

**SPARTANBURG REGIONAL HEALTHCARE SYSTEM
COMMON TERMINOLOGY ABBREVIATIONS
(Revised June , 2003)**

- A -

A2>p2	Aortic second sound greater than pulmonary second sound
A2<p2	Aortic second sound lesser than pulmonary second sound
A2	Aortic second sound
a	before
aa	Of each- equal parts
AA	Amino acid
A/A	Auto-analyzer
AAA	Abdominal Aortic Aneurysm
AAROM	Active assistive range of motion
Ab	Abortion
Abd	Abdomen
ABD	Abduction
ABG	Arterial Blood Gases
ABID	Antibody identification
Abn	Abnormality
ABO	ABO blood group
ABP	Arterial blood pressure
Absc	Antibody screen
abt	About
ac	Before meals
AC	Before meals
A/C	Assist control
ACC	Anode closing contraction
ACLS	Advanced Cardiac Life Support
Accom	accommodation
ACD	Absolute cardiac dullness
ACID PHOS.	Acid phosphatase
ACJ	Acromioclavicular Joint
ACN	Acute conditioned necrosis
ACP	Advanced Care Planning
ACRA	Acetylcholine receptor assay
ACS	American Cancer Society
ACTH	Adrenocorticotrophic hormone
ad	Add: let there be added
AD	Right ear
ADA	American Diabetic Association
ADAPT EQUIP	Adaptive equipment
ADD	Adduction
ADH	Antidiuretic hormone
ADL	Activities of daily living
ad lib	As desired
ADM	Admit (ed)/admission
adv	Against, Advance
A/DV	Arterio/deep venous
AE	Above elbow
AEB	As evidenced by
AERO	Aerobic

AF	Atrial Fibrillation
AFB	Acid fast bacillus
Afeb.	Afebrile
AFFL	Atrial Fibrillation Flutter
AFL	Atrial Flutter
AFRD	Acute febrile respiratory disease
A. Fib	Atrial fibrillation
AG	Atrial Gallop
A/G	Albumin globulin ratio
AGA	Average gestational Age
AGH	Anti-hemophiliac globulin
agit	Shake
AGN	Acute glomerulonephritis
AgNO	Silver nitrate
AHD	Arteriosclerotic heart disease
AHG	Antihuman globulin
AHT	Antihyaluronidase titer
AI	Aortic insufficiency
AICD	Automatic Implantable Cardioverter Defibrillator
AIDS	Acquired Immune Deficiency Syndrome
AJ	Ankle Jerk
AK	Above knee
AKA	Above-knee amputation
AKF	American Kidney Foundation
alb.	Albumin
alk.	Alkaline
ALK PHOS	Alkaline phosphatase
ALL	Acute lymphoblastic leukemia
ALMI	Anterolateral myocardial infarction
ALP	Anterior lobe of pituitary
Alt. Dieb. (qod)	Every other day
Alt. Noc. (qon)	Every other night
Alt. Hor. (qoh)	Every other hour
Am	Morning
AM	Before Noon
AMA	Against medical advice
amb	Ambulate/ambulatory
AMI	Anterior myocardial infarction
AML	Acute myoblastic leukemia
amp	Amputate/amputation
amp.	Ampule
Amp.	Ampere
amt	Amount
ANA	Antinuclear antibody; anaerobic
Anes	anesthesiology
Angio	Angiocath
Aniso	Anisocytosis
anisometer.	Anisometropia
ANP	Adenomonophosphate
ant	Anterior
Ant. Ax. Line	Anterior axillary line
AO	Aorta
AOC	Anode Opening Contraction
AODM	Adult onset diabetes mellitus

Aort. Regurg	Aortic Regurgitation
Aort. Sten	Aortic Stenosis
A.P.	Apical Pulse
A&P	Auscultation & Percussion
A-P	Anteroposterior
A-P & Lat	Anteroposterior and lateral
Apgar.	Assessment by physicians of infant at 0-5 minutes of life
APTT	Activated partial thromboplastin time
aq.	water
aq. dist.	Distilled water
A/R	Apical/Radial
ARC	AIDS related complex
ARDS	Adult respiratory distress syndrome
ARF	Acute Renal Failure
AROM	Active range of motion
ART	artery
AS	Left ear
ASA	Acetylsalicylic acid (aspirin)
ASAP	As soon as possible
ASCVD	Arteriosclerotic Cardiovascular Disease
ASD	Atrial Septal Defect
ASHD	Arteriosclerotic heart disease
ASMA	Anti-smooth muscle antibody
ASMI	Anteroseptal myocardial infarction
ASO	Anti-streptolysin-O
Asp	Aspirate
Assoc	Associate, association
ASST	Assistive
as tol	As tolerated
A/SV	Arterial/Superficial venous
ATR	Achilles tendon reflex
AU	Both ears
Aud	Auditory
AUS	Auscultation
ausc	Auscultation
A/V	Alveolar
AV	Arteriovenous
AV	Aortic Valve- Anterior ventricular
AVA	Arterial venous anastomosis
AV block	AV conduction
AVC	Aberrant Ventricular conduction
AVR	Aortic Valve Replacement
AWC	Airway Care
Ax	axillary

B -

B	both
b.	born
Ba	Barium
BAP	Brachial artery pressure
BB	Blowby
BBB	Bundle Branch Block
BBD	Blood Bank Donor
BBS	Bilateral Breath Sound

B.C.	Blood Culture
BE	Below elbow
B.E. (BaE)	Barium Enema
b/f	Black female
BID	Twice a day
b.i.d.	Twice a day
Bil.	Bilateral
Bili	Bilirubin
BIPP	Bi-Level Positive Airway Pressure
B&J	Bone and joint
BJW	B.J. Workman Hospital
BK	Below knee
BKA	Below knee amputation
BLD	Blood
BLE	Both Lower Extremities
b/m	Black male
BM	Bowel movement
BMP	Basic Metabolic Profile
BMR	Basal metabolic rate
BOH	Born out of hospital
BOM	Bilateral Otitis Media
BOP	Blood, ova, parasites
BOS	Base of support
BOW	Bag of Waters
BP	Blood pressure
BPD	Biparietal diameter
BPH	Benign Prostatic Hypertrophy
BR	Bedrest
BRP	Bathroom privileges
BRB	Bright Red Blood
Bronch.	Bronchial, bronchial washing
Bronk.	Bronkosol
br. sounds	Breath sounds
bs	Bowel sounds
BS	Blood sugar
BS	Bilateral stance
BSA	Body surface area
BS&O	Bilateral salpingo-oophorectomy
BSP	Bromsulphalein
BSR	Blood sedimentation rate
BTL	Bilateral Tubal Ligation
BUE	Both upper extremities
BUN	Blood urea nitrogen
BV	Blood volume
BVM	Bronchovesicular markings
BW	Body Weight
bx	Biopsy

- C -

c	With
C-1, C-2, etc.	Cervical vertebrae (one thru seven)
C2 HC13	trichloroethylene
C3 H6	Cyclopropane

C-spine	Cervical spine
C/A	Compressed Air
Ca	Calcium
CA	Cancer/Carcinoma; chronological age
CABG	Coronary Artery Bypass Graft
CAD	Coronary Artery Disease
cap(s)	Capsule(s)
CAP	Community Acquire Pneumonia
CAPD	Continuous Ambulatory Peritoneal Dialysis
CARB	Carbonate
CAT	Computerized axial tomography
cath.	Catheter
CB	Carbenicillin
CBC	Complete blood count
cbd	Cord blood drawn
CBD	Common bile duct
CBF	Cerebral blood flow
CBG	Capillary blood gas
CBI	Continuous bladder irrigation
CBIL	Conjugated (direct) bilirubin
CBS	Chronic Brain Syndrome
C	Clear
CC	Chief Complaint
CCBV	Central circulating blood volume
CCC	Cathodal closing contraction
CCI	Chronic coronary insufficiency
CCMS	Clean Catch Mid Stream
CCPD	Continuous Cyclic Peritoneal Dialysis
CCR	Counter clockwise rotation
CCU	Coronary Care Unit
CD	Chemical dependency
cd	Continuous drainage
CDC	Center for Disease Control
CDC	Calculated date of confinement
CDB	Cough, deep breathe
CE	Cardiac enlargement
CEA	Carcinoembryonic
ceph. flocc.	Cephalin flocculation test
cf	Compare
CFT	Complement fixation test
CG	Contact guard
c. gl.	With correction (with glasses)
CHB	Complete Heart Block
CHF	Congestive Heart Failure
CHG	Charge
chol.	Cholesterol
chol. est.	Cholesterol esters
CI	Cardiac index
CID	Cytomegalic inclusion disease
CK	Creatinine kinase
CL	Chloride
CL. LIQ.	Clear liquids
cldy	Cloudy
CLL	Chronic lymphocytic leukemia

c.m.	Tomorrow morning
cm	Centimeter
CMG	cystometrogram
CMP	Complete Metabolic Profile
CMR	Cerebral metabolic rate
c.n.	Tomorrow night
CNA	Colistin nalidixic acid apgar
CNOR	Certified nurse of operating room
CNS	Central nervous system
CO2	Carbon Dioxide
co	Without
C.O.	Cardiac output
c/o	Complains of
COC	Cathodal opening contraction
COD	Cause of death
COH	Carbohydrate
COLS	Colonies
comp	Compound
CONC.	Concentration
COND	Condition
cond. ref.	Condition reflex
cond. resp.	Condition Respiration
Const	Constant
CONSULT	Consultation
Cont.	Continued
COPD	Chronic Obstructive Pulmonary Disease
COR	Heart
CP	Cerebral palsy
c/p	Chest pain
CPAP	Continuous positive airway pressure
CPD	Cephalopelvic disproportion
CPK	Creatinine phosphokinase
CPM	Count per minute
CPM	Continuous passive motion
CPP	Chronic pelvic pain
CPP	Cerebral perfusion pressure
CPR	Cardio-pulmonary resuscitation
CPT	Chest Physical Therapy
CR	Cardio-respiratory
CR40	Cryoprecipitate
CRF	Chronic renal failure
CRP	C-reactive protein
CRPA	C-reactive protein antiserum
CRT	Creatinine
C&S	Culture and sensitivity
Cs137	Radiocesium
CSAI	Condition Similar to Alcohol Intoxication
CSF	Cerebrospinal fluid
CSR	Coronary sinus rhythm
CSS	Central sterile supply
ct	Counter clockwise
Ctr	Center
cu.	cubic
cult.	Culture

CV	Cardiovascular
CVA	Cardiovascular accident
cva	Costovertebral angle
CVD	Cardiovascular disease
CVP	Central venous pressure
CVR	Control ventricular response
CVRU	Cardiovascular Recovery Unit
CVS	Cardiovascular system
c/w	Compatible with
CWP	Childbirth without pain
cx	cervix
CXR	Chest x-ray
cyl.	Cylindrical lens
Cysto	Cystoscopic examination

- D -

d	Day
D	Right
D.	First dorsal vertebra
DASA	Development Age Stated Approximately
DBIL	Direct (conjugated) bilirubin
D.C.	Direct Coombs
DC	Dynamic Compliance
DC	Discharge
DC	Discontinue
D/C	Discontinue
D&C	Dilatation & Curettage
DDD	Degenerative disc disease
D&E	Dilatation & Evacuation
DE	Digitalis effect
Decr.	Diminished or decreased
decub	Lying down
DE	Digitalis effect
Derm	Dermatology
DES	Diethylstilbestrol
DFV	Deep femoral Vein
DH	Dermatitis herpetiformis
DH20	Distilled water
DHEA	Dehydroepiandrosterone
DIG	Digitalis-Digoxin level
DI	Diabetes Insipidus
DIC	Disseminated intravascular coagulation
diff	Differential
dil	Dilute
DIP	Distal interphalanges
DIS	Discharge
Disp	Dispense
div	Divide
DJD	Degenerative Joint Disease
DKA	Diabetic Ketoacidosis
DL	deciliter
DLE	Disseminated Lupus Erythematosus

DM	Diabetes Mellitus
D.M.I.	Diaphragmatic myocardial infarction
D/N	Day night rotation
DNA	Deoxyribonucleic acid
DNI	Do Not Intubate
DNR	Do not resuscitate
DOA	Dead on Arrival
DOB	Date of Birth
DOE	Dyspnea on exertion
DPT	Diphtheria-pertussis-tetanus
dr	Dram
Dr.	Doctor
DRG	Diagnosis related group
DRSG	Dressing
DS	Dead air space
D/S	Dextrose in Saline
DSD	Dry, sterile dressing
DST	Dexamethasone suppression test
DTR	Deep tendon reflex
DT's	Delirium tremens
DTPA	Bone agent
DUB	Dysfunctional Uterine Bleeding
DVT	Deep vein thrombosis
D/W	Dextrose in water
DX	Diagnosis

- E -

E.	Enema
E	Energy in ergs
EBL	Estimate blood loss
EBV	Epstein Barr Virus
ECA	External carotid artery
ECF	Extracellular fluid
ECF	Extended care facility
ECG (EKG)	Electrocardiogram
echo	Echogram
ECHO virus	Enteric Cytopathogenic human organ (virus)
E. coli	Escherichia coli; entamoeba coli
ECT	Electroconvulsive therapy
Ed	Educate, education
ED&C	Electrodissection & curettage
EDC	Estimated date of confinement
EDTA	Ethylenediamine tetraacetic acid
EDV	End-diastolic volume
EEG	Electroencephalogram
EENT	Eyes, ears, nose and throat
EF	Ejection Fraction
EFM	External Fetal Monitor
e.g.	For example
EGA	Estimated gestational age
EGD	Esophagogastroduodenoscopy
e.i.	That is

E.J.	External Jugular
EKG	Electrocardiogram
elec	electric
Elec	electrophoresis
ELF	Elective low forceps
elix	Elixir
Em	Emmetropia
EMF	Electromotive force
EMG	Electromyography
EMS	Emergency Medical Service
Endo	Endoscopy
ENT	Ears, nose and throat
Env	Environment
ENZ	Enzyme
EOM	Extraocular movements
eos	eosinophilia
EPAP	Expiratory Positive Airway Pressure
epith	epithelium
eq	Equivalent
ER	Emergency Room
ER	Early repolarization
e.r.	External rotation
ERC	Endoscopic Retrograde Cholangiography
ERCP	Endoscopic Retrograde Cholangi-Pancreatography
ERP	Endoscopic Retrograde Pancreatography
ESR	Erythrocyte sedimentation rate
ESRD	End Stage Renal Disease
ESWL	Extracorporeal Shockwave Lithotripsy
et.	And
E-T	Endotracheal
ETOH	Alcohol
ETT	Endotracheal tube
EUA	Exam under anesthesia
ev.	1 electron volt
eve	evenings
ex	Exercise
EXC	Excision
exp	Expired/expiration
Expir.	Expiration
ext	Extremity (ies)
ext	extract
ext fl	Extract fluid

- F -

f	Frequency
F	Fahrenheit
FANA	Florescent antinuclear antibody
FB	Foreign body
FBS	Fasting Blood Sugar
Fby	Flowby
fe	Iron
FEF	Forced expiratory flow

fem	Femoral
FEP	Free erythrocyte site protoporphrin
FET	Forced expiratory time
Fetal Position and Presentation:	
LOA	Left occiput anterior
LOT	Left occiput transverse
LOP	Left occiput posterior
ROA	Right occiput anterior
ROT	Right occiput transverse
ROP	Right occiput posterior
LSA (RSA)	Left sacrum anterior
LST (RST)	Left sacrum transverse
LSP (RSP)	Left sacrum posterior
LFA (RFA)	Left frontoanterior
LFT (RFT)	Left frontotransverse
LFP (RFP)	Left frontoposterior
LMA (RMA)	Left mentoanterior
LMT (RMT)	Left mentotransverse
LMP (RMP)	Left mentoposterior
FEV ₁	Forced expiratory volume
FFP	Fresh frozen plasma
FFS	Flexible Fiberoptic Sigmoidoscopy
FH	Family history
FHS	Fetal heart sound
FIO ₂	Fraction inspired oxygen
fl	Fluid
fl oz	Fluid ounces
fl dr	Fluid dram
flex	Flexion
FR	Frothy
FRJM	Full range of joint movement
F.S.	Fingerstick
FS	Frozen Section
FSBS	Fingerstick Blood Sugar
FSH	Follicle stimulating hormone
ft	Feet
FTND	Full term normal delivery
FTSD	Full term spontaneous delivery
f/u	Follow-up
FUB	Functional Uterine Bleeding
FUO	Fever of unknown origin
Funct	Function, functional, functioning
FVC	Forced vital capacity
FWB	Full weight bearing
fx	Fracture
- G -	
g	Gram
G	Gravida, gravid (number of pregnancies)
GA	Gestational age; general anesthesia

GB	Gallbladder
G.B.S.	Gallbladder series
GCS	Glasgow Coma Scale
GC	Gonorrhea
GFL	Giant follicular lymphoma
GFR	Glomerular filtration rate
GI	Gastrointestinal
Gluc.	Glucose
GM	Geiger Muller
Gm.	Gram
GMH	Greenville Memorial Hospital
GOT	Glutamic oxaloactive transaminase
GPT	Glutamic pyruvic transaminase
gr.	Grain
Grav. 1	primigravida
GS	Gluteal sets
GSW	Gunshot wound
GTR	Gait training
G.T.	Gastrostomy tube
GTT	Gait training (ambulation)
GTT	Glucose Tolerance Test
gtt (s)	Drop (s)
GU	Genitourinary
Gyn	Gynecology

- H -

h (hr)	hour
H.	Hypodermic
HA	Headache
H.A.A.	Hepatitis associated antigen
HAC	Acetic acid
HBO	Hyperbaric Oxygen Therapy
HbsAg	Hepatitis B surface antigen
HCG	Gonadotropin (pregnancy test)
HCS	Human chorionic somatomammotropin
hct, HCT	Hematocrit
HCVD	Hypertensive Cardiovascular Disease
HD	Hemodialysis
HDL	High density lipoprotein
He	Helium- Hektoen agar
HEENT	Head,, ears, eye, nose & throat
Hemo	hemolyzed
Hg	Mercury
Hgb	Hemoglobin
HH	Hiatus hernia
H&H	Hemoglobin and Hematocrit
HHN	Hand held nebulizer
HHNEB	Hand held nebulizer
HIV	Human Immuno-Deficiency Virus
HM	Hand motion
HMD	Hyaline membrane disease
HME	Heat-Moisture Exchanger

HNP	Herniated Nucleus Pulposus
H O	Hydrogen peroxide
HOB	Head of Bed
hp	Hot pack
H&P	History and Physical
HPI	History of present illness
HR	Heart Rate
HS	At Bedtime
hs	Hour of sleep
Ht.	height
HTN	Hypertension
HTLV-III	Human T-cell lymphotropic virus - III
HV	Hyperventilation
HVD	Hypertensive Vascular Disease
Hx	History

- I -

i	One
I	Iodine
I	Independent
IA	Intra-Arterial
IABP	Intra-Aortic Balloon Pump
IADHS	Inappropriate Anti-Diuretic Hormone Syndrome
IASD	Interatrial septal defect
IBC	Iron binding capacity
ibl	Intermittent bladder irrigation
IC	Intermediate Care
ICCE	Intracapsular cataract extraction
ICDH	Isocitric dehydrogenase
ICF	Intracellular fluid
ICP	Intracranial pressure
ICSH	Interstitial cell stimulating hormone
ICTx	Intermittent cervical traction
ICU	Intensive Care Unit
id	The same
I&D	Incision and Drainage
IDDM	Insulin Dependent Diabetes Mellitus
IDM	Infant of Diabetic Mother
IEP	Immuno-electrophoresis
IF	Interstitial fluid
Ig	Immunoglobulin
IgA	Immunoglobulin A
IgE	Immunoglobulin E
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IHD	Ischemic Heart Disease
IHSA	Iodinated human serum albumin
IHSS	Idiopathic hypertrophic subaortic stenosis
IJP	Inhibitory junction potential
IM	Intramuscular
IMA	Internal Mammary Artery
IMF	Intermaxillary fixation

IMI	Inferior myocardial infarction
Immob	Immobile, immobility
imp	Impression
IMV	Intermittent Mandatory Ventilation
in	Inch
INA	Information not available
Inad	Inadequate
INR	Internationalize Normal ratio
incr.	Increasing or Increased
IND	Industrial
inf	Infusion
Inf	Infection- infarct
Ing	Inguinal
inhal	inhalation
inj	injection
Init	Initial, initiate
inspir	Inspiration or inspiratory
int	interval
Int	Intermittent needle therapy
INT ROT	Internal Rotation
inter	Interpretation
I & O	Intake and Output
IOP	Intraocular pressure
IP	Intraperitoneal- interphalangeal joint
IPAP	Inspiratory Positive Airway Pressure
IPD	Intermittent Peritoneal Dialysis
IPPB	Intermittent Positive Pressure Breathing
IQ	Intelligence quotient
IR	Internal rotation
IRBB/ ILBB	Incomplete right/left bundle branch block
Irrig	Irrigation
IRV	Inspiratory reserve volume
IS	Intercostal space- incentive spirometer
I.S.	Immediate spin
ISC	Intermittent self-catheterization
ISF	Interstitial fluid
ISO	Isoenzymes
isol	Isolation
IT	Intrathecal
ITP	Idiopathic Thrombocytic Purpura
IUD	Intrauterine device
IUFD	Intrauterine fetal demise
IUGR	Intrauterine growth retardation
IUP	Intrauterine pregnancy
IV	Intravenous
IVCD	Intraventricular Conduction Defect
IVP	Intravenous Pyelogram
IVPB	Intravenous Piggyback

- J -

JODM	Juvenile onset diabetes mellitus
jt	Joint

JVD Jugular Vein Distention

- K -

K+ Potassium
KCL Potassium chloride
Kg. Kilogram
KJ Knee jerk
KOH Potassium hydroxide
KUB Kidneys, Ureter, and Bladder
KV Kilovolt
KVO Keep Vein Open
Kw Kilowatt
KW Keith Wagner Retinopathy

- L -

L Left
L Liter
LA Left atrium
Lab Laboratory
lac Laceration
LAC Left Atrial Circumflex
LAD Left Anterior Descending Coronary Artery
LAFB Left Anterior Fascicular Block
LAH Left Anterior Hemiblock
LAE Left Atrial Enlargement
LAO Left Anterior Oblique
LAP Leucine aminopeptidase
Lap Laparotomy
lat. Lateral
LATS Long acting thyroid stimulating hormone
lb(s) Pound(s)
LBA Left Brachial Artery
LBBB Left Bundle Branch Block
LBOD Left border cardiac dullness
LBD Left border of dullness
LBP Low back pain
LBTS Laparoscopic bilateral tubal sterilization
LCA Left Coronary Artery
L-1, L-2, etc. Lumbar Vertebrae (one thru five)
LD Left deltoid
L&D Labor and Delivery
LDH Lactic dehydrogenase
LDL Low density lipoprotein
LE Lower extremity
LEP Lipoprotein electrophoresis
LFA Left Femoral Artery
liq (s) Liquid (s)
LG Left gluteus
LGA Large for gestational age
lge Large

LGH	Living and in good health
LGLS	Lown-Ganong-Levine syndrome
LGSIC	Low Grade Squamous intraepithelial Lesion
LGV	Lymphogranuloma venereum
LH	Luteinizing hormone
LHC	Left Heart Catheterization
LI	Left Iliac Crest
LIF	Left Iliac Fossa
Licm	Left intercostal margin
liq	Liquid
Liss	Low ionic strength solution
LLE	Left Lower Extremity
LLL (RLL)	Left Lower Lobe (right)
LLL volt	Low Limb Lead Voltage
LLT	Left Lateral Thigh
LLQ (RLQ)	Left Lower Quadrant (right)
LMP	Last Menstrual Period
Lmt	Limit, Limited
LKS	Liver, Kidneys and Spleen
LN	Lymph Node
LOA	Leave of Absence
LOC	Level of Consciousness
LOC	Laxative of Choice
Local with SB	Local with stand-by anesthesia
LOP	Left Occiput Posterior
LOS	Length of Stay
LP	Lumbar Puncture
LPH	Low Power Field
LPHB	Left Posterior Hemiblock
LPN	Licensed Practical Nurse
LR	Lactated Ringers
L/R	Lecithin/sphingomyelin Ratio
LPM	Liters per minute
LRA	Left Radial Artery
L&RHC	Left and Right Heart Catheterization
LS	Lumbosacral
LSB	Left Sternal Border
LSC	Lichen Simplex Chronicus
LSD	Low Salt Diet
LSI	Left Side Involvement
LSK	Liver, Spleen and Kidney
LT, It	Left Tricep
LTC	Long Term Care
Ltn	Lotion
LUE	Left Upper Extremity
LUL (RUL)	Left Upper Lobe (right)
LUQ (RUQ)	Left Upper Quadrant (right)
LV	Left Ventricle
LVED	Left Ventricular End-diastolic
Lv Volt	Left Ventricular Voltage
L&W	Living and Well
LVH	Left Ventricular Hypertrophy
LWCT	Lee-White Clotting Time
lymph	Lymphocytes

Lytes

Electrolytes

- M -

M	Murmur
M.	Meter
M1	Mitral First Sound
MAC	Monitored Anesthesia Care
mand	Mandible
MAT	Multifocal Atrial Tachycardia
ME	Mistaken Entry
MAE	Moves all extremities
MAP	Mean Arterial Pressure
MAT	Multifocal Atrial Tachycardia
MAO	Maximum Acid Output
MAOI	Monoamine Oxidase Inhibitor
max	Maximum
MBC	Maximum Breathing Capacity
MBS	Modified Barium Swallow
mc	1 millicurie (10,000 microcuries)
mcg	Micrograms
MCH	Mean Corpuscular Hemoglobin
MCHC	Mean Corpuscular Hemoglobin Concentration
mCi	Millicurie
MCL	Mid Clavicular Line
MCP	Metacarpophlangeal
MCV	Mean Corpuscular Volume
MD	Mitral Disease
MDI	Metered Dose Inhaler
Med	Medicine, medicated
Mem	Memory
mEq	Milliequivalents
meta	Metamyelocyte
mev	1 million electron volts
MF	Mixed Field
MFT	Muscle Function Test
mg.	Milligram
mg%	Milligram per hundred milliliters of serum blood
Mg	Magnesium
MI	Myocardial Infarction
MIC	Minimum Inhibitory Concentration
Min, min	Minimum, minute
Mins Atsig	Mixed Astigmatism
MIP	Metacarpo-interphalanges
MK	Mask
ml.	Milliliter
mlu	Milli-international Unit
mixt	Mixture
mm.	Millimeter
mM	Milli-molecular weight
MM	Multiple Myeloma
mm ³	1 cubic centimeter
Mmol	Millimole
MMPI	Minnesota Multiphasic Personality Inventory

MMT	Manual Muscle Test(ing)
MMR	Mumps, Measles, German Measles Vaccine
MN, mn	Midnight
Mod	Moderate
MODY	Mature Onset Diabetes of the Youth
MOM	Milk of Magnesia
mono	Monocyte
Mos.	Months
mOsm	Milliosmol
MP	Mouthpiece
MPC	Maximum Permissible Concentration
MP joint	Metacarpal Joint
MPL	Maximum Permissible Level
MRI	Magnetic Resonance Imaging
MRSA	Methicillin Resistant Staph Aureus
MS	Multiple Sclerosis
ms	Mitral stenosis
MSL	Mid-sternal Line
MSOF	Multi-system Organ Failure
MSR	Marginal Sinus Rupture
MT	Medical Technologist
MTP	Metatarsal Phalangeal
MUCO	Mucomyst
MUSC	Medical University of South Carolina
MV	Mitral Valve
MVP	Mitral Valve Prolapse
myelo	Myelocyte
myop	Myopia
MVA	Motor Vehicle Accident
MVR	Mitral Valve Replacement

- N -

N	Normal, nitrogen
Na	Sodium
NASH	Nonalcoholic Steatohepatitis
N/A, NA	Not applicable, Not assessed
NaCl	Sodium Chloride
NAD	Non-diagnostic Abnormality
NAOH	Sodium Hydroxide
NB	Newborn
N.B.	Note well
NC	Nasal Cannula
N/C	Neuro check
NCP	Nursing Care Plan
NDT	Neuro Developmental Treatment
neg	Negative
Neuro	Neurology
NF	National Formulary
NG	Naso-Gastric
NGT	Nasogastric Tube
NH	Ammonia
NIDDM	Non-Insulin Dependent Diabetes Mellitus

NIL	Not In Labor
NK	Not Known
NKA	No Known Allergies
NKDA	No Known Drug Allergies
NI, NL	Normal
NLP	No Light Perception
NM	Nuclear Medicine
NMBA	Neuromuscular Blocking Agents
NMP	Nurse May Pronounce
no., #	Number
noct. (noxt.)	Nocturnal
non prod	Nonproductive
non rep	Do not repeat
NP	nonpalpable
NPB	Nodal Premature Beat
npc	Non-productive cough
NPH	Neutral Protamine Hagedorn (insulin)
NPN	Nonprotein Nitrogen
NPO	Nothing by Mouth
NR	Non-reactive
NRBC	Nucleated Red Blood Cells
NSA	No Significant Abnormality
NSAID	Non-steroidal Anti-inflammatory Drugs
N/S, NS	Normal Saline
NSC	No Significant Change
Nsg	Nursing
NSR	Normal Sinus Rhythm
NSS	Normal Saline Solution
NSST-TC	Nonspecific T-wave changes
NSSTC	Nonspecific ST changes
NSTWC	Nonspecific T-wave changes
NT	Nasotracheal
NTG, (ntg)	Nitroglycerin
NTT	Nasotracheal Tube
Nuchal Cord	Wrapped around infant's neck
nunc.	Now
N & V	Nausea and Vomiting
NV	Neurovascular
NVC	Neurovascular Checks
NVD	Neck vein distention
NWB	Non-weight Bearing

- O -

O	Orally, Oral
O ₂ cap.	Oxygen capacity
O ₂ sat.	Oxygen saturation
obst	Obstruction
od	Overdose
OAG	Open Angle Glaucoma
OAP	Ophthalmic Artery Pressure
OBS, obs, Obs	Obstetrics, Observation
occ	Occasional
Occ. Ther.	Occupational Therapy

OCG	Oral Cholecystogram
OFC	Occipitofrontal Circumference
OG	Orogastric
OHD	Organic Heart Disease
OHS	Open Heart Surgery
oint	Ointment
OJ	Orange Juice
Olf	Olfactory
OM	Otitis Media
omn. h. (q h)	Every hour
omn. noct (q n)	Every night
OOB	Out of Bed
OOL	Onset of Labor
Op	Operation, Operative
O&P	Ova and Parasites
OPD	Outpatient Department
Oph	Ophthalmology
OPS	Out patient Surgery
OPV	Oral Polio Vaccine
OR	Operating Room
Oral	Given by Mouth
ORIF	Open Reduction, Internal Fixation
Ortho	Orthopedics
os	Mouth
OS	Left Eye
OT	Occupational Therapy
Oto	Otology
OU	Both eyes
OVT	Occlusive Vascular Disease
oz.	Ounce

- P -

p	After
P	Pulse
P*	Portable
P-A	Posteroanterior
PA	Pulmonary Artery, Physician's Assistant, posteroanterior
Pa O ₂	Partial pressure of oxygen in arterial blood
PAC	Premature Atrial contraction (s)
Pa CO ₂	Partial pressure of carbon dioxide in arterial blood
PACU	Post Anesthesia Care Unit
PAD	Pulmonary artery diastolic pressure
PAH	Para-aminohippurate acid
PAP, pap	Papanicolaou, Pap test
PAR	Post Anesthesia Recovery
Para	Number of Living Children
PAS	Pulmonary artery systolic pressure, peripheral anterior synechial
PAT	Paroxysmal Atrial Tachycardia
P.A.T.	Preadmission Testing
Path	Pathology
PB	Lead
PBI	Protein Bound Iodine

Pblm	Problem
PBI 131	Protein Bound Radioiodine
pc	After meals
PC	Pressure Control, Packed Cells
PCA	Patient Controlled Analgesia
P. Cath	Porta Cath.
PCN	Penicillin
pcv	Pressure Control Ventilation
PCV	Packed Cell Volume, Polycythemia vera
PCWP	Pulmonary Capillary Wedge Pressure
PCXR	Portable Chest Xray
PD	Postural Drainage, Per Day
PDA	Patent Ductus Arteriosus
PE	Pulmonary Emboli, Embolism
PEARL	Pupils Equal and Reactive to Light
Peds	Pediatrics
PEEP	Positive End Expiratory Pressure
PEF	Peak Expiratory Flow
PEG	Percutaneous Endoscopic Gastrostomy
PERLA	Pupils Equal and Reactive to Light and Accommodation
PERRLA	Pupils Equal, Round, React to Light and Accommodation
per	By, through, by method of administration
PERI	Perineal
PERL	Pupils equal and react to light
pes	Foot
PF	Peak Flow
PFT	Pulmonary Function Test
PH	Past History
pH	Hydrogen Ion Concentration
Ph	Philadelphia Chromosome
PharmD	Doctor of Pharmacy (Pharmacist)
PHN	Public Health Nurse
PHONO	Phonocardiograph
PHP	Partial Hospitalization Program
PI	Personal Injury
PID	Pelvic Inflammatory Disease
PIP joint	Proximal Interphalangeal Joint
PJC	Premature Junctional Contractions
PKU	Phenylketonuria
PLA	Previous Living Arrangements
plat	Platelets
PM, pm	After Noon
PMD	Primary Myocardial Disease
PMH	Past Medical History
PMI	Point of Maximal Impulse, Past Medical Illnesses
PMR	Physical Medicine and Rehabilitation
PMS	Premenstrual Syndrome
PMV	Passymuir Valve
PNB	Premature Newborn
PNC	Premature Nodal Contraction
PND	Paroxysmal Nocturnal Dyspnea
PNF	Proprioceptive neuromuscular facilitation
PNI	Peripheral Nerve Injury
PNOE	Pentothal, Nitrous oxide, Oxygen and Ethrane

PNPR	Positive, negative pressure respiration
PNS	Peripheral Nerve Stimulator, peripheral nervous system
Pnx	Pneumothorax
PO	By mouth
PO2	Partial Pressure of Oxygen
Po4	Phosphate
POC	Products of Conception
POD	Postoperative Day
Poil	Poikilocyte
POOL	Premature Onset of Labor
Poplit	Popliteal
Post Op, postop	After Operation
Port.	Portable
PP	Peak Pressure, Post-partum, Postprandial
PP&A	Palpation, Percussion and Auscultation
PPA pos.	Prenylpyruvic Acid Positive
PPBS	Post Prandial Blood Sugar
PPD	Purified Protein Derivative
P&PD	Percussion and Postural Drainage
PPT	Precipitate
p.r.	Per rectum
PR	Per rectum
PRBC's	Packed red blood cells
PRE	Progressive Resistive Exercises
Prep	Make ready for
Pre op	Before Surgery
Press	Pressure
prn	As often as necessary
PRN	As often as necessary
Prob	Probably
Prod	Productive
PROM	Premature Rupture of Membranes
P.R.O.M.	Passive Range of Motion
Pro time	Prothrombin Time
PRV	Polycythemia rubra vera
PS	Physical Status
PSC	Posterior Subcapsular Cataract
PSP	Phenolsulfonaphthalein
PSV	Pressure Support Ventilation
PSVT	Paroxysmal Supraventricular Tachycardia
Pt	Patient
pt	Pint
PT	Prothrombin Time
p.t.	Post trandial
P.T.	Physical Therapy
PTA	Prior to Admission
PTC	Plasma Thromboplastic Component
PTCA	Percutaneous Transluminal coronary Angioplasty
PTH	Parathyroid Hormone
PTT	Partial Thromboplastin Time
PUD	Peptic Ulcer Disease
pulv.	Powder
PV	Polycythemia Vera
PVC	Premature Ventricular Disease

PVD	Peripheral Vascular Disease
PVR	Pulmonary Vascular Resistance
PWAP	Pulmonary Wedge Arterial Pressure
PWP	Pulmonary Wedge Pressure
Px	Physical Examination
PWB	Partial Weight Bearing

- Q -

q	Every
qd	Every day
QD	Every day
qh	Every hour
q1h, q2h, etc.	Every (specified number) hour
Q1h, Q2h, etc.	Every (specified number) hour
qid	Four times a day
QID	Four times a day
qn	Every Night
qhs	At bedtime (hour of sleep)
qns	Quantity not sufficient
qod	Every other day
QOD	Every other day
qs	Quantity sufficient, enough
QS	Quadriceps Sets
qt	Quart
quad.	Quadrant
qual	Qualitative; quality
quant	Quantitative; quantity
qv	As Much as You Wish
qw	Q-wave

- R -

R	Right, rectal, Respirations
RA	Rales, Right atrium, Rheumatoid Arthritis
RAD	Right Axis Deviation
rad	Radiation absorbed dose, 100 ergs/gm tissue
RAE	Right Atrial Enlargement
RAI	Radioactive Iodine Uptake
RAIU	Radioactive Iodine Uptake
RAP	Right Atrial Pressure
R&B	Risks and Benefits
RB	Read Back
RBA	Right Brachial Artery
RBBB	Right Bundle Branch Block
RBC	Red Blood Cells, Red Blood Cell Count
RBD	Right Border Of Dullness
RC	Restorative Care
RCA	Right Coronary Artery
RCS	Reticulum Cell Sarcoma
RD	Right Deltoid, Respiratory Disease
RD	Registered Dietician

RDS	Respiratory Distress Syndrome
re	Concerning, About
reg	Regular
REG	Radiation Exposure Guide
rem	Roentgen Equivalent, man
rep	Let it be repeated; roentgen equivalent physical
Resp	Respiration
RER	Renal Excretion Rate
ret cath	Retention Catheter
Retic	Reticulocyte
RF	Rheumatoid Factor
RFA	Right Femoral Artery
RFB	Renal Blood Floor
RG	Right Gluteus
RH	Rhonchi
Rh (+ or -)	Rhesus factor, positive or negative
RHC	Right Heart Catheterization
RHD	Rheumatic Heart Disease
RHF	Right Heart Failure
RIA	Radioimmunoassay
RIC	Right Iliac Crest
RID	Radioimmunodiffusion
RIF	Right Iliac Fossa
RISA	Radioiodine Human Serum Albumin
RL	Right Lower
RLE	Right Lower Extremity
RLT	Right Lateral Thigh
RLQ	Right Lower Quadrant
Rm	Room
RM	Respiratory Movement
RML	Right Middle Lobe; Right Mediobasilar
RN	Registered Nurse
RNa	Radiosodium Right Occiput Anterior
r/o	Rule out
ROM	Range of Motion
ROP	Right Occiput Posterior
ROS	Review of Systems
Rout	Routine
RPCF	Reiter Protein Complement Fixation
RPGN	Rapidly Progressive Glomerulonephritis
RPh	Registered Pharmacist
RPM	Revolutions Per Minute
RPT	Registered Physical Therapist
RR1	RR Prime
RRA	Right Radial Artery; Radioreceptor Assay
RRE	Round, regular and equal
RPR	Rapid Plasma Reagin
RRR	Regular rate and rhythm
R/S	Rhythm Strip
RSR	Regular Sinus Rhythm
RSR1	RSR Prime
RT	Respiratory Therapy; Right Tricep
Rt	Right
RTC	Return to Clinic

RUE	Right Upper Extremity
RUOQ	Right Upper Outer Quadrant
RUQ	Right Upper Quadrant
RV	Right Ventricle
RVH	Right Ventricular Hypertrophy
RVR	Rapid Ventricular Response
RX, Rx	Treatment; Therapy; Prescription

- S -

s	without
S	Heart sound (closure of mitral and tricuspid valves)
S	Heart sound (closure of aortic and pulmonic valves)
S, S	Additional heart sounds
S-1, S-2, etc.	Sacral vertebrae (one thru five)
SA	Sinoatrial
S&A	Sugar and Acetone
S _a O ₂	Measured Oxygen Saturation
SAC	Short Arm Cast
SACH	Solid Ankle Cushion Heel
SAH	Subarachnoid hemorrhage or hematoma
Sal	Saline
Salic	Salicylate (aspirin)
SAN	Sinoatrial Node
sat.,	Saturation
Sat, Satis	Satisfaction
SBGM	Self-Blood Glucose Monitoring
SB	Standby; Sinus Bradycardia
SBP	Systolic Blood Pressure
sc	Subcutaneous; screen
SC	Subcutaneous
SC	Static Compliance
SCCA	Semiclosed Circle Absorption
SD	Standard Deviation
SDH	Subdural Hematoma
sec	Second; Secretion
Sed	Sedimentation
seg	Segmented Neutrophils
SEI	Subendocardial Infarction
SG	Slide Guide
SGA	Small for Gestational Age
SGOT	Serum Glutamic Oxaloacetic Transaminase
SGPT	Serum Glutamic Pyruvic Transaminase
SH	Social History
SI	Sacroiliac; Saturation Index
SIADH	Syndrome Inappropriate Anti-Diuretic Hormone
sig.	Let it be labeled
SIMV	Synchronized Intermittent Mandatory Ventilation
sit	Situation or situated
SIW	Self-inflicted wound
sl	Slightly, slight
SL	Sublingual
SLB	Short leg brace

SLC	Short leg cast
SLD	Serum Lactic Acid Dehydrogenase
SLE	Systemic Lupus Erythematosus
SLR	Straight Leg Raise
SLS	Single Leg Stance
SLT	Since Last Tracing
sm	Small
SMA	Sequential Multiple Analysis
SMCD	Senile Macular Chorioretinal
SMI	Sustained Maximum Inhalation (Incentive Spirometer)
SMO2	Simple Mask Oxygen
SMR	Submucous Resection
SNF	Skilled Nursing Facility
SO	Significant other
SOAP	Subjective, Objective, Assessment and Plan
SOB	Shortness of Breath
sol	Solution
sp, spt	Sputum
SP	Spontaneous
S/P	Status post
Spec	Specimen
sp.gv.	Specific gravity
SpO ₂	Saturation Pulse Oximetry
spont	Spontaneous
SPT	Since Previous Tracing
spt.	Spirits
Sq, subq, subc	Subcutaneous
SQ	Subcutaneous
SR	Systems Review; Sinus Rhythm
SROM	Self Range of Motion
ss	One half (1/2)
S/S	Signs and symptoms
SSE	Soap Suds Enema
SS&G	Soap suds and glycerin enema
SSI	Sliding Scale Insulin
SSKI	Saturated Solution of Potassium Iodine
ST	Sinus tach
St-T	ST segment of EKG
Staph	Staphylococcus
stat, STAT	Immediately
STD	Sexually Transmitted Diseases
std	Standard
stereo	Stereogram
Strep	Streptococcus
Stillb.	Stillborn
stg	Strong
STS	Serology Tests for Syphilis
STSG	Split Thickness Skin Graft
sl	Sublingual
subling	Sublingual
SUI	Stress Urinary Incontinence
SUP	Symptomatic Uterine Prolapse
supp.	Suppository
Surg, surg	Surgery, surgical

SVC	Superior Vena Cava
SVR	Systemic Vascular Resistance
SVT	Supraventricular Tachycardia
sx., sympt	Signs, symptoms
syr	Syrup

- T -

T	Temperature
T&A	Tonsillectomy and Adenoidectomy
T-1, T-2, etc.	Thoracic vertebrae (one thru twelve)
T3	Triiodothyronine
tab	Tablet
TAH	Total Abdominal Hysterectomy
TAT	Turn around time; Thematic Apperception Test
Tbc, TB	Tuberculosis/Tubercle Bacilli
Tbsp. Tbls	Tablespoon
T-bil	Total bilirubin
TC	Technetium
T&C	Type and Crossmatch
TCDB	Turn, Cough, and Deep Breath
TCI	Transient Cerebral Ischemia
TCO ₂	Transcutaneous O saturation
TDWB	Touch Down Weight Bearing
TE	Tenacious
temp	Temperature
TENS	Transthoracic nerve stimulator
TET, Td	Tetanus Toxoid
TF	Tactile Fremitus
TH	Thick
T&H	Type and Hold
Thio	Thioglycolate
THR	Total Hip Replacement
Thr	Throat
TIBC	Total Iron Binding Capacity
tid	Three times a day
TID	Three times a day
Tinct.	Tincture
TKA	Total Knee Arthroplasty
T-L-C	Triple Lumen Catheter
TLC	Tender, loving care
TLNB	Term Living Newborn
T & M	Type and cross-match
TM	Treatment Modality; Tympanic Membrane; Thayer-Martin agar
TMJ	Temporomandibular joint
tn	Tension
TN	Thin
TNTC	Too numerous to count
TO, T.O.	Telephone Order
tol	Tolerated; tolerated
TOMO	Tomogram
TP	Total Protein
TPA	Tissue Plasminogen Activator

TPI	Treponema Pallidum Immobilization Test
TPN	Total Parenteral Nutrition
TPR	Temperature, pulse, and respiration
TPT	Technically poor tracing
Tr.	Tincture; trace
Trach	Tracheostomy
Trich	Trichomonas
TSH	Thyroid Stimulating Hormone
tsp	Teaspoon
TT	Tilt Table
TTH	Thyrotropic Hormone
TUR	Transurethral Resection
TURB	Transurethral Resection of the Bladder
TURP	Transurethral Resection of Prostrate
TV	Tidal Volume
TVH	Total Vaginal Hysterectomy
TVU	Total Volume Urine
TX	Treatment
TXM	Type and Cross match

- U -

UA, U/A	Urinalysis
UCG	Urinary Chorionic Gonadotropin
UCHD	Usual Childhood Diseases
UCMC	Upstate Carolina Medical Center
UE	Upper Extremity
UGI	Upper GI (gastrointestinal)
undet.	Undetermined
ung	Ointment
UOP	Urinary Output
UPT	Uptake
URI	Upper Respiratory Infection
Uro	Urology
US	Ultrasound
U.S.	Unit Secretary
USD	The Dispensary of the United States of America
USP	United States Pharmacopeia
UT	Urinary Tract
UTI	Urinary Tract Infection
UV	Ultraviolet
Uw	U-wave

- V -

VA	Veteran's Administration
VAD	Ventricular Assist Device
Vag	Vaginal; vagina
Vapo	Vaponefrin
VC	Vital Capacity
Vcg	Vector
VD	Venereal Disease

vd; vding	Void; Voiding
V DG	Venereal Disease Gonorrhoea
VDH	Valvular Disease of Heart
VDRL	Venereal Disease Research Laboratory
VF	Ventricular Fibrillation
VE	Minute ventilation
Vector	Vectorcardiogram
Veni	Venipuncture
Vent	Ventilator; ventilation
VF	Vocal Fremitus
VG	Ventricular Gallop
VI	Volume Index
VIP	Vasoactive Intestinal Polypeptide
Vis	Vision, Visual
Vit/Vita	Vitamin, when followed by a specific letter, ie, Vit A
vix	Namely
Vm	Minute ventilation
VMA	Vanillylmandelic acid
VO	Verbal Order
Vol	Volume
vol%	Volume percent
VP	Venous Pressure
VR	Ventricular Response
VRE	Vancomycin Resistant Enterococcus
VS	Vital Signs
vs	Versus
VSD	Ventricular Septal Defect
V. tach, VT	Ventricular Tachycardia

- W -

w/	With
W	Weight; Wheeze (WHEEZE)
wa, WA, w/a	While awake
WAIS	Wechsler's Adult Intelligence Scale
WAP	Wandering Atrial Pacemaker
WB	Whole Blood; Weight Bearing
WBC	White Blood Cells
WC	With meals
w/c	Wheelchair
WD&N	Well developed and nourished
w/f	White female
Whp; WP	Whirlpool
w/m	White male
WN	Well nourished
WND	Wound
wnl; WNL	Within normal limits
WPW	Wolfe-Parkinson-White Syndrome
WR	Weakly reactive
Wt; wt	Weight
WTH	Wallace Thomson Hospital

- XYZ -

y/o Years old
Z Symbol of atomic number

TITLES

AT Activity Therapy
AT Assist Activity Therapy Assistant
CNM Certified Nurse Midwife
CNS/CS Clinical Nurse Specialist
CRNA Certified Registered Nurse Anesthetist
CRTT Certified Respiratory Therapy Technician
C.U.E. Clinical Unit Educator
DO Doctor of Osteopathy
GN Graduate Nurse
HMS Health Management Specialist
LPN Licensed Practical Nurse
MD Doctor of Medicine
NM Nurse Manager
PA Physician's Assistant
PCA Patient Care Assistant
PCT Patient Care Technician
RCP Respiratory Care Practitioner
PharmD Doctor of Pharmacy (Pharmacist)
RD Registered Dietitian
RN Registered Professional Nurse
RPh Registered Pharmacist
RRT Registered Respiratory Therapist
RT Recreation Therapist
RST Respiratory Student Trainee

SYMBOLS

° Degree
- Negative
+ Positive
> Is Greater Than
< Is Less Than

Dram
Ounce

Ss One half
iss One and One half
i, ii, iii, etc. One, two, three, etc.
♂ Male

♀	Female
@	At
↑	Increase
↓	Decrease
=	Equal (s)
≠	Unequal
■	therefore
a	Before
▲	Change
1/2 stg	Half strength
⌠	With
p	After or Following
r	Rectal
⌡	Without
1°	Primary
2°	Secondary
□□	Of each
Heart Shape	Heart
■	Psychiatry/Psychiatric

ORIGINATED: 11/01/95
REVIEWED: 12/96
REVISED: 02/99
REVIEWED: 08/99
REVISED: 06/26/2000, 08/18/2000, 07/08/2002, 8/21/2002, 2/27/2003,
6/11/2003