



Certified Ambulatory Surgery Nurse

Study Plan 2020-2021

For applicants sitting for the exam before June 30, 2021

References Cited in This Plan:

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Phillips, N. (Ed.). (2017). *Berry and Kohn's operating room technique* (13th ed.). St. Louis, MO: Elsevier. (Key=B&K)

Rothrock, J.C. (Ed.). (2019). *Alexander's care of the patient in surgery* (16th ed.). St. Louis, MO: Elsevier. (Key=Alex)

Odom-Forren, J. (2018). *Drain's perianesthesia nursing: A critical approach* (7th ed.). St. Louis, MO: Elsevier. (Key=O-F)

Centers for Medicare and Medicaid (CMS). (2009). *State Operations Manual: Appendix L-Guidance for surveyors: Ambulatory Surgery Centers*. Retrieved from: https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/som107ap_1_ambulatory.pdf. (Key=CMS)

AORN Position Statements and endorsed documents are found at: <http://www.aorn.org/guidelines/clinical-resources/position-statements>



Domain 1: Preoperative Patient Assessment and Diagnosis (14%)

1. Confirm patient identity using two patient identifiers
2. Verify procedure, surgical consent, operative site, anesthesia plan, and side/site marking

Key Terms	AORN	Alex	B&K	O-F	CMS	Other
Universal Protocol	p. 1053	pp. 18; 675	pp. 20-22; 42			The Joint Commission. (2019). <i>Universal Protocol</i> . Retrieved from https://www.jointcommission.org/standards_information/up.aspx AORN Position Statement: Preventing Wrong-Patient, Wrong-Site, Wrong-Procedure Events
Informed consent (e.g., surgical, anesthesia, blood, photographs, visitors)	pp. 368; 371	pp. 888; 1003	pp. 41-44; 367	p. 73		

3. Assess health status of the patient
 - a. Collect and prioritize patient data (e.g., vital signs, pain assessment, allergies, lab values, other medical conditions, previous relevant surgical procedures, chart review, NPO status, family history)
 - b. Use age and sociocultural appropriate health assessment techniques (interview, observation, communication barriers)
 - c. Conduct medication reconciliation (e.g., home meds, preop meds, alternative/herbal meds, medical marijuana, alcohol use, recreational drug use)
 - d. Conduct physical assessment (e.g., skin integrity, mobility, body piercings, implants/foreign objects)

Key Terms	AORN	Alex	B&K	O-F	CMS	Other
Anatomy and physiology						See surgical specialty chapters, Alex , B&K, O-F
Pathophysiology						Recommended text: McCance K.L., & Huether, S.E. (latest edition). <i>Pathophysiology: The biologic basis of disease in adults and children</i> . St. Louis, MO: Elsevier.
Pharmacology (Medication reconciliation)	pp. 447-449; 454-456; 465	p. 625	pp. 412-413	Ch. 52	§416.48	AORN Endorsed Document: Joint Position Statement on Substance Use
Diagnostic procedures/results		Appendix A, pp. 1163-1167	pp. 365; 380	pp. 670-671	§416.49	Recommended text: Pagana K.D., & Pagana, T.J. (latest edition). <i>Mosby's diagnostic and laboratory test reference</i> . St. Louis, MO: Elsevier

Health assessment (e.g., vital signs, pain assessment, allergies, lab values, chart review, NPO status)	pp. 39; 430-432; 520-524	Chs. 10, 26, 27; p. 112	Chs. 7-9	Chs. 46; 48-50	§416.52	AORN Position Statement: Care of the Older Adult in Perioperative Settings American Society of Anesthesiologists Task Force on Preoperative Fasting. (2017). Practice guidelines for preoperative fasting and the use of pharmacologic agents to reduce the risk of pulmonary aspiration: Application to healthy patients undergoing elective procedures: An updated report. <i>Anesthesiology</i> 126(3), 376-393. Retrieved from https://anesthesiology.pubs.asahq.org/article.aspx?articleid=2596245&_ga=2.70175955.252221170.1579556626-1806471926.1579556626
Physical assessment (e.g., skin integrity, mobility, body piercings, implants/foreign objects)	pp. 636; 638; 844-845; 93-96	pp. 3-4; 160	pp. 121; 156-165	pp. 358-359		
Interview/communication techniques		pp. 539-540	pp. 25; 368; 370-371	pp. 385-388		
Antibiotic stewardship	p. 606	p. 60	pp. 84-85			
Advance directives/DNR		p. 33	pp. 44-45	p. 73		AORN Position Statement: Perioperative Care of Patients with Do-Not-Resuscitate Orders
4. Assess patient appropriateness for ambulatory setting						
Key Terms	AORN	Alex	B&K	O-F	CMS	Other
Selection criteria (e.g., BMI, ASA, sleep apnea, infectious disease, age)		pp. 109-111; 126	pp. 189-190		§416.52	
Pre-surgery risk assessment (e.g., medications, previous surgeries, special needs, comorbidities, preop instructions)		pp. 109-110	pp. 97-117; 189-190	Ch. 45, 46	§416.52	
Discharge needs	p. 534	pp. 109-110; 285; 1139	p. 193	pp. 21-22; 388; 730	§416.52	

5. Formulate nursing diagnoses						
Key Terms	AORN	Alex	B&K	O-F	CMS	Other
Approved nursing diagnoses (NANDA, PNDS)	pp. 363-364	p. 7-8	pp. 26-27			AORN Endorsed Document: ANA Position Statement on Inclusion of Recognized Terminologies within HER and other HIT Solutions Petersen, C. (Ed.). (2011). <i>Perioperative Nursing Data Set: The perioperative nursing vocabulary</i> . Denver, CO: Author.
6. Document preoperative assessment						
Key Terms	AORN	Alex	B&K	O-F	CMS	Other
Nursing process	p. 432	pp. 2-6	pp. 26-32			
Domain 2: Preoperative Plan of Care (12%)						
1. Develop a plan of care						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Physiologic responses: Risk of infection	pp. 188; 258; 1100	Ch. 4, pp. 54-106	pp. 124; 162; 189	pp. 52-54		
Physiologic responses: Altered tissue perfusion	pp. 635-637; 646-650	pp. 5; 144-149		Ch. 17		
Physiologic responses: Thermal regulation	Hypothermia, pp. 327-356	pp. 11(b), 561(b); 1000	pp. 52; 123; 155-156; 267-268; 616-617	Ch. 53		
Behavioral responses	Complementary Care Interventions pp. 37-49	p. 2	p. 95	pp. 664-666		
Disease processes						See surgical specialty chapters, Alex, B&K, O-F
Age-specific needs		Chs. 26,27	Chs. 8,9	Ch. 49, 50		Mower, J. (2015). Incorporating age-specific plans of care to achieve optimal perioperative outcomes. <i>AORN Journal</i> , 102(4), 369-388.

Transcultural nursing theory (e.g., cultural and ethnic influences, family patterns, spirituality and related practices			pp. 97; 374	pp. 70; 733; 741		
Patient rights and responsibilities		p. 31	p. 16	pp. 70; 90	§416.50	The American Association for Accreditation of Ambulatory Surgery Facilities, Inc. (2019). <i>Patient rights and responsibilities</i> . Retrieved from https://www.aaaasf.org/wp-content/uploads/2019/03/Patients-Rights-03212019.pdf
Universal protocol and transmission-based precautions	Transmission-based Precautions, pp. 1071-1098; Ambulatory Supplement: Transmission-based Precautions, pp. 1099-1100	pp. 62-67	pp. 254-256	Ch. 5	§4.6.51	AORN Endorsed Document: ANA Position Statement on Immunizations
2. Identify and plan for expected patient outcomes/postoperative needs (e.g., responsible supervision; transportation; sleep apnea						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Patient outcomes		pp. 5; 280	pp. 193; 852	pp. 21-22; 183-184; 388; 672-675		
Resources for patient/family education				p. 388		American Society of Anesthesiologists. (2018). <i>Obesity, sleep apnea, and anesthesia</i> . Retrieved from https://www.asahq.org/whensecondscount/wp-content/uploads/2018/10/ASA_Obesity-Sleep-Anesthesia.pdf

						American Society of Anesthesiologists. (2018). <i>Outpatient surgery and anesthesia</i> . Retrieved from https://www.asahq.org/whensecondscount/wp-content/uploads/2018/10/ASA_OP_Surgery-Anesthesia.pdf
Community networking and institutional resources (e.g., supplies, equipment, patient transfer agreements, courier service, emergency services)					\$416.52	
3. Adhere to Universal Protocol						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Legal responsibilities and implications for patient care	pp. 360-361	Ch. 2	Ch. 3		\$416.47	The Joint Commission. (2019). Universal Protocol. Retrieved from https://www.jointcommission.org/standards_information/up.aspx AORN Position Statement: Preventing Wrong-Patient, Wrong-Site, Wrong-Procedure Events
4. Conduct site preparation (e.g., hair removal; skin antisepsis)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Preoperative patient preparation (e.g., IV, removal of jewelry, hair removal)	pp. 92; 577-579; 584	pp. 160(b); 893	Chapter 21	Ch. 27		

5. Confirm availability of implant(s), supplies, and equipment						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Perioperative safety		pp. 21-31	Chs. 2, 13			AORN Position Statement: Patient Safety AORN Endorsed Document: Free from Harm: Accelerating Patient Safety Improvement 15 Years After
Domain 3: Intraoperative Care (20%)						
1. Optimize physiological responses of the patient						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Normothermia	Hypothermia, pp. 327-356	pp. 11(b), 561(b); 1000	pp. 52; 123; 155-156; 267-268; 616-617	Ch. 53		
Infection prevention/control	188; 258; 1100	Ch. 4, pp. 54-106	pp. 124; 162;189	pp. 52-54		
Perfusion	pp. 635-637; 646-650	pp. 5; 144-149		Ch. 17		
Surgical procedure		See specialty chapters	See specialty chapters			
Wound healing		pp. 244-247	pp. 559-584	Ch. 18		
2. Monitor and maintain patient and personnel safety						
12. Maintain the dignity, modesty, and privacy of the patient						
22. Utilize ergonomics and proper body mechanics in performing patient care.						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Chemical	pp. 134-139	pp. 29; 45-46	pp. 208; 220-222			
Fire	pp. 122-127	pp. 28-29	pp. 189; 218-220; 356			

Hazardous materials	pp. 139-140	(Radiation) pp. 48; 1124-1127 (Chemical/ drugs) 45-46	pp. 208; 220-222			
Radiation	Radiation Safety, pp. 715-751 Ambulatory Supplement, pp. 752-753	p. 48	pp. 107- 110		\$416.49	
Smoke plume	Surgical Smoke Safety, pp. 1007-1038	pp. 46-47; 237-238	p. 223			
Energy generating devices	Safe Use of Energy- Generating Devices, pp. 85-113	pp. 222-242	Ch. 20			
Positioning	Positioning the Patient, pp. 629-704	Ch. 6, pp. 142-175	Ch. 26, pp. 479-498	pp. 354- 355		
Potential complications		See specialty chapters	Ch. 31, pp. 591-620	Ch. 29		
Patient/personnel safety	Safe Patient Handling and Movement, pp. 809-858	Chs. 2, 3	Ch. 13	Ch. 7	\$482.26 (b)	
Ergonomics/body mechanics	pp. 814,848	pp. 38-41	pp. 209- 211			
3. Optimize patient care based on behavioral responses (e.g., comfort, anxiety, pain management; sociocultural and/or ethical issues)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Pain management		pp. 261-286; 273f; 278b	pp. 124- 127; 588	Ch. 24, 25, 31		

4. Prepare the surgical site						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Skin prep antiseptics	Patient skin antiseptics, pp. 571-597	Ch. 4, pp. 98-110	Ch. 26, pp. 499-506			
5. Select procedure-specific protective materials and equipment (e.g., lead aprons, laser goggles, smoke evacuators, extinguishers)						
11. Test and use equipment according to manufacturer's recommendations						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Manufacturer's instructions for use (IFU)	See specific guideline	pp. 586-587				
Instruments, supplies, equipment: Lead aprons	pp. 725-726; 731-732	p. 194	p. 213			
Instruments, supplies, equipment: Laser goggles	p. 103	pp. 233-235	p. 355			
Instruments, supplies, equipment: Smoke evacuator	Surgical Smoke Safety, pp. 1007-1038	pp. 237-238	p. 223			
Instruments, supplies, equipment: fire extinguisher	p. 126		pp. 219-220			
17. Prepare and label solutions, medications, and medication containers						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Timing, labeling, redosing	Medication Safety, pp. 443-479 Ambulatory Supplement, pp. 480-481		p. 409			
8. Identify and control environment factors (e.g., humidity, noise, temperature, traffic)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
HVAC	pp. 59-60; 66; 75-76; 192-193	p. 76	p. 254			AORN Position Statement: HVAC Interim Guidance Statement AORN Endorsed Document: Joint Commission- OR Relative Humidity

Noise	pp. 119-121	p. 51	p. 208			AORN Position Statement: Managing Distractions and Noise
Traffic patterns	pp. 72; 965	pp. 86-88	p. 254			
9. Maintain a sterile field using aseptic technique						
10. Ensure the sterility of surgical products and instrumentation (e.g., expiration date, package integrity)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Aseptic technique	pp. 919-957	p. 62; 84-86	pp. 15-16			
Expiration date, package integrity	pp. 935-938	p. 86	pp. 256-257	p. 672		
Wound classifications	pp. 948-949	p. 250	pp. 562-563			CDC. (2020, January). <i>Surgical site infection event</i> . Retrieved from https://www.cdc.gov/nhsn/pdfs/pscmanual/9pscscscurrent.pdf
13. Verify and document specimens with surgical team						
14. Prepare, label, and transport specimens						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Specimen management	Specimen Management, pp. 883-916	pp. 26-27	pp. 24-25; 256; 380-382; 464; 469			
15. Confirm, present, and prepare implants						
16. Prepare explants for final disposition						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Implants, preparation, explants	pp. 897-899; 909; 909	pp. 683-684; 728; 740; 807-808; 816; 829; 846-848	pp. 553-554			
6. Monitor and evaluate the effects of pharmacological and anesthetic agents						
7. Assist with anesthesia management (e.g., induction, airway protection, extubation, cricoid pressure)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Anesthesia management (e.g., airway maintenance, reversal agents, and antagonists)		Ch. 5, pp. 107-141	Ch. 24, pp. 414-446	p. 672; Chs. 20-23		Online drug formulary www.epocrates.com

18. Perform counts						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Surgical Counts	Prevention of Retained Surgical Items, pp. 755-804; Ambulatory Supplement: Retained Surgical Items, pp. 805	pp. 25-26	pp. 22-23; 458; 471-475; 606; 762			
19. Adhere to Universal Protocol (e.g., time out, WHO checklist, National Patient Safety Goals (NPSGs))						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Time Out	pp. 641; 1041, 1046, 1053-1056, 1061	pp. 29, 112, 301, 308, 461	pp. 20-21, 42, 54			The Joint Commission. (2019). Universal Protocol. Retrieved from https://www.jointcommission.org/standards-information/up.aspx
WHO checklist	pp. 1054-1055, 1059	pp. 19-21				WHO. (2009). <i>Surgical Safety Checklist</i> . Retrieved from https://www.who.int/patientsafety/safesurgery/checklist/en/
NPSGs		pp. 17-18	p. 41			The Joint Commission. (2020). National Patient Safety Goals: Ambulatory Health Care Accreditation Program. Retrieved from https://www.jointcommission.org/-/media/tjc/documents/standards/national-patient-safety-goals/npsg_chapter_ahc_jan2020.pdf
21. Manage patient hemodynamic needs (e.g., fluid replacement)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Hemodynamic needs	pp. 492-498	pp. 135-137; 1000	pp. 121; 608-609	pp. 200-201; 206-211		

23. Prepare, label, and administer moderate and local sedation/analgesia with appropriate monitoring (e.g., capnography; pulse oximeter)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Moderate/local sedation/analgesia with appropriate monitoring	Moderate Sedation/ Analgesia, pp. 515-549	pp. 113, 133	pp. 416, 433	p. 672		
Domain 4: Communication (12%)						
1. Communicate patient status and changes to interdisciplinary healthcare providers						
2. Utilize effective communication for continuity of patient care (e.g., hand-off, debrief)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Methods and requirements for reporting to interdisciplinary healthcare providers (e.g., critical lab values, medical condition, medications, allergies, implants/implantable devices, read back orders)	pp. 23; 368; 450; 898; 902; 911; 1047-1048; 1061					Agency for Healthcare Research and Quality (AHRQ). (2005). <i>Improving patient safety by repeating (read back) telephone reports of critical information</i> . Retrieved from https://psnet.ahrq.gov/issue/improving-patient-safety-repeating-read-back-telephone-reports-critical-information LabCorp. (2019). <i>Critical values</i> . Retrieved from https://www.labcorp.com/resource/critical-values
Hand-offs/debriefings	pp. 1041; 1046-1052; 1056; 1060		pp. 261, 262b	pp. 348-351		
3. Provide information to the patient/family according to HIPAA guidelines						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Information technology (e.g., software applications, security rules, HIPAA)	Information Management, pp. 357-386	p. 201b	pp. 18, 40, 97	pp. 351-354	\$416.50 (g)	US Department of Health and Human Services. (1996). <i>Health Insurance Portability and Accountability Act</i> . Retrieved from https://www.hhs.gov/hipaa/for-professionals/index.html

4. Identify barriers to sociocultural communication and participate in implementing effective solutions						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Barriers to communication (e.g., patient, family, team, chain of command)	Team Communication, pp. 1043-1047	pp. 539-540 <i>b</i> ; 625; 781(<i>b</i>)		Ch. 28		CDC. (2019). <i>What is health literacy?</i> Retrieved from https://www.cdc.gov/healthliteracy/learn/index.html
5. Provide and document perioperative education						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Perioperative patient education/interview techniques		pp. 590; 625	pp. 25; 370-371	Ch. 28		
6. Promote culture of safety through workplace civility and team communication						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Communication techniques ((e.g., patient, family, team, chain of command)	Team Communication, pp. 1039-1069	pp. 6 <i>b</i> ; 534 <i>b</i> ; 1156 <i>t</i>	pp. 11-12, 189	pp. 13-14;34 8-355		
Domain 5: Postoperative/Transfer of Care (10%)						
1. Collaborate with interdisciplinary services						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Interdisciplinary services for care coordination (e.g., nutrition, wound care, social work, referrals, transportation, convalescent center, physical therapy)		pp. 251, 290, 299	pp. 667		\$416.52	
Community-based resources (e.g., visiting nurse; physical therapy)				pp. 674-675		American Society of Anesthesiologists. <i>Perioperative Surgical Home</i> . (2020). Retrieved from https://www.asahq.org/psh
2. Evaluate patient status to facilitate transfer to the next level of care (e.g., PACU, home, rehab facility, hospital, 23-hour obs)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Transfer of care (e.g., home, hospital, rehab)		pp. 281; 1139	p. 193	Ch. 26	\$416.52 (c)(1)	

3. Document patient care						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
	Information Management, pp. 357-386			p. 21		
4. Provide and document post-discharge follow-up communication according to regulatory guidelines						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Regulatory guidelines concerning postoperative follow-up (e.g., phone calls, appointments)		p. 18	pp. 192-193	pp. 21-22; 675	\$416.5 (c)	
5. Assist with management of airway, pain, and hemodynamic monitoring						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Pain management (e.g., ERAS, multi-modal, regional blocks)		pp. 113, 123 <i>b</i> ; 129-133; 899 <i>b</i>	pp. 416; 435-444	pp. 329-346; 673-675; 726		
Airway management		pp. 124-128; 265-266; 999	pp. 417-418; 467; 592-593	Ch. 30; pp. 673-675		
Hemodynamic monitoring		pp. 222; 267; 921; 940 <i>t</i>	pp. 162; 518 <i>t</i> ; 520; 595-596	pp. 673-675		
6. Maintain intake and output as expected for discharge criteria						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Discharge criteria, I&O		p. 1139	pp. 192-195	pp. 21-22; 673-675	\$416.52	

Domain 6: Instrument Processing and Supply Management (8%)

1. Select appropriate methods and products for processing (e.g., cleaning, disinfecting, packaging, sterilizing, transportation, storage)

Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Cleaning products and techniques (e.g., manual washing, ultrasonic)	Instrument cleaning, pp. 387-425	pp. 70-71	pp. 284-288			
Packaging techniques (e.g., crates, peel packs, wraps)	Packaging systems, pp. 551-570	pp. 72-74	pp. 304-307			
Transportation of equipment, instruments, and supplies	pp. 158; 201-202; 306-308; 395; 965-966	pp. 75-76	pp. 322-323			

2. Perform and document disinfection procedures (e.g., high-level disinfection and decontamination)

Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Disinfecting techniques (e.g., high level)	High-level disinfection, pp. 299-326; Flexible endoscopes, pp. 183-272	p. 83	pp. 289-297			

3. Handle and dispose of hazardous materials (e.g., chemo drugs, radioactive materials)

Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Hazardous materials exposure	(Radiation) pp. 135; 139-140; 447 (Chemo) 458-461; 480	(Radiation) pp. 48; 1124-1127 (Chemical/ drugs) pp. 45-46	pp. 208-220			

4. Handle and dispose of biohazard materials (e.g., blood, tissue)

Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Biohazardous materials (e.g., blood)	pp. 42; 57-59	pp. 62-66	pp. 222-224; 448	p. 45		

5. Perform and document sterilization procedures including biological and chemical monitoring (e.g., load parameters, steam sterilization, low-temperature sterilization)						
8. Perform and document immediate use steam sterilization (IUSS)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Sterilization techniques (e.g., immediate use (IUSS), load parameters, steam sterilization, low-temperature sterilization)	Sterilization, pp. 959-987	pp. 74-82	pp. 307-320			
Documentation requirements for instrument sterilization including biological and chemical monitoring	pp. 975-980	pp. 76-78	pp. 301-302			
6. Monitor environmental conditions of sterilization and storage areas						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Quality assurance testing (e.g., washer-disinfector, sterilizer)	p. 416	pp. 76-78	pp. 320-323			
Storage of equipment, instruments, and supplies	pp. 65; 313-314; 966-967	pp. 75-76	pp. 322-323	Ch. 1		
7. Coordinate materials and instruments provided by external sources (e.g., loaner instruments)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Regulatory requirements for tracking of equipment, instruments, and supplies provided by external sources	pp. 391-393; 420; 558	p. 82	p. 322			AORN Position Statement: Role of the Healthcare Industry Representative in the Perioperative Setting
Domain 7: Emergency Situations (5%)						
1. Perform nursing interventions based on age-specific needs						
2. Coordinate members of the interdisciplinary healthcare team during internal/external emergency situations						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Preparation for and management of medical emergencies: Malignant Hyperthermia (MH)	p. 330	pp. 138-139; 1008	pp. 124; 418; 617-619	pp. 6-7b; 406, 766-772		Malignant Hyperthermia Association of the United States (MHAUS) www.mhaus.org
Preparation for and management of medical emergencies: Anaphylaxis			pp. 242; 444	pp. 238-240; 413-416		

Preparation for and management of medical emergencies: Cardiac arrest	pp. 492; 436; 506		pp. 599-600; 603-606	Ch. 57		
Preparation for and management of medical emergencies: Hemorrhage		pp. 135; 1104-1105	pp. 609; 616	pp. 398; 413; 526-527		
3. Protect patient and resources from environmental hazards and during disasters						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Roles of the interdisciplinary healthcare team during internal/external emergency situations (e.g., triage, FEMA, EMS, community resources)	pp. 504-505	p. 1094		Ch. 4		Ambulatory Surgery Center Association. <i>Emergency preparedness</i> .(n.d.). Retrieved from https://www.ascassociation.org/federalregulations/emergency-preparedness Federal Emergency Management Agency (FEMA). Retrieved from www.fema.gov
Preparations for and management of environmental hazards and natural disasters (e.g., fire, toxic fumes, natural disasters, terrorism, power outage, active shooter)	pp. 71-74; 122-127	pp. 51-52; 67; 246-247; 1094	pp. 86; 189; 219-220; 256	Ch. 56	\$416.44 (c)	
Domain 8: Management of Personnel, Services, and Materials (9%)						
1. Acquire equipment, supplies, and personnel 10. Coordinate and document preventive maintenance of equipment 12. Monitor availability and sterility of supplies						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Perioperative resource management (e.g., equipment, supplies, staffing)	pp. 431-432		pp. 77-78; 88-90; 92	p. 32		AORN Position Statement: Safe Staffing and On-Call Practices
3. Participate in product evaluation, selection, and recall						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Product evaluation processes (e.g., cost benefit analysis); p. 980-981	Product Evaluation, pp. 705-713; 978-979		pp. 92; 477-478			AORN Position Statements: Environmental Responsibility Healthy Perioperative Practice Environment
4. Supervise, educate, and mentor healthcare team members						

5. Delegate perioperative tasks to appropriate personnel within their scope of practice						
6. Supervise non-OR personnel (e.g., vendors, students, visitors, family)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Adjunct roles, assigned staff, and responsibilities (e.g., medication safety, laser safety, employee health, Privacy officer, Facility officer, Risk manager, infection prevention)			Chs. 4, 5, 6		\$416.46	AORN Position Statements: Responsibility for Mentoring Allied Health Care Providers and Support Personnel in the Perioperative Setting Orientation of the Registered Nurse and Surgical Technologist
Role of non-perioperative personnel (e.g., vendor, students, visitors, family; medical records, admissions)			(Student) pp. 2-3 (Family) pp. 97; 371; 401	(Family) pp. 707; 798		AORN Position Statements: Allied Health Care Providers and Support Personnel in the Perioperative Setting Value of Clinical Learning Activities in the Periop Setting in Undergraduate Nursing Curricula
Scope of practice for the interdisciplinary team per regulatory agencies (e.g., Nurse Practice Act)	See individual guidelines	pp. 12-13	pp. 33-34; Chapter 4, pp. 53-74			
2. Monitor and assist with implementation of cost-containment measures						
7. Implement environmental sustainability practices (e.g., reprocessing, recycling)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Waste management (e.g., reprocessing to include single-use devices, supply standardization)	pp. 91; 304-305; 963-964; 1076	p. 84	pp. 297-299			
8. Ensure use of Personal Protective Equipment (PPE)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Personal Protective Equipment (PPE)	p. 876	pp. 42-43; 65	pp. 255; 264; 270-271	pp. 48-49		

9. Oversee environmental cleaning (e.g., spills, room turnover, terminal cleaning)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Environmental management ((e.g., spills, room turnover, terminal cleaning, physical plant)	Environ-mental cleaning, pp. 151-182	pp. 103-104	pp. 202-205		\$416.44 (a)	
11. Track biological implants (e.g., order, reconstitute, storage, use/waste)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Implant management (e.g., regulatory and manufacturers' instructions for use)	Autologous Tissue Management, pp. 1-33		pp. 553-557			
13. Monitor radiation safety						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Radiation safety (e.g., dosimetry badges, time, distance, shielding, lead protection)	Radiation Safety, pp. 715-751; Ambulatory Supplement, pp. 752-753	pp. 1122-1127	pp. 212, 214	pp. 763-764	\$416.49	
Domain 9: Professional Accountability (10%)						
1. Protect patient confidentiality						
2. Advocate for and protect patients' rights						
10. Report unanticipated events and good catches						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Patient's rights and advocacy	pp. 140; 370-372; 1041	pp. 1-2	pp. 16; 18; 39-40; 46	pp. 73; 82; 94; 348	\$416.50	

3. Perform functions within scope of practice						
11. Comply with regulatory and accreditation guidelines (e.g., life safety)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Local, state, and federal regulatory requirements (FDA, CDC, CMS, OSHA, DEA)	p. 367	pp. 18-19	pp. 187-189	Ch. 7	\$416.40	<p>Accreditation Association of Ambulatory Health Care (AAAHC) www.aaahc.org</p> <p>American Association for the Accreditation of Ambulatory Surgery Facilities (AAAASF) www.aaaasf.org)</p> <p>Ambulatory Surgery Center Association (ASCA) www.ascassociation.org</p> <p>Centers for Disease Control and Prevention (CDC) www.cdc.gov</p> <p>Centers for Medicare and Medicaid (CMS) www.cms.org</p> <p>United States Drug Enforcement Administration (DEA) www.dea.gov</p> <p>US Food and Drug Administration (FDA) www.fda.gov</p> <p>The Joint Commission www.jointcommission.org</p> <p>Occupational Safety and Health Administration (OSHA) www.osha.gov</p>
Principles of delegation		pp. 7-8	p. 89			National Council of State Boards of Nursing (NCSBN) www.ncsbn.org

4. Demonstrate competency in perioperative nursing practice
 5. Acknowledge personal bias and limitations and seek assistance as needed
 9. Utilize standards and recommended practices (e.g., AORN, APIC, AAMI, IAHCSSM, ASPAN)
 12. Demonstrate evidence-based practice (e.g., hand hygiene, safe injection practices; surgical attire)

Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Accreditation standards and organization guidelines (e.g., AORN Guidelines for Perioperative Nursing, Perioperative Explications for the ANA Code of Ethics for Nurses, ASPAN, APIC, AAMI)	pp. 507-508	pp. 2-9	pp. 16-18	pp. 22-23; 75		<p>American Academy of Ambulatory Care Nurses (AAACN) www.aaacn.org</p> <p>Association for the Advancement of Medical Instrumentation (AAMI) www.aami.org</p> <p>Association for perioperative Registered Nurses (AORN) (2020). <i>Guidelines for perioperative practice</i>. Denver, CO: Author.</p> <p>AORN Ambulatory Surgery Center Solutions. Retrieved from https://www.aorn.org/education/facility-solutions/ambulatory-surgery-center</p> <p>AORN. Perioperative Explications for the ANA Code of Ethics for Nurses. (2015). https://www.aorn.org/search#q=perioperative%20explications (member only)</p> <p>Association for Professionals in Infection Control and Epidemiology (APIC) www.apic.org</p> <p>American Society of PeriAnesthesia Nurses (ASPAN) www.aspan.org</p> <p>American Society of PeriAnesthesia Nurses (ASPAN) (2019-2020). PeriAnesthesia nursing standards, practice recommendations and interpretive statements. Cherry Hill, NJ..</p>
Maintaining required competencies	See individual guidelines	pp. 1-2	pp. 25-26	pp. 28-32; 348		AORN Position Statement: Perioperative Nursing Certification

EBP: Hand hygiene	Hand hygiene, pp. 273-297	pp. 19-20; 66; 89; 248-249	pp. 263-282	p. 47		CDC. (2016). <i>Hand hygiene in healthcare settings</i> . Retrieved from https://www.cdc.gov/handhygiene/providers/guideline.html
EBP: Safe injection practices	pp. 452-454	p. 29	pp. 407-409	p. 56		
EBP: Surgical attire	Surgical attire, pp. 989-1005	pp. 88-90; 92-98	pp. 263-282			
6. Identify and take appropriate action regarding behaviors that undermine a culture of safety (e.g., disruptive behavior)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Responsibilities regarding behaviors that undermine a culture of safety	Team Communications, pp. 1039-1047	pp. 43-44	pp. 11-12; 89	pp. 74; 82		AORN Position Statements for: Criminalization of Human Errors Safe Staffing and On-Call Practices Responsibility for Mentoring AORN Endorsed Document: ANA Position Statement on Incivility, Bullying, and Workplace Violence
7. Participate in professional development activities (e.g., shared governance, staff education, committees, certifications, advanced degrees, professional organizations)						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Professional development resources	AORN (aorn.org)	pp. 16-19	Ch. 4	pp. 28; 31		CCI (www.cc-institute.org)
8. Participate in quality improvement activities						
Key phrases	AORN	Alex	B&K	O-F	CMS	Other
Risk management (e.g., event reporting, good catch, disclosure of unanticipated events, recalls, Safe Medical Device Act)	pp. 140; 465; 796-797; 848; 912	p. 17	pp. 40-41; 224-225			The Joint Commission. (2020). Ambulatory health care sentinel event policy and procedure; Office-based surgery sentinel event policy and procedure. Retrieved from https://www.jointcommission.org/en/resources/patient-safety-topics/sentinel-event/sentinel-event-policy-and-procedures/

						Safe Medical Device Act. Retrieved from https://www.fda.gov/medical-devices/mandatory-reporting-requirements-manufacturers-importers-and-device-user-facilities/medical-device-reporting-regulation-history
Quality improvement processes (e.g., research, data collection, evidence-based practice, performance improvement; CMS quality measure; reimbursements)	See listings under <i>performance improvement</i> , p. 1145; <i>quality assurance programs</i> , p. 1146	pp. 9-11; 18-19	pp. 26; 34; 41	p. 23; Ch. 9	§416.43	