

List of Abbreviations

The following terms are frequently used throughout this book and therefore are abbreviated.

AS- OCT: Anterior Segment Optical Coherence Tomography

¹⁰³**Pd:** Palladium-103

¹⁰⁶**Ru:** Ruthenium-106

¹²⁵**I:** Iodine-125

¹³¹**Cs:** Cesium-131

5-FU: 5-fluorouracil

⁶⁰**Co:** Cobalt-60

⁹⁰**Sr:** Strontium-90

⁹⁰**Y:** Yttrium-90

AAPM: American Association of Physicists in Medicine

ABS: American Brachytherapy Society

ACC: Adenoid Cystic Carcinoma

AdCC: Adenoid Cystic Carcinoma

ADP: Adipophilin

AI: Artificial Intelligence

AJCC: American Joint Committee on Cancer

ALARA: As Little As Reasonably Achievable

ALT: Alanine Transaminase

AML: Acute Myeloid Leukemia

APH: Alkaline Phosphatase

ARMD: Age-related Macular Degeneration

AS- OCT: Anterior Segment Optical Coherence Tomography

AST: Aspartate Transferase

AV: Arteriovenous

AVM: Arteriovenous Malformation

BAP-1: BRCA-Associated Protein 1

BCC: Basal Cell Carcinoma

BCNU: 1,3-bis-(2-chloroethyl)-1-nitrosourea

BIL: Bilirubin

BOLD: Blood Oxygen Level Dependent

BRAF: B-Raf Proto-Oncogene

BRAF: B-Raf proto-oncogene, serine/threonine kinase

BRCA2: BRCA-Associated Protein 2

BRLH: Benign Reactive Lymphoid Hyperplasia

BRVO: Branch Retinal Vein Occlusion

c-KIT: KIT proto-oncogene, receptor tyrosine kinase

C: Celsius

CB: Ciliary Body

CCH: Circumscribed Choroidal Hemangioma

CCM: Cerebral Cavernous Malformation

CDH1: Cadherin 1

CEV: Carboplatin, Etoposide, Vincristine

CGH: Comparative Genomic Hybridization

CHOP: Cyclophosphamide doxorubicin vincristine prednisone

CHRPE: Congenital Hypertrophy of the Retinal Pigment Epithelium

CIS: Carcinoma in Situ

CL: Choroidal Lymphoma

CME: Cystoid Macular Edema

CMM: Conjunctival Malignant Melanoma

CNS: Central Nervous System

CNSL: Central Nervous System Lymphoma

CNV: Choroidal Neovascularization

COMS: Collaborative Ocular Melanoma Study

COVID: Corona Virus Disease 2019

CRISPR: Clustered Regularly Interspaced Short Palindromic Repeats

CSF: Cerebral Spinal Fluid

CT: Computed Tomography

CTLA-4: Cytotoxic T Lymphocyte-associated Antigen 4

CVP: Cyclophosphamide vincristine prednisone

CWS: Cotton-Wool Spots

CXR: Chest x-ray

CYSLTR2: Cysteinyl Leukotriene Receptor 2

D3: Disomy 3

DA: Disc Areas

DFG: Dermis Fat Graft

DLBCL: Diffuse Large B-Cell Lymphoma

DNA: Deoxyribonucleic Acid

DRO: Doctors Reported Outcomes

EBRT: External Beam Radiation Therapy

EGFR: Epidermal Growth Factor Receptor

EIF1AX: Eukaryotic Translation Initiation Factor 1A

EMA: Epithelial Membrane Antigen

EMZL: Extranodal Marginal Zone Lymphoma

ENMZL: Extranodal Marginal Cell Lymphoma

ERG: Electroretinogram

ERK: Extracellular Signal-Regulated Kinase

ERM: Epiretinal Membrane

ESE: Extrascleral Extension

EZH2: Enhancer of Zeste Homolog 2

f-MRI: Functional Magnetic Resonance Imaging

FA: Fluorescein Angiography

FACT: Fingers Aspiration Biopsy Technique



FAF: Fundus Autofluorescence
FAP: Familial Adenomatous Polyposis
FDA: Food and Drug Administration
FDG: Fluorodeoxyglucose
FFA: Fundus Fluorescein Angiography
FISH: Fluorescence in Situ Hybridization
FIT: Finger Iridectomy Technique
FL: Follicular Lymphoma
FNAB: Fine Needle Aspiration Biopsy
FOXP3+: forkhead box P3
FS: Fat Suppression
FS: Frozen Section
Gd: Gadolinium
GEP: Gene Expression Profile
GGT: Gamma-Glutamyl Transpeptidase
GNA: G Protein Subunit Alpha
GNA11: G protein subunit alpha 11
GNAQ: G-protein subunit alpha Q
GNAQ: Gene associated with SWS
gp100: glycoprotein 100
GPCR: G protein-coupled receptor
H: Heritable
HDR: High Dose Rate
HES1: Hairy and Enhancer of Split -1
HIPAA: Health Insurance Portability and Accountability Act
HIV: Human Immunodeficiency Virus
HLA: Human Leukocyte Antigen
HLD: High Level Disinfection
HOCL: Hypochlorous Acid
IAC: Intra-Arterial Chemotherapy
ICG: Indocyanine Green
ICGA: Indocyanine Green Angiography
ICRB: International Classification of Retinoblastoma
IFN: Interferon
IgG4-RD: Immunoglobulin G4 Related Disease
IgG4: Immunoglobulin G4
IGH: Immunoglobulin Heavy Chain Genes
IHC: Immunohistochemistry
IIRC: International Intraocular Retinoblastoma Classification
IMRT: Intensity Modulated Radiation Therapy
IOI: Idiopathic Orbital Inflammation
IOP: Intraocular Pressure
IPE: Iris Pigment Epithelium
IRBCC: International Retinoblastoma Comprehensive Course
IRSG: Intergroup Rhabdomyosarcoma Study Group
ISOO: International Society of Ophthalmic Oncology
ITA: Intravitreal Triamcinolone
IVC: Intravitreal chemotherapy
KHCC: King Hussein Cancer Center
LDH: Lactate dehydrogenase
LDR: Low Dose Rate
LINAC: Linear Accelerator
LTF: Liver Function Tests
LUMPO: Liverpool Uveal Melanoma Prognosticator Online
LV: Liberty Vision Corporation
M-OSSN: Malignant Ocular Surface Squamous Neoplasia
M: Medial
M3: Monosomy 3
MALT: Mucosa Associated Lymphoid Tissue
MAPK: Mitogen-Activated Protein Kinase
MCL: Mantle Cell Lymphoma
MEK: Mitogen-Activated Protein Kinase
MHz: Megahertz
MIBT: Minimally Invasive Biopsy Techniques
MIS: Melanoma in Situ
MLPA: Multiplex Ligation-dependent Probe Amplification
MMC: Mitomycin C
MMS: Mohs Micrographic Surgery
MOST: Melanoma = Orange Pigment + Subretinal Fluid + Thickness
MRA: Magnetic Resonance Angiography
MRE: Magnetic Resonance Elastography
MRI -T1: Longitudinal Relaxation Time
MRI -T2: Transverse Relaxation Time
MRI: Magnetic Resonance Imaging
MTOR: Signaling Pathway
MTX: Methotrexate
MYCN: A member of the MYC family of oncogenes.
nAMD: Neovascular Age-related Macular Degeneration
NF: Neurofibromatosis
NF1: Neurofibromatosis 1
NF1: Neurofibromin 1
NFkB: Nuclear Factor kappa B
NHL: Non-Hodgkin Lymphoma
NIST: National Institute of Standards and Technology
NRAS: NRAS Proto-oncogene, GTPase
NYECC: The New York Eye Cancer Center
OCT-A: Optical Coherence Tomography Angiography
OCT: Optical Coherence Tomography
ODM: Optic Disc Melanocytoma
OOTF: Ophthalmic Oncology Task Force

OPG: Optic Pathway Glioma
OPL: Orange Pigment Lipofuscin
OSSN: Ocular Surface Squamous Neoplasia
PAM: Primary Acquired Melanosis
PARP: Poly APP-Ribose Polymerase
PAS: Periodic Acid-Schiff
PCNSL: Primary Central Nervous System Lymphoma
PCR: Polymerase Chain Reaction
PD-1: Programmed Cell Death Receptor 1
PDT: Photodynamic Therapy
PEH: Pseudoepitheliomatous Hyperplasia
PERT: Pre-enucleation Radiation Therapy
PET/CT: Positron Emission Tomography / Computed Tomography
PET/MRI: Positron Emission Tomography / Magnetic Resonance Ima
PFC: Perfluorocarbon
PHPV: Persistent Hyperplastic Primary Vitreous
PKC: Protein Kinase C
PLCB4: Phospholipase C Beta 4
PLSU: Posterior Lamellar Sclerouvectomy
PODC: Pediatric Oncology in Developing Countries
PPA: Pyropheophorbide A
PRAME: Preferentially Expressed Antigen in Melanoma
PRP: Panretinal Photocoagulation
PTCH: Patched-1 Gene
PTEN: Phosphatase and Tensin Homolog
PVRL: Primary Vitreoretinal Lymphoma
RAB31: RAB31, member RAS oncogene family
RB: Retinoblastoma
RCA: Retinal Capillary Angioma
RCH: Retinal Capillary Hemangioma
RD: Retinal Detachment
RNA: Ribonucleic Acid
RON: Radiation Optic Neuropathy
RPE: Retinal Pigment Epithelium
RPEH: Retinal Pigment Epithelial Hypertrophy
RT: Radiation Therapy
SALT: Sequentially Aggressive Local Treatment
SCC: Squamous Cell Carcinoma
SF3B1: Splicing Factor 3b Subunit 1
SG: Sebaceous Gland
SGCa: Sebaceous Cell Carcinoma
SGCa: Sebaceous Gland Carcinoma
SIOP: International Society of Pediatric Oncology
SLN: Sentinel Lymph Node
SNP: single nucleotide polymorphism
SORTT: Study of Ophthalmic Radiation Therapy Toxicity
SRF: Subretinal Fluid
SRN: Subretinal Neovascularization
SRS: Stereotactic Radiosurgery
SWS: Sturge-Weber Syndrome
SYK: A Protein Required for Tumor Survival
TCGA: The Cancer Genome Atlas
TCR: T Cell Receptor
Til: Tumor Infiltrating Lymphocyte
TLR: Toll Like Receptors
TNM: Tumor Node Metastasis
TNMH: Tumor Node Metastasis Heritable
TP53: Tumor Protein p53
TPS: Treatment Planning Software
TSC: Tuberous Sclerosis Complex
TSG: Tumor Suppressor Genes
TTT: Transpupillary Thermotherapy
UBM: Ultrasound Biomicroscopy
UICC: Union for International Cancer Care
UM: Uveal Melanoma
URPED: Unilateral Retinal Pigment Epithelial Dysgenesis
US: United States
USG: Ultrasonography
UV: Ultraviolet
VEGF: Vascular Endothelial Growth Factor
VHL: Von Hippel-Lindau
VPT: Vasoproliferative Tumor
VRAB: Vitrectomy Retinotomy Aspiration Biopsy
VRL: Vitreoretinal Lymphoma
WES: Whole Exome Sequencing
WF: Wedge Filter
WGS: Whole Genome Sequencing
WHO: World Health Organization
XP: Xeroderma Pigmentosa
YAP: Yes-Associated Protein

