

*Annals of Surgical Treatment and Research* provides a list of the official abbreviations. Otherwise, any unofficial abbreviation should be used where they appear in the text at least three times, and be explained in parentheses at the first time in the text. Do not use abbreviation(s) in the title.

$\alpha$ -FP	alpha-fetoprotein	HCV	hepatitis C virus
ACTH	adrenocorticotrop hormone (adrenocorticotropin)	HDL	high density lipoprotein
ADP	adenosine diphosphate	HDV	hepatitis D (delta) virus
ADPase	adenosine diphosphatase	HIV	human immunodeficiency virus
ALP	alkaline phosphatase	HLA	histocompatibility leukocyte antigen
ALT	alanine aminotransferase	HPF	high power field
AMP	adenosine monophosphate	HPLC	high performance liquid chromatography
ANC	absolute neutrophil count	HPV	human papilloma virus
anti-HAV	antibody to hepatitis A virus	IFN	interferon
anti-HBc	antibody to hepatitis B core antigen	Ig	immunoglobulin
anti-HBe	antibody to hepatitis B e antigen	IL	interleukin
anti-HBs	antibody to hepatitis B surface antigen	kb	kilobase
anti-HCV	antibody to hepatitis C virus	Km	Michaelis constant
anti-HDV	antibody to hepatitis D (delta) virus	LDH	lactic dehydrogenase
aPTT	activated partial thromboplastin time	LDL	low density lipoprotein
AST	aspartate aminotransferase	MHC	major histocompatibility complex
ATP	adenosine triphosphate	MRI	magnetic resonance imaging
ATPase	adenosine triphosphatase	mRNA	messenger RNA
BCG	bacillus Calmette-Guérin	n	number in study group
bp	base pair(s)	NANB	non-A, non-B (hepatitis)
BUN	blood urea nitrogen	No.	number(s)
CA 125	cancer antigen 125	NS	not significant
CA 19-9	carbohydrate antigen 19-9	NSAID	nonsteroidal anti-inflammatory drug
cAMP	adenosine 3',5'-cyclic monophosphate	OD	optical density
cDNA	complementary DNA	PCR	polymerase chain reaction
CEA	carcinoembryonic antigen	PET	positron emission tomography
cGMP	guanosine 3',5'-cyclic monophosphate	PG	prostaglandin
CNS	central nervous system	PGI	prostacyclin
CRP	C-reactive protein	PNS	peripheral nervous system
CSF	cerebrospinal fluid	PSA	prostate specific antigen
CT	computed tomography	PT	prothrombin time
DNA	deoxyribonucleic acid	RBC	red blood cell
ECG	electrocardiography	RFLP	restriction fragment length polymorphism
EDTA	ethylenediaminetetraacetic acid	RIA	radioimmunoassay
ELISA	enzyme-linked immunosorbent assay	RNA	ribonucleic acid
EMG	electromyography	RT-PCR	reverse transcription polymerase chain reaction
ESR	erythrocyte sedimentation rate	TG	triglyceride
FACS	fluorescence-activated cell sorter	TGF	transforming growth factor
FDP	fibrinogen degradation product	TNF	tumor necrosis factor
FISH	fluorescence in-situ hybridization	TXA <sub>2</sub>	thromboxane A <sub>2</sub>
$\gamma$ -GT	gamma glutamyltranspeptidase	UDCA	ursodeoxycholic acid
H&E	hematoxylin and eosin stain	UV	ultraviolet
HAV	hepatitis A virus	VIP	vasoactive intestinal polypeptide
HBcAg	hepatitis B core antigen	vol	volume(s)
HBeAg	hepatitis B e antigen	vs.	versus
HBsAg	hepatitis B surface antigen	WBC	white blood cell
HBV	hepatitis B virus	wt	weight

## ▀ Measurements and Units of Measure ▀

### Combining Prefixes

T	tera- ( $10^{12}$ )
G	giga- ( $10^9$ )
M	mega- ( $10^6$ )
k	kilo- ( $10^3$ )
h	hecto- ( $10^2$ )
da	deca- ( $10^1$ )
d	deci- ( $10^{-1}$ )
c	centi- ( $10^{-2}$ )
m	milli- ( $10^{-3}$ )
$\mu$	micro- ( $10^{-6}$ )
n	nano- ( $10^{-9}$ )
p	pico- ( $10^{-12}$ )
f	femto- ( $10^{-15}$ )
a	atto- ( $10^{-18}$ )

### Units

A	ampere(s)
Å	angstrom(s)
cal	calorie(s)
CFU	colony-forming unit(s)
C	coulomb(s)
cpm	counts per minute
cps	counts per second
cm <sup>3</sup>	cubic centimeter(s) (not cc)
Ci	Curie(s)
cycle/min	cycles per minute
cycle/sec	cycles per second
Da	dalton(s)
day(s)	day(s) (do not abbreviate)
dL	deciliter(s)
°C	degree(s) Celsius
d	density
dpm	disintegrations per minute
dps	disintegrations per second
eV	electron volt(s)
Eq	equivalent(s)
°F	degree(s) Fahrenheit
F	farad
ft	foot(feet)
G	gauss
g	gram(s)
$t_{1/2}$	half-life
H	henry(ies)
Hz	hertz
hr	hour(s)
in	inch(es)
IU	international unit(s)

J	joule(s)
K	kelvin
kcal	kilocalorie(s)
kDa	kilodalton(s)
kg	kilogram(s)
L	liter(s)
×	magnification
m	meter(s)
$\mu$ g	microgram(s)
$\mu$ L	microliter(s)
$\mu$ m	micrometers (do not use microns)
mL	milliliter(s)
mmHg	millimeter(s) of mercury
min	minute(s)
mol/L	molar
mol	mole(s)
mo	month(s)
$\Omega$	ohm(s)
osm	osmole(s)
oz	ounce(s)
Pa	pascal(s)
lb	pound(s)
psi	pound-force per square inch
rpm	revolutions per minute
rps	revolutions per second
sec	second(s)
U	unit(s)
V	volt(s)
W	watt(s)
wk	week(s)
yr	year(s)

### Statistical Terms

ANOVA	analysis of variance
CI	confidence interval
r	correlation coefficient
df	degrees of freedom
$\bar{x}$	mean
$\chi^2$ -test	chi-square test
NS	not significant
n	number of observations
OR	odds ratio
P	probability
SD	standard deviation
SE	standard error
SEM	standard error of the mean
t-test	Student t-test
F	variance ratio