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:\textsubscript{T}: creatinine kinase
CNS: central nervous system
C.O.: cardiac output
CO\textsubscript{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
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: inspirationexpiration
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

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>L</td>
<td>Lewisite</td>
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<tr>
<td>LA</td>
<td>left atrium</td>
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<tr>
<td>LAT</td>
<td>lateral</td>
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<tr>
<td>LD</td>
<td>lethal dose</td>
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<td>LHA</td>
<td>label for a Tarawa class ship</td>
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<td>LHD</td>
<td>landing helicopter deck</td>
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<td>LMA</td>
<td>laryngeal mask airway</td>
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<tr>
<td>LR</td>
<td>lactated Ringer’s</td>
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<tr>
<td>LUQ</td>
<td>left upper quadrant</td>
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<tr>
<td>LV</td>
<td>left ventricle</td>
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<tr>
<td>LZ</td>
<td>landing zone</td>
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<tr>
<td>MA</td>
<td>maximal amplitude</td>
</tr>
<tr>
<td>MAC</td>
<td>minimal alveolar concentration</td>
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<tr>
<td>MAP</td>
<td>mean arterial pressure</td>
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<tr>
<td>MCO</td>
<td>Marine Corps Order</td>
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<tr>
<td>meds</td>
<td>medicine</td>
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<tr>
<td>MEDEVAC</td>
<td>medical evacuation</td>
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<tr>
<td>MEF</td>
<td>Marine Expeditionary Force</td>
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<tr>
<td>MESS</td>
<td>Mangled Extremity Severity Score</td>
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<td>MF2K</td>
<td>Medical Force 2000</td>
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<tr>
<td>MFST</td>
<td>Mobile Field Surgical Team</td>
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<tr>
<td>MH</td>
<td>medium half</td>
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<tr>
<td>MMF</td>
<td>maxillary-mandibular fixation</td>
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<tr>
<td>MOPP</td>
<td>Mission-Oriented Protective Posture</td>
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<tr>
<td>MRI</td>
<td>magnetic resonance imaging</td>
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<tr>
<td>MRSA</td>
<td>methicillin-resistant Staphylococcus aureus</td>
</tr>
<tr>
<td>MTF</td>
<td>medical treatment facility</td>
</tr>
<tr>
<td>MVA</td>
<td>motor vehicle accident</td>
</tr>
<tr>
<td>MvO(_2)</td>
<td>mixed venous oxygen delivery</td>
</tr>
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<tr>
<td>N(_2)O</td>
<td>nitrous oxide</td>
</tr>
<tr>
<td>N/A</td>
<td>not applicable</td>
</tr>
<tr>
<td>Na</td>
<td>sodium</td>
</tr>
<tr>
<td>NaCl</td>
<td>sodium chloride</td>
</tr>
<tr>
<td>NaHCO(_3)</td>
<td>sodium bicarbonate</td>
</tr>
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</table>
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
  Instruction
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
Abbreviations and Acronyms

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, scalpels, stainless steel 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
- VCO$_2$: carbon dioxide production
- Vd: deadspace volume
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