Brady/Pearson Health Science

Summary of Revisions (9/15/11) **OUTDOOR EMERGENCY CARE, 5th Ed.** National Ski Patrol

McNamara/Johe/Endly

Chapter-Page & Location	Update
xiv, first bullet	Stop, Think, Understand
xv, fifth bullet,	In addition, this edition was updated to incorporate relevant 2010 ECC recommendations for
first sentence	CPR.
mst sentence	OF IV.
	Special Tribute moved to this page
xvii, Chapter	Corrected to read Sylva, NC
17	
xviii	Information for Brigitte Schran Brown corrected to read: LCA #8205
xxii	Acknowledgements added for Richard Davis, Robert Ferris, Ann Gassman, Steven Hauser, Bela Musits, and Stephen Simi
xxii	Contributing Medical Editor
	Michael G. Millen, MD, MPH, FACEP
	Assistant Professor
	Department of Emergency Medicine
	Johns Hopkins University School of Medicine
xxiii	Some credits moved from p.xxii to this page
405.	Corrected information provided for Janet Glaeser
1-6, Figure 1-5	© New England Ski Museum
2-32 , first	The word "a" moved to next line
margin	
definition 2-46, second	If you are a rescuer for another non-federal agency, contact the FCC (www.fcc.gov) for
paragraph, last	licensing information.
sentence	incerising information.
2-46 , third	OEC Technicians communicate with each other and with other members of the emergency
paragraph, first	care system by various means, including two-way radios, landline telephones, and cell
sentence	phones.
2-47 , Factors	Equipment damage (e.g. broken antenna)
That Can	,
Adversely	
Affect Radio	
Communicatio	
ns, twelfth	
bullet	
3-58, Figure 3- 2	Switch Cerebrum and Cerebellum labels.
3-64 , Figure 3-	The Food Pyramid. Orange: grains; green: vegetables; red: fruits; yellow: oil; blue: milk
10	(including cheese and yogurt); purple: protein (meat and beans).
2 65 Finat A:al	Copyright USDA
3-65 , First Aid	Your first-aid equipment will include, but not be limited to, the items listed in Appendix C.
and Survival Pack, last	
sentence	
3-81, Spills,	Then decontaminate the spill by using an EPA-approved germicide or a 1:10 solution of
third sentence	household bleach, and decontaminate your equipment and supplies as well (Figure 3-23b).
3-86 , Figure 3-	Placards have been updated.
J Ju, i iguie J-	i idodi do navo been apadied.

00	
29	
3-87 , Crime	Examples of crime scenes include sites at which homicides, hostage situations, domestic
Scene	violence, and assaults occurred.
Management,	
third	
paragraph, first	
sentence	
3-91	Continued line added at bottom
3-94 , Chapter	Although Appendix C will guide you in preparing a well-stocked first-aid kit, this chapter
Summary, third	provided a solid basis for being prepared for the unexpected.
paragraph,	
third sentence	
4-124,	Lettering in the answers should read a, b, c, d
Question #6	
5-140, Stop,	5. Which long axis drag would you not use if you suspect spinal injury?
Think.	and the second s
Understand,	
Multiple	
Choice	These nations should be placed to a based described was 10 a constitution 12 and 12 and 12 and 13 are 10 and 14 are 10 are 11 and 12 are 11 are 12 ar
5-149, second	These patients should be placed in a head-downhill position so that more blood is available
bullet point,	to perfuse vital organs.
second	
sentence	
5-165,	4. Rothberg position
Matching	
6-171 , Body	The organs of the body, with the exception of the skin, are located within hollow spaces in
Cavities	the body referred to as body cavities.
6-175, Figure	Extend Epiglottis line to the actual part of the body.
	Extend Epiglottis line to the actual part of the body.
6-9	
6-183 , fourth	The brain and spinal cord are covered by three protective layers, collectively known as the
paragraph, first	meninges (Figure 6-19), which are in turn protected by the bones of the skull, the vertebrae
sentence	and soft tissues.
7-223,	4 Withdraws from pain
Glasgow	
Coma Scale,	
Motor	
7-225, Multiple	5. The normal respiratory rate for an adult is
Choice.	o. The normal respiratory rate for an addition
,	
Question #5	a 25 50 breedthe new minute
7-225 , Multiple	c. 25-50 breaths per minute.
Choice,	
Question #6	
7-236 , Multiple	a. An adult climber who falls 22 feet off a ledge.
Choice,	b. A 10-year-old climber who falls 12 feet.
Question #3	d. A cross country skier struck by a snowmobile going 25 mph.
7-236 , Multiple	What does the Q stand for in OPQRST?
Choice,	a. Quality
Question #10	b. Quiet
Question #10	
	c. Quick
	d. Quixotic
7-237,	Indicate whether each of the following items is a sign or a symptom by writing the correct
Matching	letter in the blank.
7-251 , OEC	Place the cuff on the upper arm with the arrow pointing over the brachial artery.
· ·	, ,
Skill 7-7, a.	i
Skill 7-7, a, first sentence	
first sentence	Obtains SAMPLE history from nations and/or witness (if available) (CPI)
first sentence 7-253,	Obtains SAMPLE history from patient and/or witness (if available). (CPI)
first sentence 7-253, Secondary	Obtains SAMPLE history from patient and/or witness (if available). (CPI)
first sentence 7-253, Secondary Assessment,	Obtains SAMPLE history from patient and/or witness (if available). (CPI)
first sentence 7-253, Secondary Assessment, second row	
first sentence 7-253, Secondary Assessment, second row 7-254,	Obtains SAMPLE history from patient and/or witness (if available). (CPI) Obtains SAMPLE history from patient and/or witness (if available). (CPI)
first sentence 7-253, Secondary Assessment, second row	

Assessment	
Assessment, third row	
7-255, Scene-	Determines that the scene is safe. (CPI)
Size Up, first	(0. 1)
row	
7-257, Skill,	Locates radial pulse (for child <8 YOA, locate brachial pulse).
third row	Locates carotid pulse for unresponsive patient.
7-258, Skill,	Counts number of breaths for 30 seconds and multiplies by two for respirations per minute;
last step	determines if patient is breathing within normal limits (12-20 adult) (15-30 child) (25-50
7-259, Skill,	infant). Initiates Standard Precautions
first row	initiates Standard Freedutions
7-259, Skill,	Applies the cuff snugly to the humerus above the elbow, ensuring that arrow on cuff points
third row	to brachial artery. Places the sphygmomanometer in position that is easy for you to read.
7-261,	c. Some patients with orthostatic hypotension do not show a drop in pulse.
Question #11	
7-262,	c. 12-20 breaths per minute.
Question #14 8-267, Figure	© Studio 404
8-3	Studio 404
8-275 , second	The SAMPLE acronym can also be found on many of these forms (Figure 8-13).
paragraph,	,
third sentence	
9-294 , second	During this phase, the respiratory muscles relax, increasing pressure within the chest,
paragraph,	thereby expelling any unused air and gaseous waste products from the lungs and out of the
third sentence	body.
9-297, top of the page	Place your thumbs on the mandible. Lift the mandible upward.
9-300 , Figure	The modified recovery position (or left lateral recumbent position) may be used to prevent
9-12	aspiration in patients not suspected to have spinal injuries .
9-301,	(check all that apply) added to end of question
Question #3	
9-304 , Barrier	(Appendix C: Survival Kit)
Devices, second	
sentence	
9-316, Multiple	c. 95-100 percent
Choice,	
Question #3	
9-328,	You remove the OPA, and the team uses a bag-valve mask with high-flow oxygen to assist
sentence after	the patient's breathing at a rate of one breath every five seconds.
Question #3	Lines drawn to connect Shock to both Hypovolemic and Distributive
10-337, Figure	Lines drawn to connect shock to both rypovoleniic and distributive
10-349,	a. Tachypnea, hypotension, tachycardia, pale diaphoretic skin, and altered mental status are
Multiple	all classic signs, symptoms of shock.
Choice,	c. A 4-year-old is as likely to spiral rapidly into decompensated shock as is an 80-year-old.
Question #6	
10-349,	a. Rothberg position
Multiple Choice,	b. supine patient with elevation of the feet 8-12 inches above the heart
Question #8	
11-377 , Figure	Reverse photo, patient should be lying on left side.
11-22	
11-385,	c. SLUDGE
Question #2	Overther #4
13-431	Question #4.
	a. Comfort the patient and have him talk to you so the focus is on you and not on breathing fast.
	b. Tell him he is causing the problem by being anxious and then instruct him to
	c. Place him on a nonbreather mask
	d. Ignore him,
14-451	Title to read "Administration"

14-452	Title to read "Administration"
15-464 , Figure	Caption to read "deliver"
15-7	'
15-467 , Figure	Delete caption copy in parentheses
15-12	
15-471,	d. artery narrowing
Multiple	
Choice,	
Question #3	
15-491,	d. start compressions.
Multiple	
Choice,	
Question #4	
16-514,	d. pelvic inflammatory disease
Scenario,	
Question #1	Detate whate 00 degrees assurtant leading
18-566 , OEC	Rotate photo 90 degrees counterclockwise
Skill 18-1,	
photo c 19-593,	The first priority, as previously indicated, is to extinguish any burning or smoldering
Thermal	clothing using the National Fire Protection Associations time honored practice of "Stop,
Burns, first	Drop, and Roll."
sentence	prop, and Roll.
20-604, Figure	(a) Appendicular (b) Axial
20-2	(a) Appendicular (b) Fortal
20-606, Figure	Types of movable joints.
20-6	,,
20-614 , Figure	© E.M. Singletary, MD
20-15	
20-632 , left	valgus medial (inward) angulation of a bone or joint (toward the midline).
column	varus lateral (outward) angulation of a bone or joint (away from the midline).
20-676 , photo	Caption d to read:
captions	Tie the two ends at the side of the neck and place a pad under the knot.
	Continue for road.
	Caption f to read: For the swathe: Fold a second triangular bandage to form a cravat that is 2-4 inches wide.
	Wrap around the patient's chest with the middle of the cravat over the injured arm, and tie
	the ends under the opposite arm. Reassess CMS.
	the ones and opposite arm resusses ones.
20-678, OEC	a. Fold a blanket lengthwise into thirds or fourths and lay four cravats crosswise onto
Skill 20-4	the blanket. Knots can be tied in the cravats for differentiating ties.
	b. Roll or fold the blanket into the appropriate size to fit the patient.
	d. Tie one of the cravats from the blanket roll under the opposite shoulder and another
	around the neck.
20-688, Skill,	Add row: Applies figure-eight splint and then applies a swathe (CPI).
Reassesses	Change last your Must receive 40 cut of 40 mainta
CMS.	Change last row: Must receive 10 out of 13 points.
20-690	Page number added
21-734 25-833,	Page number added Question #4. If patient is extricated within 15 minutes is the what percent chance of
Multiple	survival?
Choice	A 90% b 20% c 30% d 45%
29-922,	The same principles hold true when the body is under water, especially at a depth of 33 feet,
Bottom of the	where the pressure of the water is 2 atmospheres (ATM): 1 ATM from the air plus 1 ATM
page	from the water.
29-923,	Thus, if you have 6 liters of air in your lungs and you dive to 33 feet (two atmospheres of
Boyle's Law,	water pressure and 1 atmosphere of air pressure for a total of three atmospheres), the
third sentence	volume of air in your lungs is reduced (compressed) by half, to 3 liters.
29-923,	When you ascend from a depth of 33 feet to the surface, the volume of gas within your lungs
Boyle's Law,	will attempt to increase.
third paragraph	

29-923,	The pressure at a depth of 66 feet is 3 atmospheres, or 44.1 psi.
Dalton's Law, fourth	
sentence	
29-927,	Barotrauma is a form of trauma that is caused by the difference in the pressure within air-
Barotrauma,	filled structures of the body (e.g., the lungs, intestines, and the middle ear)and the pressure
first paragraph,	of the external environment.
first sentence	
29-927,	DCI (decompression illness)
Barotrauma,	
second	
paragraph,	
second	
sentence	
30-964, Figure	Credit added to caption
30-22	
34-1068,	NSP celebrates its 70 th anniversary during its annual board meeting in Denver, Colorado.
Historical	
Timeline	
Glossary,	valgus medial (inward) angulation of a bone or joint (toward the midline).
1196	varus lateral (outward) angulation of a bone or joint (away from the midline).
Answer Key-	Question #4. Correct answer is a (p. 40)
1198 , Chapter	
2, Stop, Think,	
Understand (p.	
44), Multiple	
Choice	
Answer Key-	Question #1. Correct answer is c (pp. 100-101)
1199 , Chapter	
4, Stop, Think,	
Understand (p.	
113), Multiple	
Choice	
Answer Key-	(p. 102-103)
1199 , Chapter	
4, Stop, Think,	
Understand (p.	
113), Fill in the	
Blank	
Answer Key-	Question #6. Correct answer is a
1199 , Chapter	
4, Chapter	
Questions (p.	
123), Multiple	
Choice	
Answer Key-	Question #4. Sub-question #3. Correct answer is c (p. 181)
1201 , Chapter	
6, Chapter	
Questions (p.	
210), Matching	
Answer Key-	Question#3. b (p. 146)
1201 , Chapter	
6, Chapter	
Questions (p.	
210), Scenario	
Answer Key-	Question #3. Correct answer is all (p. 217)
1201 , Chapter	Question #6. Correct answer is b (p. 217)
7, Stop, Think,	Question #7. Correct answer is c (p. 224)
Understand (p.	Question #8. Correct answer is c (p. 224)
236), Multiple	Question #9. Correct answer is a (p. 227)
Choice	Question #10. Correct answer is all (p. 229)
	Question #13. Correct answer is a (p. 239)

Answer Key-	
Allowel Key	Question #17. Correct answer is d (p. 214)
1201 , Chapter	
7, Chapter	
Questions (p.	
260), Multiple	
Choice	
Answer Key-	Question #1. Correct answer is d
1201 , Chapter	Question #3. Correct answer is c
8, Chapter	
Questions (p.	
288), Multiple	
Choice	
Answer Key-	Question #3. Correct answer is a, e, f (pp. 298-299)
1201 , Chapter	
9, Stop, Think,	
Understand (p.	
294), Multiple	
Choice	
Answer Key-	Question#1.d (pp. 294-295)
	Question#1.u (pp. 234-233)
1202, ,	Oversite was a substitute of
Chapter 9,	Question#3. only b, c, d
Stop, Think,	
Understand (p.	
301),	
Answer Key-	3. d, g, h, j (p. 312)
1202, ,	5. i, I (p. 304)
Chapter 9,	5.13.1 (p. 55.7)
Chapter	
Questions (p.	
326), Question	
#2	
Answer Key-	Question #2. Sub-question #2. Correct answer is c, d, h, j, and k. (p 339)
1202 , Chapter	Sub-question #4. Correct answer is f only.
10, Stop,	•
Think,	
Understand (p.	
Uniderstand tb.	
343), Matching	
343), Matching Answer Key-	Question #2. heart, blood vessels, blood (p. 331)
343), Matching Answer Key- 1202, Chapter	Question #2. heart, blood vessels, blood (p. 331)
343), Matching Answer Key-	Question #2. heart, blood vessels, blood (p. 331)
343), Matching Answer Key- 1202, Chapter	Question #2. heart, blood vessels, blood (p. 331)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think,	Question #2. heart, blood vessels, blood (p. 331)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p.	Question #2. heart, blood vessels, blood (p. 331)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the	Question #2. heart, blood vessels, blood (p. 331)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank	
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key-	Question #2. heart, blood vessels, blood (p. 331) Question #8. Correct answer is airway (p.377)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter	
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter	
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p.	
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p.	
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the	
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key-	
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop,	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think,	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p.	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple	Question #8. Correct answer is airway (p.377)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice Answer Key-	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393) Question #6. Correct answer is a (p. 412)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice Answer Key- 1203, Chapter	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393) Question #6. Correct answer is a (p. 412)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice Answer Key- 1203, Chapter 13, Stop,	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393) Question #6. Correct answer is a (p. 412)
343), Matching Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice Answer Key- 1203, Chapter 13, Stop, Think, Think, Think, Think, Think, Think, Think,	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393) Question #6. Correct answer is a (p. 412)
Answer Key- 1202, Chapter 10, Stop, Think, Understand (p. 343), Fill in the Blank Answer Key- 1203, Chapter 11, Chapter Questions (p. 382), Fill in the Blank Answer Key- 1203, Chapter 12, Stop, Think, Understand (p. 401), Multiple Choice Answer Key- 1203, Chapter 13, Stop,	Question #8. Correct answer is airway (p.377) Question #3. d (p. 393) Question #6. Correct answer is a (p. 412)

Choice	
Answer Key-	Question #1. Sub-question #4. Correct answer is c (p. 414)
1204 , Chapter	Question #2. Sub-question #4. Correct answer is c (p. 417)
13, Stop,	·
Think,	
Understand (p.	
417), Matching	
Answer Key-	Question d. F (p. 470)
1204 , Chapter	* '
15, Stop,	
Think,	
Understand (p.	
471), True or	
False	
Answer Key-	Question #10. Correct answer is c (p. 486)
1204 , Chapter	
15, Stop,	
Think,	
Understand (p.	
491), Multiple	
Choice	
Answer Key-	Question #4. Correct answer is b (p. 474, 500)
1205 , Chapter	
16, Chapter	
Questions (p.	
512), Multiple	
Choice	
Answer Key-	Question #1. Correct answer is a (p. 815)
1211 , Chapter	Question #4. Correct answer is a (p. 831)
25, Stop,	
Think,	
Understand (p.	
833), Multiple	
Choice	