

Acronyms and Abbreviations

The following is a list of acronyms and abbreviations that are acceptable for item writers to use without expansion per ABR style and policy. All other terms should be spelled out at first use, followed by the abbreviation or acronym in parentheses. Please adhere to any discipline-specific notations. See also *AMA Manual of Style*, 11th edition, 13.11 and 13.12. Questions or comments about this list may be directed to Editing@theabr.org.

2D, 3D, 4D – two-dimensional, three-dimensional, four-dimensional

2D FT – two-dimensional Fourier transform (*MP only*)

5-FU – fluorouracil

AAPM – American Association of Physicists in Medicine (*MP only*)

ACGME – Accreditation Council for Graduate Medical Education

ACR – American College of Radiology

ADCL – accredited dosimetry calibration laboratory (*MP only*)

ADT – androgen deprivation therapy (*RO only*)

AI – artificial intelligence

AIDS – acquired immunodeficiency syndrome

AJCC – American Joint Committee on Cancer

ALARA – as low as reasonably achievable

ANOVA – analysis of variance

AP – anteroposterior

ASCO – American Society of Clinical Oncology (*RO only*)

ASTRO – American Society for Radiation Oncology (*RO only*)

ATM – ataxia telangiectasia mutated

ATP – adenosine triphosphate

BED – biologically effective dose (*RO and MP only*)

BEIR – Biological Effects of Ionizing Radiation (*MP only*)

BI-RADS – Breast Imaging, Reporting and Data System

BMD – bone mineral density

BMI – body mass index

BOLD – blood-oxygen-level dependent (*MP only*)

CADASIL – cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy

CBCT – cone-beam CT (*RO and MP only*)

CC – craniocaudal (*DR, IR, and MP only*)

CFR – Code of Federal Regulations

CHARGE – coloboma, heart defects, atresia of the nasal choanae, retardation of growth and/or development, genital abnormalities, ear abnormalities

CLIPPERS – chronic lymphocytic inflammation with pontine perivascular enhancement responsive to steroids

CLOVES – congenital lipomatous overgrowth, vascular malformations, epidermal nevi, and spinal/skeletal anomalies and/or scoliosis

CNS – central nervous system

COPD – chronic obstructive pulmonary disease

COR – center of rotation (*MP only*)

COVID – coronavirus disease

COX – cyclooxygenase

CPPD – calcium pyrophosphate deposition disease

CPR – cardiopulmonary resuscitation

CPT – Current Procedural Terminology

CSF – cerebrospinal fluid	EORTC – European Organisation for Research and Treatment of Cancer
CT – computed tomography; computed tomographic [image]	EPI – echo-planar imaging (<i>MP only</i>)
CTDI – CT dose index	ER – estrogen receptor (<i>RO only</i>)
CTDI_{vol} – volume of CT dose index	ERCP – endoscopic retrograde cholangiopancreatography
CTDI_w – weighted CT dose index	ESE – entrance skin exposure
CTV – clinical target volume (<i>RO and MP only</i>)	EUS – endoscopic ultrasound (<i>DR, IR, and RO only</i>)
CZT – cadmium zinc telluride (<i>MP only</i>)	FDA – Food and Drug Administration
DAP – dose-area product (<i>MP only</i>)	FDG – fluorodeoxyglucose
DCIS – ductal carcinoma in situ	FEV – forced expiratory volume
DI – deviation index (<i>MP only</i>)	FEV1 – forced expiratory volume in 1 second
DICOM – digital imaging and communications in medicine	FIGO – International Federation of Gynecology and Obstetrics
DLCO – diffusion capacity of the lung for carbon monoxide	FLAIR – fluid-attenuated inversion recovery
DMSA – dimercaptosuccinic acid	fMRI – functional MRI
DNA – deoxyribonucleic acid	FWHM – full width at half maximum (<i>MP only</i>)
DSM – Diagnostic and Statistical Manual of Mental Disorders	GI – gastrointestinal
DTPA – diethylenetriaminepentaacetic acid	GSDF – grayscale standard display function (<i>MP only</i>)
DVH – dose-volume histogram	GTV – gross tumor volume (<i>RO and MP only</i>)
DVT – deep vein thrombosis	GU – genitourinary
DWI – diffusion-weighted imaging (<i>MP only</i>)	HASTE – half-Fourier acquisition single-shot turbo-spin-echo
EBRT – external beam radiation therapy (<i>RO and MP only</i>)	hCG – human chorionic gonadotropin
ECG – electrocardiogram	HDR – high dose rate (<i>MP only</i>)
ECMO – extracorporeal membrane oxygenation	HELLP – hemolysis, elevated liver enzymes, and low platelet count
ECOG – Eastern Cooperative Oncology Group	HIDA – hepatobiliary iminodiacetic acid
EDTA – ethylenediamine tetraacetate	HIPAA – Health Insurance Portability and Accountability Act of 1996
EDTMP – ethylenediamine tetramethylene phosphonate	HIS – hospital information system (<i>DR, IR, and MP only</i>)
EEG – electroencephalogram	
EGD – esophagogastroduodenoscopy	
EI – exposure index (<i>MP only</i>)	

HIV – human immunodeficiency virus	MIBG – metaiodobenzylguanidine
HL7 – Health Level 7	MinIP – minimum intensity projection (<i>DR, IR, and MP only</i>)
HMPAO – hexamethylpropyleneamine oxime	MIP – maximum intensity projection (<i>DR, IR, and MP only</i>)
HPV – human papillomavirus	MIRD – medical internal radiation dose (<i>MP only</i>)
HU – Hounsfield unit	MLC – multileaf collimator (<i>MP only</i>)
HVL – half-value layer (<i>MP only</i>)	MLO – mediolateral oblique (<i>DR, IR, and MP only</i>)
ICD – International Classification of Diseases	MOSFET – metal oxide semiconductor field effect transistor
ICRP – International Commission on Radiological Protection	MPPG – Medical Physics Practice Guideline (<i>MP only</i>)
ICRU – International Commission on Radiation Units & Measurement	MQSA – Mammography Quality Standard Act
ICU – intensive care unit	MR – magnetic resonance
IDA – iminodiacetic acid	MRCP – magnetic resonance cholangiopancreatography
IEC – International Electrotechnical Commission	MRI – magnetic resonance imaging
Ig – immunoglobulin	MSAD – multiple scan average dose
IMRT – intensity-modulated radiation therapy	NCCN – National Comprehensive Cancer Network (<i>RO only</i>)
INR – international normalized ratio	NCRP – National Council on Radiation Protection & Measurements
IR – interventional radiology	NEMA – National Electrical Manufacturers Association (<i>MP only</i>)
IUD – intrauterine device	NRC – Nuclear Regulatory Commission
IV – intravenous	NSA – number of signals averaged (<i>MP only</i>)
IVC – inferior vena cava	NSAIDs – nonsteroidal anti-inflammatory drugs
KAP – kerma-area product (<i>MP only</i>)	ODI – optical distance indicator
kerma – kinetic energy released in matter	OER – oxygen enhancement ratio
KUB – kidneys, ureters, bladder	OSEM – ordered subset expectation maximization (<i>MP only</i>)
LAT – lateral (<i>RO and MP only</i>)	OSLD – optically stimulated luminescent detector (<i>MP only</i>)
LD₅₀ – median lethal dose	
LET – linear energy transfer	
linac – linear accelerator	
MAA – microaggregated albumin	
MAG3 – mercaptoacetyltriglycine	
MDP – methylene diphosphonate	
MELAS – mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes	
MGMT – methyl guanine methyl transferase	

PA – posteroanterior

PACS – picture archiving and communication system

PDD – percent depth dose (*MP only*)

PET – positron emission tomography

PHACE – posterior fossa malformations–hemangiomas–arterial anomalies–cardiac defects–eye abnormalities

PHACES – posterior fossa malformations–hemangiomas–arterial anomalies–cardiac defects–eye abnormalities–sternal cleft and/or supraumbilical raphe

PIOPED – prospective investigation of pulmonary embolism diagnosis

PMT – photomultiplier tube (*MP only*)

POEMS – polyneuropathy, organomegaly, endocrinopathy, monoclonal gammopathy, skin changes

PPD – purified protein derivative

PR – progesterone receptor (*RO only*)

PRF – pulse repetition frequency

PSA – prostate-specific antigen

PTV – planning target volume (*RO and MP only*)

QA – quality assurance (*MP only*)

QC – quality control (*MP only*)

QUANTEC – Quantitative Analysis of Normal Tissue Effects in the Clinic

RADS – Reporting and Data System

RBC – red blood cell

RBE – relative biological effectiveness

RF – radiofrequency (*DR, IR, and MP only*)

R/F – radiography/fluoroscopy (*MP only*)

RIS – radiology information system (*DR, IR, and MP only*)

RNA – ribonucleic acid

ROC – receiver operating characteristic

RSNA – Radiological Society of North America

RTOG – Radiation Therapy Oncology Group

RVU – relative value unit

SAD – source-to-axis distance (*RO and MP only*)

SAPHO – synovitis, acne, pustulosis, hyperostosis, osteitis

SARS-CoV-2 – severe acute respiratory syndrome coronavirus 2

SBAR – structure, background, assessment, recommendation

SBRT – stereotactic body radiation therapy (*RO and MP only*)

SID – source-to-image distance (*MP only*)

SIR – Society of Interventional Radiology (*IR OLA only*)

SLAP – superior labrum from anterior to posterior

SMPTE – Society of Motion Picture and Television Engineers (*MP only*)

SNMMI – Society of Nuclear Medicine and Molecular Imaging

SPECT – single photon emission computed tomography

SRS – stereotactic radiosurgery (*RO and MP only*)

SRU – Society of Radiologists in Ultrasound (*Subspecialty and OLA only*)

SSD – source-to-skin distance (*RO and MP only*)

SSDE – size-specific dose estimate (*MP only*)

SSFP – steady-state free precession

STIR – short tau inversion recovery or short T1 inversion recovery

SUV – standardized uptake value

SVC – superior vena cava

TAR – tissue-air ratio (*MP only*)

TE – echo time

terma – total energy released per unit (*MP only*)

TG – task group (*MP only*)

TGF – transforming growth factor

TIPS – transjugular intrahepatic portosystemic
shunt

TLD – thermoluminescent dosimeter (*MP only*)

TNM – tumor, node, metastasis

TORCH – toxoplasmosis, other infections, rubella,
cytomegalovirus, herpes simplex virus

TR – repetition time

TURP – transurethral resection of the prostate

TVL – tenth-value layer (*MP only*)

UV – ultraviolet

VACTERL – vertebral anomalies, anal atresia,
cardiac defects, tracheoesophageal fistula and/or
esophageal atresia, renal anomalies, and limb
defects

WAGR – Wilms tumor, aniridia, genitourinary
malformations (or gonadoblastoma), mental
retardation

WBC – white blood cell

WHO – World Health Organization

Names of PET detectors:

BGO, LSO, GSO, LaBr₃, NaI(Tl)

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