I
MH	macular hole
MHC	major histocompatibility complex
MIAME	minimum information about a microarray experiment
MIOL	multifocal intraocular lens

Acronym	Term
MK medium	Mckarey-Kaufman medium
MLB	multi-lamellar body
mM	millimolar
MMC	mitomycin-c
MMG	mucous membrane graft
MOBS	modified binary search
Mod.	moderate
MOOSE	meta-analysis of observational studies in epidemiology
MOPS	3-(N-morpholino)propanesulfonic acid
mOsm	milliosmole
MOU	memorandum of understanding
MP	macular pucker
MP	membrane peeling
MR	manifest refraction
MR	medial rectus muscle
MRD1	margin to reflex distance 1
MRD2	margin to reflex distance 2
MRI	magnetic resonance imaging
mRNA	messenger ribonucleic acid
MRx	manifest refraction
MS	multiple sclerosis
MT	mediotemporal cortex
MTA	materials transfer agreement
MTF	modulation transfer function
MVA	motor vehicle accident
MWS	middle wavelength sensitive fundamental primary, green cone pigment (gcp)
N2.5/N10	neo-synephrine (phenylephrine) 2.5% or 10%
N5, N6 etc.	test types for near vision
NA	not available
Na,K-ATPase	sodium, potassium, and adenosine triphosphatase
NAG	narrow angle glaucoma
NAION	nonarteritic ischemic optic neuropathy

Acronym	Term
ND	not determined
Nd:YAG	neodymiumyttrium-aluminum-garnet (laser)
nDSEK	Descemet's non-stripping endothelial keratoplasty
ne rep.	do not repeat
NF	National Formulary
NFL	nerve fiber layer
NGS	next generation sequencing
NHEJ	non-homologous end joining
ni	no improvement
NIDDM	non-insulin—dependent diabetes mellitus
NK	natural killer (ie, NK cells)
NI, nl	normal
NLD	nasolacrimal duct
NLDO	nasolacrimal duct obstruction
NLP	no light perception
NMDA	n-methyl-d-aspartate
NO	nitric oxide
NOT	nucleus of the optic tract
NOV	nephroblastoma-overexpressed
NP	new patient
NPA	near point of accommodation
NPC	near point of convergence
NPDR	nonproliferative diabetic retinopathy
NPE	nonpigmented ciliary epithelium
NR	non-reactive
NR2E3	nuclear receptor-2-e3 (pnr: photoreceptor specific nuclear receptor)
NRC	normal retinal correspondence
NRL	neural retina leucine zipper
NS	not significant
NS, NSC	nuclear sclerosis, nuclear sclerotic cataract
NSAID	non-steroidal anti-inflammatory drug
NTG	normal tension glaucoma
NV	neovascularization
NV or nVA	near vision

Acronym	Term
NVA	neovascularization of the angle
NVD	neovascularization at disc
NVE	neovascularization of the retina elsewhere (outside the disk)
NVG	neovascular glaucoma
NVI	neovascularization of iris (rubeosis iridis)
o-	ortho- (chemical prefix)
O ₂	oxygen
OAG	open angle glaucoma
OCT	optical coherence tomography
OCT	optimum cutting temperature
OCT	ornithine carbamoyltransferase
OCT-A	OCT angiography
OD	oculus dexter (right eye); use only with a number
OD	optical disc
OFZ	organelle free zone
OGR	open globe repair
OHRP	office of human research protections
OHT	ocular hypertension
OIN, OINT	ointment
OIR	oxygen-induced retinopathy
OKN	optokinetic nystagmus
OKR	optokinetic reflex
OKT	optokinetic tracking
OLM	outer limiting membrane
OMICS	informal reference to areas of study ending in -omics (e.g. genomics, transcriptomics)
ON	optic nerve
ONH	optic nerve head
ONL	outer nuclear layer
OPK	optical penetrating keratoplasty
OPL	outer plexiform layer
Or, Orx	over-refraction
ORB	orb scan
ORION	outbreak reports and intervention studies of nosocomial infection

Acronym	Term
OS	oculus sinister (left eye); use only with a number
OS	outer segments (retina)
OSD	ocular surface diseases
OSDI	ocular surface disease index
OT	ocular tension
OU	oculus unitas (both eyes); use only with a number
OU	oculus uterque (each eye); use only with a number
OVD	ophthalmic viscosurgical device
P	pupils
p-	para- (chemical prefix)
p.c.	after meals
P.D.	pupillary distance
P1, P2, P4	pilocarpine (with concentration)
PACG	primary angle-closure glaucoma
PaCO ₂	partial pressure of carbon dioxide, arterial
PAF	paraformaldehyde
PAGE	polyacrylamide gel electrophoresis
PALM	photo-activated localization microscopy
PAM	protospacer-adjacent motif, potential acuity meter
PaO ₂	partial pressure of oxygen, arterial
Pap	papillae
PAS	peripheral anterior synechiae, periodic acid Schiff, primary acquired melanosis
PBK	pseudophakic bullous keratopathy
PBS	phosphate-buffered saline
PC	posterior chamber
PC haze	posterior capsular haze
PCE	pseudophakic corneal edema
PCIOL	posterior chamber intraocular lens
PCO	posterior capsular opacification
PCP	primary care physician
PCR	polymerase chain reaction
PCT	prism cover test
PCV	polypoidal choroidal vasculopathy

Acronym	Term
PD	pharmacodynamics
PD	prism diopters
PD	potential difference
PDE6	phosphodiesterase 6
PDG	pigment dispersion glaucoma
PDMS	polydimethylsiloxane
PDR	proliferative diabetic retinopathy
PDS	pigmentary dispersion syndrome
PDT	photodynamic therapy
PE	pigmented ciliary epithelium
PE, PHACO	phacoemulsification
PED	persistent epithelial defect
PED	pigment epithelial detachment
PEE	punctate epithelial erosion
PEG	punctate epithelial granularity
PEK	punctate epithelial keratitis or keratopathy
PERL	pupils equal and reactive to light
PERRL(A)	pupils equal, round, reactive to light and accommodation
PEST	parametric estimation by sequential testing
PF, PA 1%	pred forte eye drops, prednisolone acetate
PFAT	preservative free artificial tears
PFO	perfluoron
PG	pigmentary glaucoma
PG	prostaglandin
PH	pinhole
pH	hydrogen ion concentration; negative logarithm of hydrogen ion activity
PHI	protected health information
PHNI	pinhole no improvement
PHPV	persistent hyperplastic of primary vitreous
PI	peripheral iridectomy/iridotomy, phosphoinositide, principal investigator
PI 1/8	phospholine iodine 1/8%
PIS	photoreceptor inner segments

Acronym	Term
PK	pharmacokinetics
PK, PKP	penetrating keratoplasty
PKA	cyclic amp-dependent protein kinase A, protein kinase A
PKC	protein kinase c
PL	perception of light
PMA	phorbol 12-myristate acetate
PMF	premacular fibrosis
PMMA	poly(methyl methacrylate)
PNR	photoreceptor specific nuclear receptor (nr2e3)
PO or per os	orally, by mouth
PO ₂	partial pressure of oxygen
POAG	primary open-angle glaucoma
POHS	presumed ocular histoplasmosis syndrome
POS	photoreceptor outer segments
PP	pars planitis
PPA	peripapillary atrophy
PPC	primary posterior capsulotomy
PPL	pars plana lensectomy
PPV	pars plana vitrectomy
PPVD	painless progressive decrease of vision
PR	photoreceptor
PR	per rectum
PR	pneumatic retinopexy
PR	projection of light
PRISMA	preferred reporting items for systematic reviews and meta-analyses
PRK	photorefractive keratectomy
PRL	preferred retinal locus
PRN	as needed
PRO	patient reported outcome
PROSE	prosthetic replacement of ocular surface ecosystem
PRP	panretinal photocoagulation
PRPH	percent recovery per hour
PS	posterior synechiae

Acronym	Term
PSC	posterior subcapsular cataract
PSTH	peri-stimulus time histogram
PTC	pseudotumor cerebri
PTK	phototherapeutic keratectomy
Pv	episcleral venous pressure (also known as evp)
PV	preservation
PVA	presenting visual acuity
PVD	posterior vitreous detachment
PVR	proliferative vitreoretinopathy
PXE	pseudoexfoliation
PXF	pseudoexfoliation
PXFG	pseudoexfoliative glaucoma
PXG	pseudoexfoliation glaucoma
PXS	pseudoexfoliation syndrome
q.2h.	every 2 hours
q.h.	every hour
q.i.d.	four times daily
q.s.	quantity sufficient
qd	daily, once a day
qhs	nightly
qo	every other
R hypo, RHT, R HoT, RH	right hypertropia
R/B/MO	risk/benefits/management options
r/o, R/O, RO	rule out
R/S	reschedule
RA	rheumatoid arthritis
RAP	retinal angiomatous proliferation (also known as type 3 neovascularization)
RAPD	relative afferent pupillary defect
RB	retinoblastoma tumour-suppressor
RBC	rod bipolar cell
RCM	rostock corneal module
RCP	red cone pigment, long wavelength sensitive fundamental primary (lws)
RCT	randomized control trial

Acronym	Term
RD	retinal detachment
RDK	random dot kinematogram
rDNA	recombinant DNA
rDNA	ribosomal DNA
RDS	random dot stereogram
RECK, RCK	recheck
RECKO	recheck and orthoptic exam
REF	refraction
RER	rough endoplasmic reticulum
RF	receptive field
RFP	red fluorescent protein
RGC	retinal ganglion cell
RHO	rhodopsin
RIA	radioimmunoassay
RK	radial keratotomy
RKI	rho kinase inhibitor
RMS	root mean square
RNA	ribonucleic acid
Rnd	round
ROC	receiver operating characteristic
ROP	retinopathy of prematurity
ROS	reactive oxygen species
ROS	rod outer segment
RP	retinitis pigmentosa
RPD	reticular pseudodrusen
RPE	retinal pigment epithelium
RPGR	retinitis pigmentosa gtpase regulator
RPM	retro-prosthetic membrane
RR	relative risk
RR	risk ratio
RRD	rhegmatogenous retinal detachment
RT	retinal tear
RT-PCR	reverse transcription–polymerase chain reaction
RUSRI	rust ring
RxC	rod-cone interaction (also cxr - cone-rod interaction)

Acronym	Term
RZ	remodelling zone
s or sc	without refractive correction
S/P	status post
SB	scleral buckle
SC	Schlemm's canal, subcutaneous
SCC	short circuit current
SCH	subconjunctival hemorrhage
SD	standard deviation
SDD	subretinal drusenoid deposit
SD-OCT	spectral-domain optical coherence tomography
SDS	sodium dodecyl sulfate
SDT	signal detection theory, theory of signal detection (tsd)
SE	standard error
SEE	standard error estimate
SEM	scanning electron microscopy
SEM	standard error of the mean
SER	smooth endoplasmic reticulum
SF6	sulfur hexafluoride (gas)
SFEBq	serum-free floating culture of embryoid body-like aggregate with quick reaggregation
SICS	small incision cataract surgery
SIG	steroid-induced glaucoma
slgA	secretory IgA
Sihi, Sihy	silicone hydrogel
SIM	structured illumination microscopy
SiO	silicone IOL
sIRB	single IRB policy (U.S.)
SJS	Stevens-Johnson syndrome
sl	slight
SLE	systemic lupus erythematosus
SLE, SLX	slit-lamp examination
SLET	simple limbal epithelial transplantation
SLK	superior limbic keratoconjunctivitis
SLO	scanning laser (or light) ophthalmoscopy
SLR	single-lens reflex

Acronym	Term
SLT	selective laser trabeculoplasty
SMILE	small-incision lenticule extraction
SMLM	single molecule localization microscopy
SN	Snellen letters
SNP	single nucleotide polymorphism
SO	superior oblique muscle
sol	solution
SOOA	superior oblique overaction
Sph, SPHL	spherical lens
SPK	superficial punctate keratitis (thygeson or keratopathy)
SQUIRE	standards for quality improvement reporting excellence
SR	superior rectus muscle
SRF	subretinal fluid
SRH	subretinal hemorrhage
SRN, SRNVM	subretinal neovascular membrane
SRRF	super-resolution radial fluctuations
SS	scleral spur
SSC	standard saline citrate (ie, 2x SSC)
SSCM	slit-scanning confocal microscope
SS-OCT	swept source optical coherence tomography
SSPE	saline sodium phosphate-EDTA (ie, 5x SSPE)
ST	Schiotz tension
STA	spike-triggered average
STARD	standards for reporting of diagnostic accuracy
STARE	sustained tear exposure
stat	at once
STC	spike-triggered covariance
STED	stimulated emission depletion
STK	Sub-Tenon's kenalog injection
STORM	stochastic optical reconstruction microscopy
STR profiling	short tandem repeat (str) profiling

Acronym	Term
STREGA	strengthening the reporting of genetic association studies
STRF	spatio-temporal receptive field
STROBE	strengthening the reporting of observational studies in epidemiology
STZ	streptozotocin
Sub heme	subconjunctival hemorrhage
SV40	simian virus 40
SWS	short wavelength sensitive fundamental primary, blue cone pigment (bcp)
Sx	surgery
T & C	thin and clear
T 1/2, T 1/4	timoptic (with concentrations)
T, TEN, TNS	tension (pressure)
t.i.d.	three times daily
t1/2	half-life
Ta	tonometry by applanation
TABCL	tissue adhesive with bandage contact lens
TAC	Teller acuity cards
TALEN	transcription activator-like effector nucleases
Tapp	pressure by applanation
TBUT	tear breakup time
TEARDUC T	tear duct evaluation
TEL	transmission electron microscopy
TEM	transmission electron microscopy
TEP	transepithelial potential
TGF	transforming growth factor
TIM	timolol
T-IOL	toric intraocular lens (IOL)
TIRF	total internal reflection fluorescence microscopy
TLC	thin-layer chromatography
TM	trabecular meshwork
TNF-	tumor necrosis factor-
TNM	tumor, node, metastasis (cancer staging)

Acronym	Term
TNS-GAT	Goldmann applanation tonometry
Tono	tonometer pressure check
topo, TOPOG	topography
TPK	therapeutic penetrating keratoplasty
Tr	trace
Trab	trabeculectomy
TRD	tractional retinal detachment
TREND	transparent reporting of evaluations with nonrandomized designs
TRIS or Tris	tris(hydroxymethyl)aminomethane
TRL	trained retinal locus
tRNA	transfer RNA
TRV	test-retest variability
TSD	theory of signal detection, signal detection theory (sdt)
TSP	trypticase soy broth
Ttono	pressure by tonopen
TTT	transpupillary thermotherapy
TUNEL	TdT-dUTP terminal nick-end labeling
TUNEL assay	terminal deoxynucleotidyl transferase (tdt) dUTP nick-end labeling (tunel) assay
Tx, TRT, TX, Tx, TREAT	treatment
TZ	transitional zone
U/S, US	ultrasound
UBM	ultrasound biomicroscopy
UCS	uniform color space (also cielab and cieluv)
UCVA	uncorrected visual acuity
UHR-OCT	ultrahigh-resolution OCT
ul	uniformly labeled
µl	microliter
µm	micrometer, micron
Ung	ointment
UPLID	upper lid evaluation
UPS	ubiquitin proteasome system

Acronym	Term
UV	ultraviolet
UV/Vis	ultraviolet-visible light spectroscopy
UV-A	ultraviolet A
UV-B	ultraviolet B
UV-C	ultraviolet C
V	vision
V, Va, VA	visual acuity
V, Vit	vitrectomy
V1	visual area V1, primary visual cortex
V2	visual area V2, secondary visual cortex, prestriate cortex
V2	vigamox vexol
V3	visual area V3, third visual complex, third visual cortex
V4	visual area V4
V5	visual area V5, middle temporal visual area
VAc or Vacc	visual acuity with correction
Vas or VAsc	visual acuity without correction
VEGF	vascular endothelial growth factor
VEGFA	vascular endothelial growth factor - a
VEP	visual evoked potential
VER	visual evoked response
VF	visual field
VFQ	visual function questionnaire
VH	vitreous hemorrhage
VHDL	very high-density lipoprotein
vit	vitreous
VKC	vernal kerato-conjunctivitis
VMT	vitreomacular traction

Acronym	Term
VO ₂	maximum oxygen consumption per unit time
VO ₂ max	maximum oxygen consumption
vol/vol	volume/volume
VR	vitreo-retinal
VT	vision therapy
VTX	vitrectomy
W, WEAR	wearing
W4D	worth 4-dot test (in strabismus)
WAGR	Wilm's tumor-aniridia-genital anomalies-retardation
WAVE	wave scan
WC	warm compress
wt/vol	weight/volume
X	exophoria for distance
X(T), X(t)	intermittent exotropia distance
X'	exophoria at near
X'(t)	intermittent exotropia at near
X'T	exotropia at near
XFG	exfoliation glaucoma
XFS	exfoliation syndrome
X-linked RP	x sex chromosome linked retinitis pigmentosa
XP	exophoria
XP	xeroderma pigmentosum
XT	exotropia
YAG	yttrium aluminum garnet laser
ZF	zonular fiber
ZFN	zinc-finger nucleases
ZZ	zonule of zinn