Abbreviations and Acronyms

A
ABC: airway, breathing, circulation
ABCA: America, Britain, Canada, Australia
Abd: abdomen
ABD: autologous blood donation
ABG: arterial blood gas
A/C: assist/control
AC: hydrogen cyanide
ACE: angiotensin-converting enzyme
ACLS: Advanced Cardiac Life Support
ACS: abdominal compartment syndrome
ADH: antidiuretic hormone
ADMIN: administrative personnel
AE: aeromedical evacuation
AELT: Aeromedical Evacuation Liaison Team
AF: US Air Force
AFB: Air Force Base
AFI: Air Force Instruction
AFJI: Air Force Joint Instruction
AFP: Department of the Air Force pamphlet
AFRICOM: Africa Command
AIR EVAC: air evacuation
ALI: acute lung injury
amps: ampules
AMS: acute mountain sickness
AOR: area of responsibility
AP: anteroposterior
aPLTs: apheresis platelets
AR: Army Regulation
ARDS: acute respiratory distress syndrome
ARDSNet: Acute Respiratory Distress Syndrome Network
ARF: acute renal failure
ARG: Amphibious Ready Group
ASAP: as soon as possible
ASF: Aeromedical Staging Facility
ATLS: Advanced Trauma Life Support
ATN: acute tubular necrosis
ATNAA: Antidote Treatment Nerve Agent Autoinjector
Emergency War Surgery

B
BICEPS: Brief-Immediate-Central-Expectant-Proximal-Simple
bid/BID: twice a day
B.I.G.: Bone Injection Gun
BL: bladder
BP: blood pressure
bpm: beats per minute; breaths per minute
BSD: blood support detachment
BUN: blood urea nitrogen
BURP: Backward Upward Rightward Pressure
BW: biological warfare
BZ: benzodiazepine; 3-quinuclidinyl benzilate

C
Cal: caliber
CAR: cabin altitude restriction
CASEVAC: casualty evacuation
Cath: catheter
CBF: cerebral blood flow
CCATT: Critical Care Air Transportation (or Transport) Team
CENTCOM: US Central Command
CFR: case fatality rate
CG: phosgene
CHF: congestive heart failure
CK: creatinine phosphokinase; cyanogen chloride
CK\(_1\): creatinine kinase
CNS: central nervous system
C.O.: cardiac output
CO\(_2\): carbon dioxide
COCOM: Combatant Command
CONUS: continental United States
COPD: chronic obstructive pulmonary disease
CoTCCC: Committee on Tactical Combat Casualty Care
CPAP: continuous positive airway pressure
CPDA-1: citrate-phosphate-dextrose-adenine
CPG: Clinical Practice Guideline(s)
CPK: creatinine phosphokinase
CPP: cerebral perfusion pressure
CPR: cardiopulmonary resuscitation
CPS: Chief of Professional Services
CrCl: creatinine clearance
Cre/Cr: creatinine
CRNA: Certified Registered Nurse Anesthetist
CRTS: Casualty Receiving and Treatment Ship
CRVAP: combat-related ventilator-associated pneumonia
CSF: cerebrospinal fluid
CSH: Combat Support Hospital
C-spine: cervical spine
CSW: cerebral salt wasting
CT: computed tomography
CTA: computed tomography angiography/angiogram
CVA: cerebrovascular accident
CVN: this is a ship’s hull classification symbol; C = aircraft carrier, V = fixed wing, N = nuclear powered
CX: phosgene oxide
CXR: chest X-ray

D
D5: 5% dextrose
D5NS: 5% dextrose in normal saline
D5W: 5% dextrose in water
D5½NS: 5% dextrose in ½ normal saline solution
DA: Department of the Army
DA PAM: Department of the Army pamphlet
Dbili: direct bilirubin
DBP: diastolic blood pressure
DCCS: Deputy Commander for Clinical Services
DCN: Deputy Commander of Nursing
DCS: damage control surgery
DD Form: Department of Defense Form
DD Form 572: Blood Donation Record
DDAVP: 1-deamino-8-d-arginine vasopressin (or Desmopressin)
Ddx: differential diagnosis
DECON: decontamination
DIC: diffuse/disseminated intravascular coagulation
DIN: donation identification number
DKA: diabetic ketoacidosis
DO$_2$: oxygen delivery
DOB: date of birth
DoD: Department of Defense
DoDTR: Department of Defense Trauma Registry
DOW: died of wounds
DP: diphosgene
DPA: diagnostic peritoneal aspiration
DSN: Defense Switched Network
DVA: Department of Veterans Affairs
DVT: deep venous thrombosis

E
EAC: Echelon Above Corps (or echelon of care)
EBL: estimated blood loss
ECFV: extracellular fluid volume
ECG: electroencephalogram
ECHO: echocardiogram
ED: Emergency Department
EDTA: ethylenediaminetetraacetic acid
EKG: electrocardiogram
ELISA: enzyme-linked immunosorbent assay
EMEDS: Expeditionary Medical Support
EMT: Emergency Medical Technician
ENT: ear-nose-throat
EOD: explosive ordnance disposal
ePTFE: expanded polytetrafluoroethylene
EPW: enemy prisoner of war
ER: emergency room
ERC: en route care
ERG: Expeditionary Ready Group
ET: endotracheal
ETT: endotracheal tube
EUCOM: European Command

F
FAST: Focused Abdominal Sonography for Trauma
FDA: Food and Drug Administration
FeNa: fractional excretion of sodium
FFP: fresh frozen plasma
Abbreviations and Acronyms

**FiO₂**: fraction of inspired oxygen; inspired oxygen

**FM**: field manual

**FMC**: full metal case

**Fr**: French gauge

**FS**: Flight Surgeon

**FST**: Forward Surgical Team

**FWB**: fresh whole blood

**G**

**GA**: tabun

**GB**: sarin

**GCS**: Glasgow Coma Scale

**GD**: soman

**GF**: cyclosarinor cyclohexyl sarin

**GI**: gastrointestinal

**GOS**: Glasgow Outcomes Score

**GPW**: Geneva Convention Relative to the Treatment of Prisoners of War

**gr**: grains

**GSW**: gunshot wound

**gtt**: drops (from the Latin *guttae*)

**GWS**: Geneva Convention for the Amelioration of the Wounded and Sick in Armed Forces in the Field

**H**

**H₂O**: water

**HACE**: high-altitude cerebral edema

**HAPE**: high-altitude pulmonary edema

**HBsAg**: hepatitis B surface antigen

**HBV**: hepatitis B virus

**HCV**: hepatitis C virus

**HD/H**: sulfur mustard

**HEAT**: high explosive antitank

**Hgb**: hemoglobin

**H/H**: hematocrit/hemoglobin

**HHS**: hyperglycemic hyperosmolar syndrome

**HIDA**: hepatobiliary iminodiacetic acid

**HIPAA**: Health Insurance Portability and Accountability Act

**HIT**: heparin-induced thrombocytopenia
Emergency War Surgery

HIV: human immunodeficiency virus
HN: nitrogen mustard
HR: heart rate
HTS: hypertonic saline
HUB: Hospital Unit–Base
HUS: Hospital Unit–Surgical

I
iCa: hypocalcemia
ICFV: intracellular fluid volume
ICP: intracranial pressure
ICU: intensive care unit
ICW: intermediate care ward
I:E: inspiration:expiration
IED: improvised explosive device
IM: intramuscular
IMA: inferior maxillary artery
IMV: intermittent mandatory ventilation
INR: International Normalized Ratio
IO: intraosseous
I&O: intake and output
ISBT: International Society of Blood Transfusion
IV: intravenous
IVC: inferior vena cava
IVV: intravascular volume

J
JP: Jackson-Pratt
JTS: Joint Trauma System
JTTR: Joint Theater Trauma Registry
JTTS: Joint Theater Trauma System

K
K: clot time; potassium
KCl: potassium chloride
KIA: killed in action
KUB: kidneys, ureters, bladder (a frontal supine radiograph)
K-wires: Kirschner wires
Abbreviations and Acronyms

L
L: Lewisite
LA: left atrium
LAT: lateral
LD: lethal dose
LHA: label for a Tarawa class ship
LHD: landing helicopter deck
LMA: laryngeal mask airway
LR: lactated Ringer’s
LUQ: left upper quadrant
LV: left ventricle
LZ: landing zone

M
MA: maximal amplitude
MAC: minimal alveolar concentration
MAP: mean arterial pressure
MCO: Marine Corps Order
meds: medicine
MEDEVAC: medical evacuation
MEF: Marine Expeditionary Force
MESS: Mangled Extremity Severity Score
MF2K: Medical Force 2000
MFST: Mobile Field Surgical Team
MH: medium half
MMF: maxillary-mandibular fixation
MOPP: Mission-Oriented Protective Posture
MRI: magnetic resonance imaging
MRSA: methicillin-resistant Staphylococcus aureus
MTF: medical treatment facility
MVA: motor vehicle accident
MvO$_2$: mixed venous oxygen delivery

N
N$_2$O: nitrous oxide
N/A: not applicable
Na: sodium
NaCl: sodium chloride
NaHCO$_3$: sodium bicarbonate
### Emergency War Surgery

**NATO**: North Atlantic Treaty Organization  
**NAVMED P**: Department of the Navy publication  
**NBC**: nuclear, biological, and chemical  
**NCO**: noncommissioned officer  
**NG**: nasogastric  
**NHLBI**: National Heart, Lung, and Blood Institute  
**NIH**: National Institutes of Health  
**NIPR**: Nonsecure Internet Protocol Router  
**NOE**: naso-orbital-ethmoid  
**NP**: neuropsychiatric  
**NPO**: nothing by mouth  
**NPWT**: negative pressure wound therapy  
**NS**: normal saline  
**NSAIDs**: nonsteroidal antiinflammatory drugs  
**NSTEMI**: non-ST elevation myocardial infarction

#### O

- **O₂**: oxygen  
- **OB/GYN**: obstetrics/gynecology  
- **OCONUS**: outside the contiguous United States  
- **ODD**: once daily dosing  
- **OEF**: Operation Enduring Freedom  
- **OET**: oxygen economizer tube  
- **OIF**: Operation Iraqi Freedom  
- **OPNAVINST**: Office of the Chief of Naval Operations  
- **OR**: operating room

#### P

- **PA**: Physician’s Assistant; pulmonary artery; posteroanterior  
- **PaCO₂**: partial arterial gas pressure (tension) of carbon dioxide  
- **PACOM**: Pacific Command  
- **2-PAMC**: pralidoxime chloride  
- **PaO₂**: partial pressure of oxygen in the blood or in arterial blood  
- **PBW**: predicted body weight  
- **PCWP**: pulmonary capillary wedge pressure  
- **pCXR**: portable chest X-ray  
- **PE**: pulmonary embolism
PEEP: positive end-expiratory pressure
PHTLS: Pre-Hospital Trauma Life Support
PI: performance improvement
PM: preventive medicine; Program Manager
PMMA: poly(methyl methacrylate)
PMRC: Patient Movement Requirements Center
PNT: penetrating neck trauma
po/PO: per os (by mouth)
post-op: postoperative
Pplat: plateau pressure
PR interval: measured from the beginning of the P wave to the
  beginning of the QRS complex
PRBCs: packed red blood cells
PRN: as needed
PS: pressure support; chloropicrin
PSI: pounds per square inch
PvO$_2$: mixed venous oxygen tension

Q
q4h: every 4 hours
q6h: every 6 hours
q8h: every 8 hours
q12h: every 12 hours
qd: every day
qhs: at bedtime
qid/QID: 4 times a day
QRS complex: combination of three graphical deflections on
  an electrocardiogram; represents ventricular depolarization
QT interval: measure of time between start of Q wave and end
  of T wave

R
R: reaction time; radius/radial
R4: right patient, right place, right time, right care
RA: regional anesthesia; right atrium
RBC: red blood cell
RDD: radiological dispersal device
REBOA: resuscitative endovascular balloon occlusion of the aorta
Resus: resuscitation
rFVIIa: recombinant factor VIIa
RN: Registered Nurse
RPG: rocket-propelled grenade
rpm: revolutions per minute
RPR: Rapid Plasma Reagin
RR: respiratory rate
RSDL: Reactive Skin Decontamination Lotion
RSI: Rapid Sequence Intubation
RTD: return to duty
RUQ: right upper quadrant
RV: right ventricle

S
SaO\textsubscript{2}: percentage of oxygen saturation of hemoglobin
SBP: systolic blood pressure
SCH: subconjunctival hemorrhage
SCre: serum creatinine
ScvO\textsubscript{2}: central venous oxygen saturation
SEAL: SEa, Air, Land
SG: Surgeon General
SH: small half
Sharps: refers to sharp objects, such as needles, scalpel blades, disposable scissors, stylets, trocars, broken test tubes, glass, etc.
SIMV: synchronized intermittent mandatory ventilation
SNa: serum sodium
SOD: Surgeon of the Day
SOP: standard operating procedure
SPEARR: Small Portable Expeditionary Aeromedical Rapid Response (team)
SpO\textsubscript{2}: noninvasive pulse oximetry
spp.: species
SSN: Social Security Number
STANAG: Standardization Agreement
STEMI: ST elevation myocardial infarction
STRATEVAC: strategic evacuation
ST segment: connects the QRS complex and the T wave
SV: stroke volume
SvO\textsubscript{2}: mixed venous oxygen saturation of hemoglobin
Abbreviations and Acronyms

T
 TA: thoracoabdominal (stapler)
 TBI: traumatic brain injury
 Tbili: total bilirubin
 TBSA: total body surface area
 TCCC: Tactical Combat Casualty Care
 TEG: thromboelastogram
 TFC: tactical field care
 THAM: tromethamine
 tid/TID: three times a day
 TMD: Theater Medical Director or Trauma Medical Director
 TMDS: Theater Medical Data Store
 TNC: Trauma Nurse Coordinator
 TO: Theater of Operations
 TOW: tube-launched, optically tracked, wire-guided (missile)
 trach collar: tracheostomy collar
 TRALI: transfusion-related acute lung injury
 TTP: thrombotic thrombocytopenic purpura

U
 U: ulnar/units
 UCre: urine creatinine
 UNa: urine sodium
 UOP: urine output
 UPAC: Universal Portable Anesthesia Complete
 US: United States; ultrasound
 USAF: US Air Force
 USAISR: US Army Institute of Surgical Research
 USMC: US Marine Corps
 USNS: US Navy ship
 USTRANSCOM: US Transportation Command
 UV: ultraviolet
 UXO: unexploded ordnance

V
 VAC: Vacuum-Assisted Closure
 VAP: ventilator-associated pneumonia
 VCO₂: carbon dioxide production
 Vd: deadspace volume
Emergency War Surgery

Ve: minute volume
VEE: Venezuelan equine encephalitis
Vel: velocity
VHF: viral hemorrhagic fever
VO$_2$: oxygen uptake
VRE: vancomycin-resistant enterococci
$V_T$: tidal volume
VX: methylphosphonothioic acid

W
WDMET: Wound Data and Munitions Effectiveness Team
WIA: wounded in action
Wt: weight