Index

Note: page numbers in italics refer to figures and tables.

acidosis and hypovolemia, 7, 10–11
volume replacement, 10–11
active shooter, definition, 63
acute coronary syndrome, 1–5
cardiac arrest, 1–5
bradycardic arrest, 3, 4–5
chest pain in recovery, 2, 4
debriefing, 3
management, 3–4
STEMI in operating room, 1–2, 4
adrenal insufficiency, 30
advanced warning event, 77, 80
airway edema, 38
preparation for anesthesia, 53
see also difficult airway
anaphylaxis, 7–8, 11–12
causes, 11–12
treatment, 12
anesthesia machine, 56
anesthetic agents, 57
thermoregulation effects, 28
see also named drugs
angina, unstable, 4–5
anticholinergic syndrome, 39
management, 39
symptoms, 39
armed intruders, 71
active shooter definition, 63
see also violence in the workplace, active shooter
atrial fibrillation (AF), 34
postoperative dysrhythmia, 39, 40
transfer of patient, 34
benzodiazepines, reversal of effects, 24–25
bradycardic arrest, 3, 4–5
bupivacaine, 60, 61, 62
cardiac arrest
acute coronary syndrome, 1–5
debriefing, 3
reversible causes, 6–12
debriefing, 8
cardiac tamponade, 9
treatment, 9–10
central nervous depression, 29
cerebral hypoperfusion, 31
cancerous spillover, 41–42
chest pain in recovery, 2, 4
collodion, 11
coronary stents, 2, 4
cricothyroidectomy, 51
crystalloids, 11
dantrolene, malignant hyperthermia
case, 14, 15, 16
administration, 17, 19
formulation, 19
transfer agreement, 20
defibrillation
cardiac arrest, 4
chest pain in recovery, 2
pediatric malignant hyperthermia, 16
postoperative dysrhythmia, 35
delayed emergence, 23–31
hypertension, 30–31
hypothermia in the recovery room, 27–28
metabolic derangement in recovery room, 28–30
narcotic oversedation, 23–25
pharmacological causes, 24–25
prolonged neuromuscular blockade, 25–27
diabetic ketoacidosis, 7, 11
dibucaine number, 27
difficult airway, 49–57
algorithm, 54
anticipated, 53–54
audit, 53
box, 57
cart, 55, 56
debriefing, 52
description, 57
equipment, 55–57
extubation, 55–56
follow-up, 56–57
guideline, 52, 53–57
incidence, 52–53
letter, 52, 57
loss of natural airway during sedation, 50–51
pediatric, 49–50
preparation for anesthesia, 53
recommendations, 53–57
remote locations, 52–53
unanticipated, 51–52, 55
disaster preparedness regulations, 79
drug reactions, anaphylaxis, 12
dysrhythmia, postoperative, 34–36, 39–41
debriefing, 35–36
etiology, 39
treatment, 40
embolic events, non-thrombotic, 45
emergency preparedness and evacuation in ambulatory surgical centers, 71–81
advanced warning event, 77, 80
assembly points, 78
authority chain, 76
captive audience approach, 79
checklist, 80
chemical spill, 74–75
communication roster, 76
debriefing, 75
disaster preparedness regulations, 79
discharge sites, 78
Emergency Operational Plans, 72
evacuation checklist, 80–81
decisions, 77–78
goals, 72
horizontal, 76
levels, 72, 76
resource requirements, 79–80
support requirements, 79–80
time frames, 77–78
total, 76
types, 72, 76
vertical, 76
event type possibility/probability, 75–76
evacuation
active shooter in workplace, 68
see also emergency preparedness and evacuation in ambulatory surgical centers
fat embolism in operating room, 43–44
fentanyl, 17, 25
flumazenil, 24–25
foreign bodies, upper airway obstruction differential diagnosis, 37
gas leak, 72–74
glycopyrrolate, 25
HAZMAT team, 74–75
hyperosmolar hyperglycemic nonketotic coma, 30
hypertension
cerebral hyperperfusion, 31
debriefing, 31
delayed emergence, 30–31
hyperthermia
causes, 38–39
cooling, 38
differential diagnosis, 39
febrile, 38
morbidity, 38
non-febrile, 38, 39
in recovery room, 34, 38–39
transfer of patient, 34
treatment, 38–39
see also malignant hyperthermia
hypoglycemia
perioperative fasting, 30
risk in pediatric patients, 29–30
treatment, 30
hyponatremia, hypo-osmolarity, 30
hypo-osmolarity, 30
hypotension, cerebral hypoperfusion, 31
hypothermia
effects, 28
electrocardiographic abnormalities, 28
prevention, 28
in the recovery room, 27–28
debriefing, 28
hypothyroidism, 30
hypovolemia see acidosis and hypovolemia
hypoxemia, 8–9
recurrent in obstructive sleep apnea, 24
Incident Commander, 72, 76
role in chemical spill, 74–75
role in gas leak, 73–74
medical information transfer, 78–80
no advanced warning event, 77–78, 80
patient prioritization, 72
patient tracking, 78–80
shelter-in-place, 76
site-specific plans, 71–72
time frame, 72
inhalational anesthesia, 13, 14, 15, 17
pediatric, 15–16
intracranial pressure (ICP), raised in cerebral hyperperfusion, 31
jugular venous distension, 9
laryngeal mask airway (LMA), 13
latex allergy, 11–12
levo-bupivacaine, 61
local anesthetic systemic toxicity (LAST), 59–62
cardiac toxicity, 61–62
clinical signs/symptoms, 61–62
CNS toxicity, 61–62
debriefing, 61
delayed in recovery room, 60–61
drugs implicated, 61
in operating room from drug swap, 60
intravascular injection likelihood minimization, 62
patient age, 61
practice advisory, 61
regional block, 59–60
symptom onset, 61
treatment, 62
ultrasound guidance, 62
malignant hyperthermia, 13–22
acute phase treatment checklist, 21
adult cases in freestanding centers, 13–15, 16–18
anesthesia care provider checklist, 21
anesthesia cold supplies, 22
checklists for team members, 20–21
clinical presentation, 19
communication with family, 20
cooling of patient, 21
debriefing, 18
disease, 18–19
early warning signs, 19
invasive lines, 21
management, 20
goals, 19–20
susceptible patients, 22
MH cart/kit supplies, 21–22
nursing supplies, 22
PACU nurse checklist, 21
pediatric case in endoscopy center, 15–16
susceptibility, 18–19
management, 22
transfer to accepting hospital, 20, 21
treatment protocols, 18
mechanical failures, 71
metabolic derangement in recovery room, 28–30
debriefing, 29
muscle relaxants, evoked responses, 27
naloxone, 24
allergy, 24
narcotic oversedation, 23–25
debriefing, 24
natural disasters, 71
neostigmine, 25
neuroleptic malignant syndrome, 39
neuromuscular blockade, prolonged, 25–27
debriefing, 26
paradoxical weakness, 26
reversal agents, 26
no advanced warning event, 77–78, 80
obesity
recurrent hypoxemia in obstructive sleep apnea, 24
upper airway obstruction, 33
obstructive sleep apnea, recurrent hypoxemia, 24
upper airway obstruction, 33, 36
opioids, reversal, 24
pediatric
difficult airway, 49–50
local anesthetic systemic toxicity in operating room from drug swap, 60
malignant hyperthermia, 15–16
metabolic derangement in recovery room, 28–30
narcotic oversedation, 23–25
prolonged neuromuscular blockade, 25–27
pneumothorax, 6–7, 8–10
cardiac arrest, 6–7
Postanesthesia Care Unit (PACU), complications, 36
premature ventricular contractions, 39, 40
propofol, 25, 50
pseudocholinesterase, 26
types, 26–27
pulmonary embolism, 42–48
anticoagulation, 43
at-risk patients, 44–45
clinical signs, 45
diagnosis, 43, 45–46
fat embolism in operating room, 43–44
hypotension, 47
imaging, 46
laboratory studies, 45–46
monitoring for recurrent embolism, 48
in operating room, 42–43
patient transfer, 43
in recovery room, 43
treatment, 45–47
ventilation, 47
pulsus paradoxus, 9

index
Index

QT prolongation, 40–41
recovery room, 33–41
dysrhythmia, 34–36, 39–41
hyperthermia, 34, 38–39
PACU see also recovery room
upper airway obstruction, 33
rocuronium, 16
dosage, 60
ryanodine receptor (RYR1), 19
sedation
loss of natural airway during, 50–51
narcotic oversedation, 23–25
sevoflurane, 13, 14, 15–16
shooting see armed intruders; violence in the workplace, active shooter
sinus bradycardia, 39–40
sinus tachycardia, 39, 40
ST elevation myocardial infarction (STEMI)
in operating room, 1–2, 4
stent thrombosis, 2, 4
succinylcholine, 17, 25, 34
sugammadex, 26
tachyarrhythmias, 40
technological failures, 71
tension pneumothorax, 7, 9
terrorism, 71
thermoregulation, anesthetic agents, 28
thyroid storm, hyperthermia, 38–39
thyrotoxicosis
decompensated, 38–39
postoperative dysrhythmia, 39
torsades de pointes, 35, 40–41
transfer of patient
atrial fibrillation, 34
hyperthermia, 34
malignant hyperthermia, 20, 21
pulmonary embolism, 43
upper airway obstruction,
airway insertion, 36
algorithm, 37–36
causes, 36
differential diagnosis, 37–38
etiology, 36
upper airway obstruction,
postoperative, 33, 36–38
causes, 36
incidence, 36
patent airway establishment, 33
signs, 36
venous thromboembolism, at-risk patients, 44–45
ventricular arrhythmias, 39, 40
ventricular bigeminy, 39, 40
ventricular fibrillation, 35
pediatric malignant
hyperthermia, 16
pulmonary embolism, 43
ventricular tachycardia, 35
violence in the workplace, active shooter, 63–70
action taking, 68–69
actions, 65–66
alert, 68
analyses, 66–67
barricading, 68
characteristics, 67
communication, 68
debriefing, 66
definition, 63
disruption of shooter, 68–69
education/training programs, 67
evacuation, 68
in freestanding setting, 64–66
hideouts, 68
incapacitation of shooter, 68–69
incidence, 63, 64, 67
incident characteristics, 67–68
inform, 68
knowledge of options, 68–69
law enforcement arrival, 65, 66, 69
lockdown, 68
outcomes, 67
prevention, 69–70
resources, 67
response, 63, 67
victims, 65