

2023-2024



Surgical Technology



FADavis.com



DEAR EDUCATOR,

Our Surgical Technology titles span the curriculum and reflect our commitment to listening to your needs and responding with the content, resources, and support that ensure outstanding outcomes for your students. We are pleased to offer innovative solutions that enhance learning with today's best technology.

Engaging students. Empowering educators.

Surgical Technology Review: Certification & Professionalism, 2nd Edition now includes **Davis Edge**, our online Q&A platform designed to challenge your students and assess their understanding of the content. Detailed rationales for correct and incorrect responses provide immediate feedback and remediation. Actionable analytics provide instructors and students with the information they need to track their progress every step of the way. See page 12 to learn how this new edition works with Davis Edge to prepare students for success on their NBSTSA certification exams.

Differentiating Surgical Instruments, 3rd Edition and ***Surgical Equipment and Supplies, 3rd Edition*** offer **Surg Tech in Practice**, an online platform that features an ebook version of the text and self-grading activities for each chapter in the book. For instructors, it provides ready-made assignments designed to build student knowledge from recall to application. Detailed analytics identify the areas in which students are struggling, enabling you to intervene in class and on assignments to ensure that they succeed. You'll find a complete description of this exciting technology and enhancements to the texts inside.

Building the future.

Thank you for all the feedback you have shared through surveys, personal emails, focus groups, and textbook reviews. Your comments are invaluable to us as we develop new resources to meet your evolving needs. We look forward to hearing from you to discuss how our content can enrich your curriculum.

Sincerely,

Christa A. Fratantoro
Publisher
Health Professions

QUESTIONS?

Contact us at Hello@FADavis.com
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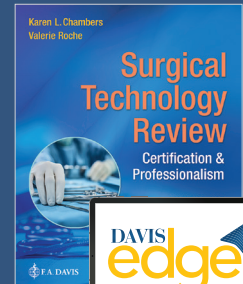
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Resources for Success

Chambers | Roche

Surgical Technology Review



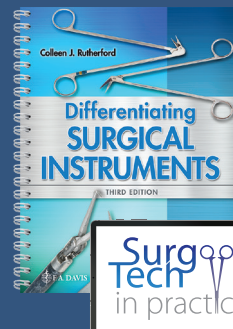
Certification & Professionalism, 2nd Edition

Prepare your students for certification success with in-depth content review plus practice questions. Now included is FREE access to Davis Edge online quizzing.

See page 12 for details.

Rutherford

Differentiating Surgical Instruments

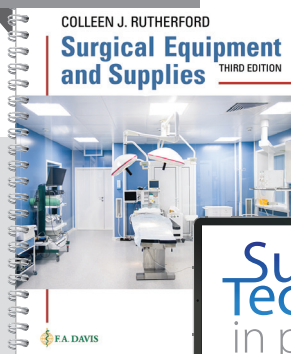


3rd Edition

Help your students learn to identify instruments and apply concepts to practice, while tracking their progress every step of the way with Surg Tech in Practice.

See page 4 for details.

NEW EDITION!



NEW FOR 2023-2024



Rutherford

Surgical Equipment & Supplies

3rd Edition

Equip your students with the knowledge they need to identify over 730 surgical supplies and equipment. Now included is FREE access to Surg Tech in Practice.

See page 8 for details.



Print + eBook + Surg Tech in Practice

240 pages | 1,425 illustrations
Soft cover, spiral binding | 2020

\$90.95 (US)

ISBN-13: 978-0-8036-6831-7

Access Card for Online Access: eBook + Surg Tech in Practice

\$70.95 (US)

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Instructor

- Surg Tech in Practice + eBook
- Image Bank & Test Bank
- PowerPoints
- Instructor's Guide

Student

- Surg Tech in Practice + eBook

CONTENTS

1. Instruments, Care of Instruments, and Setup Guidelines
2. General Instruments
3. Laparoscopic Instruments
4. Robotic Instruments
5. OB-GYN Instruments
6. Urology Instruments
7. Orthopedic Instruments
8. Neurosurgical Instruments
9. Vascular, Thoracic, and Cardiac Instruments
10. Ear, Nose, and Throat Instruments
11. Dental and Maxillofacial Instruments
12. Ophthalmic Instruments
13. Plastic Surgery Instruments

Appendix: Answer Key to Surgical Session Questions & Labeling Exercises

Differentiating Surgical Instruments 3rd Edition

Colleen J. Rutherford, RN, MSN

Ensure your students can differentiate between similar looking instruments.

Differentiating Surgical Instruments, 3rd Edition and the online program, **Surg Tech in Practice**, work together to help your students master a seemingly overwhelming number of surgical instruments.

TEXT

Give your students a close-up look at more than 800 cutting, clamping, grasping, retracting, and other instruments, along with brief descriptions. Full-color photographs show both the complete instrument and its tip to help students learn to distinguish among them.

- **Updated & Expanded!** Coverage of more instruments and advances in surgical procedures
- **Updated & Revised!** Categories of surgical instruments to reflect commonly accepted terminology
- **New Chapter!** *Instruments, Care of Instruments, and Setup Guidelines*, featuring a brief introduction to surgical instruments and expanded content on instrument handling, cleaning, and sterilization
- Organized based on surgical specialties
- “Surgical Sessions,” review questions and critical-thinking scenarios at the end of every chapter

SURG TECH IN PRACTICE

This innovative online program offers a wealth of recall and application activities to help students learn to identify key instruments and apply concepts to practice.

- Labeling and photo identification, differentiation activities, and mayo stand exercises, as well as case-based critical-thinking questions
- Self-grading for immediate feedback as assignment is completed
- A gradebook that tracks each student's progress and identifies where they need to focus their studies
- eBook version of the text for study anytime, anywhere



Excellent instrument book.

“HIGHLY suggest to anyone having to learn instruments. This book is very informational and will not disappoint.”

—Carolyn S., Online Reviewer

Learn more. Schedule a walkthrough. Request preview access.

Hello@FADavis.com | FADavis.com/SurgTech

INSTRUMENTS

Classes | eBook | Resources

Class Set-up

Create Class | Customize Content | Schedule Content | Grading Options | Comprehensive Assessments | Summary

Let's make sure the content works for your course.
 On this page, you can customize your content by turning content "on" or "off" and reordering the content to match the scope and progression of your class. The directions on the right side of the page explain how to make changes. Once you are satisfied with the content, click on "Next Step" to move to scheduling.

Status	Module	Topics Active	Details	Reorder
ON	Instruments, Care of Instruments, and ...	4 / 4	Details -	+
ON	Identify the Part		Preview Content	
ON	Identify the Instrument		Preview Content	
ON	Apply in Practice		Preview Content	
ON	Additional Practice		Preview Content	
OFF	General Laparoscopic Instruments	4 / 4	Details -	+
ON	Robotic Instruments	3 / 3	Details -	+
ON	OBGYN Instruments	3 / 3	Details -	+
OFF	Urology Instruments	3 / 3	Details -	+
OFF	Orthopedic Instruments	3 / 3	Details -	+
ON	Neurosurgical Instruments	3 / 3	Details -	+
ON	Cardiothoracic and Vascular Instruments	3 / 3	Details -	+
ON	Ear, Nose and Throat Instruments	3 / 3	Details -	+
ON	Dental and Maxillofacial Instruments	3 / 3	Details -	+
ON	Ophthalmic Instruments	3 / 3	Details -	+
ON	Plastic Surgery Instruments	5 / 5	Details -	+

ON

Not teaching certain content?

All modules default to "on." To remove entire modules, turn off the module by clicking on the green button next to the module name.

Details

Want to view or customize the topics in a module?

Click on the "Details" button to expand the module view. You can turn on or off specific topics within the module.

Preview Content

Want to preview the content?

Click on the preview button next to any topic or module assessment. The preview content will pop up in another window. After previewing the content, close the window to return to this screen.

+

Teaching the modules in a different order?

Click on the arrows and drag the modules into your preferred sequence.

Gradebook
eBook

MAXIMIZE CLASS TIME. TRACK PROGRESS. BUILD CONFIDENCE.

Whether you are teaching traditionally or virtually, **Surg Tech in Practice** encourages a student-directed learning experience that is engaging and interactive, while providing quick assessments and actionable analytics for remediation.

Setting up your class is easy. Create the class that meets your unique needs, reflects the content you teach, and aligns with your goals.

Gradebook : Surg Tech Class 101

Grades may be viewed by class or by student. To export the gradebook, click on the blue export button.

Batch Manage LMS User Names
Export Gradebook

CLASS
STUDENT

Assignment: Robotic Instruments Search: Search by Student Name ✕

For Class: Accept Late Work Extend Due Date Reset Assignment

Student Name	Due Date ↕	Date Completed ↕	Exported Grade	Actions
Aswal, Vivek	7/3/19	7/3/19	76	Accept Late Work Extend Due Date Reset Assignment
Dubey, Ravi	7/3/19	7/3/19	100	Accept Late Work Extend Due Date Reset Assignment
Hamilton, Tom	7/3/19	7/3/19	87	Accept Late Work Extend Due Date Reset Assignment
Olin, Samantha	7/3/19	7/3/19	92	Accept Late Work Extend Due Date Reset Assignment

The **Instructor Gradebook** provides real-time information on your students' performance, as individuals and as a class, by identifying their strengths and weaknesses, and enabling you to focus on the topics that require remediation in class and on assignments.

INSTRUMENTS

General Instruments

[Return to Assignments](#)


Knife Assembly

Drag the correct blade and the correct handle into the appropriate spaces. Then click to Submit.

2. Use this assembly to make a skin incision.

Drop image here


Blade



#10 blade

Drop image here

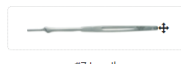
Handle



#12 blade

Drop image here


#7 handle



#7 handle

Drop image here

#4 handle



#4 handle

Recall and application activities help students learn to identify instruments and apply concepts to practice. Self-grading provides **immediate feedback** as each assignment is completed.

The **Student Dashboard** provides an at-a-glance overview of each student's progress and identifies areas for additional study.

Assignments

[eBook](#)




Feedback

0 out of 10 correct. To make sure you get the most out of your assignment, review the questions, answers and feedback.


Question 2 of 10

[Previous](#) [Next](#)


2. Use this assembly to make a skin incision.



Blade




Handle



#10 blade

#12 blade

#7 handle



#4 handle

[SHOW CORRECT ANSWER](#)

INCORRECT



RETURN TO RESULTS

Ready to move on? Go back to my results.

Metrics

Class Surg Tech Class 101

How Do I Stack Up?

My Performance Overall

Participation Rate on Assignments

My Participation **90%**

Class Participation **35%**

Average Score on Assignments

My Average **70%**

Class Average **20%**

Average Time Spent on Assignments



My Strengths (Top 5 Chapters)

Instruments, Care of... **100%**

General Instruments **100%**

Laparoscopic Instruments **83%**

My Weaknesses (Bottom 5 Chapters)

Robotic Instruments **30%**

OB-GYN Instruments **14%**

My Performance by Chapter and Module

Chapters	Time Spent on the Assignment	Date Completed	Rating	Score	Details
Orthopedic Instruments	28 Min 19 Sec	02/15/19, 8:02 AM		90	Details
Identify the Part	01 Min 42 Sec	02/15/19, 8:02 AM		80	Review
Identify the Instrument	01 Min 42 Sec	02/15/19, 8:02 AM		100	Review
Identify the Use	01 Min 42 Sec	02/15/19, 8:02 AM		100	Review
Urology Instruments	28 Min 19 Sec	02/15/19, 8:02 AM		30	Details

85% - 100%

70% - 84%

< 69%

Request a personal walkthrough today!

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INSTRUMENTS



249 full-color cards | 2013
\$59.95 (US)
ISBN-13: 978-0-8036-2897-7

CONTENTS

1. General Instruments
2. Staplers
3. General Supplies and Equipment
4. Laparoscopic Instruments
5. Laparoscopic Supplies and Equipment
6. OB-GYN Instruments
7. OB-GYN Supplies and Equipment
8. Robotic Instruments
9. Robotic Supplies and Equipment
10. Basic Ortho Instruments
11. Basic Ortho Supplies and Equipment



Best flash cards ever!

"... amazing!!! They go into extreme detail and have a really detailed picture on the other side. They are also sectioned off and come with a ring to place them on."

—Online Reviewer

Flashcards for Differentiating Surgical Instruments

General, Laparoscopic, OB-GYN, Robotic & Basic Ortho

Colleen J. Rutherford, RN, MSN

A hands-on way to practice identifying instruments, supplies, and equipment.

- 249 cards illustrating the instruments, equipment, and supplies most commonly used for general, laparoscopic, robotic, OB/GYN, and basic orthopedic procedures
- 10 fun activities for using the cards to study alone or in a group
- A fold-out "Mayo Stand"—perfect for practicing instrument set-up for various surgical procedures
- Hole-punch in each card and a metal ring to let your students carry just the cards they need wherever they go

GENERAL

4 **GENERAL**

FOERSTER SPONGE FORCEPS

Alias: sponge stick; sponge-holding forceps

Category: grasping

Use: grasping tissue; holding Raytec sponges

Additional Information: smooth or serrated jaws; straight or curved shank

Flashcards for Differentiating Surgical Instruments • © 2012 F. A. Davis Company

Cards are shown at reduced size. Actual card size is 4 x 6.

NEW EDITION!

COLLEEN J. RUTHERFORD

Surgical Equipment and Supplies THIRD EDITION



276 pages | 730 full-color illustrations
Soft cover, spiral binding | 2023
\$87.95 (US)
ISBN-13: 978-1-7196-4841-7



Instructor

- SurgTech in Practice + eBook
- Test Bank
- Image Bank
- PowerPoints
- Instructor's Guide
- Podcast

Student

- SurgTech in Practice + eBook

CONTENTS

1. Aseptic Technique, Sterilization, OR Attire, National Time Out, and Hand Hygiene
 2. Common Equipment and Supplies
 3. General Surgical Supplies and Splints
 4. Tubes, Drains, and Catheters
 5. Suture and Suture Needles
 6. Microscopes
 7. Lasers
 8. Endoscopic Equipment
 9. Robotics
 10. Specialty Equipment
 11. Anesthesia Supplies and Equipment
- Appendix: Answers to Surgical Review Questions



Five Stars! "This book should be a required text for OR nursing and Surg Tech students."

—Carl H., Online Reviewer

Now with **SURG TECH IN PRACTICE!**

Surgical Equipment and Supplies, 3rd Edition

Colleen J. Rutherford, RN, MSN

How well do your students recognize the equipment and supplies used in the OR?

TEXT

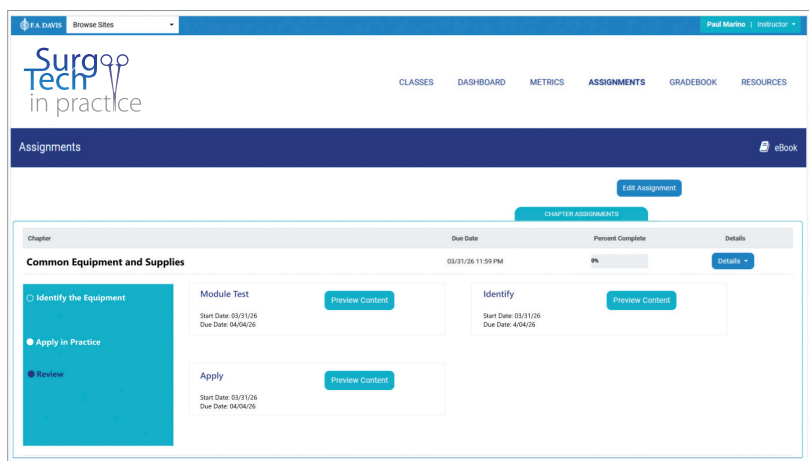
Here's your students' go-to guide. This spiral-bound text and photo atlas delivers the information they need to know about surgical equipment and supplies—their uses and their specifications—in one visual reference with more than 730 full-color photographs.

- **New Chapters!** *Microscopes, Robotics, and Aseptic Technique, Sterilization, OR Attire, National Time Out, and Hand Hygiene*
- **Revised!** Streamlined section on medication to focus on those most commonly used in the surgical field, in emergencies, or by the anesthesia provider

SURG TECH IN PRACTICE

This innovative online program offers a wealth of recall and application activities to help students learn to identify key surgical equipment and supplies and understand their use in practice.

- Labeling and photo identification, differentiation activities, and review questions to ensure comprehension
- Self-grading for immediate feedback as assignment is completed
- A gradebook that tracks each student's progress and identifies where they need to focus their studies
- eBook version of the text for study anytime, anywhere



Modules within **Surg Tech in Practice** allow students to practice applying their knowledge and review their understanding.

Multiple-choice review questions ensure students fully understand the material.

Tourniquet Troubleshooting Tips

PROBLEM

The surgical field suddenly starts to fill with blood

WHAT TO LOOK AT

- Has the cuff come loose or off?
- Is the tubing still connected to both connections?
- Are the tubing connections tight?
- Are the connections still attached to the cuff? (Did one of the connections rip out of the cuff?)

The cuff doesn't inflate

- Is the pressure reading still where you set it?
- Is the machine on?
- Is the cuff securely connected to the tubing?
- Are you using the inflation control for the correct cuff? (Most machines allow you to connect two tourniquets, but each is connected to separate tubing and controlled by separate controls.)
- Is there a hole or leak in the cuff?


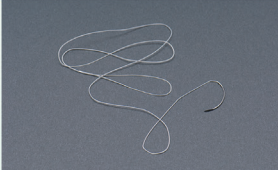

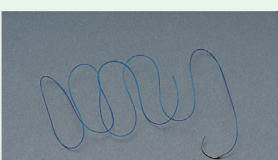
The machine isn't working

- Is the power switch on?
- Is it plugged in? (If there is battery backup, is the battery dead?)
- If it is plugged in and switched on and it still doesn't work, get another machine and have this one looked at.

"Troubleshooting" boxes feature common-sense tips to identify and solve equipment problems.

Q&A Surgical Session Review

- 1) Which type of sponge should *never* be used as a dressing?
 - a. Ray-Tec
 - b. Topper
 - c. Drain sponge
 - d. ABD pad
- 2) All of the following statements are true about sponges *except*
 - a. used sponges should be discarded off the field into a proper receptacle.
 - b. once initial count is done, it is OK to remove sponges from the room.
 - c. when setting up your back table, like sponges should be kept together.
 - d. never handle soiled sponges with your bare hands.
- 3) Ray-Tec sponges come in a package containing _____ sponges.
 - a. 5
 - b. 8
 - c. 10
 - d. 12
- 4) Peanut sponges may also be known as
 - a. Kitners.
 - b. dissectors.
 - c. Cherries.
 - d. tonsil sponges.
- 5) Cottonoids would most likely be used during which type of surgery?
 - a. gynecological
 - b. neurosurgical
 - c. bowel
 - d. obstetrical
- 6) Which of the following is a hemostatic?
 - a. saline
 - b. collodion
 - c. bone wax
 - d. chlorhexidine
- 7) An insulin syringe is marked in _____.
 - a. cc (cubic centimeters)
 - b. µg (micrograms)
 - c. mg (milligrams)
 - d. units

		<p>Name: Mersilene</p> <p>Alias: none</p> <p>Use: general tissue approximation</p> <p>Features: braided; nonabsorbable; may be undyed or green</p> <p>Additional Information: available in sizes 11-0 and 10-0 (for use in ophthalmic and microsurgery procedures) and 6-0 to 5; also available as ties</p>
		<p>Name: Novafil</p> <p>Alias: none</p> <p>Use: general tissue approximation</p> <p>Features: monofilament</p> <p>Additional Information: available in sizes 7-0 to 2 blue</p>

Side-by-side comparisons differentiate between similar-looking supplies like sutures and drugs, both in and out of their packaging.

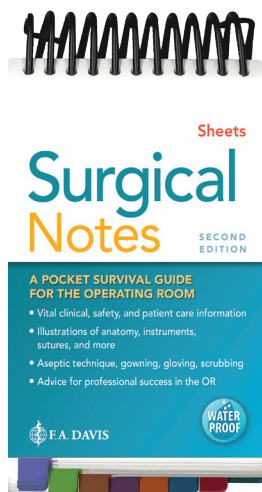
High-quality, full-color photographs illustrate the details of specific equipment and supplies as well as equipment students may not see in the lab.



FIGURE 7-10 A) Dual-chamber pacemaker. B) Defibrillator AICD.



FIGURE 7-11 Intra-aortic balloon pump.



220 pages | 95 illustrations
3.5" x 5.5" | Soft cover, spiral binding
2021

\$41.95 (US)
ISBN 13: 978-0-8036-9477-4

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- Tab 1. Asepsis
- Tab 2. Safety
- Tab 3. Anatomy
- Tab 4. Set-Up
- Tab 5. Meds
- Tab 6. Instruments
- Tab 7. Sutures
- Tab 8. PPOD
- Tab 9. Dynamics
- Tab 10. Notes



Instructor

- eBook



Perfect pocket reference guide.

“Great for a quick pocket reference to use in the Operating room. Newbie’s will benefit from it.”

—Kathleen C., Online Reviewer

Surgical Notes

A Pocket Survival Guide for the Operating Room, 2nd Edition

Susan D. Sheets, CST, RN, MSN, CNOR

The Quick Reference OR Survival Guide!

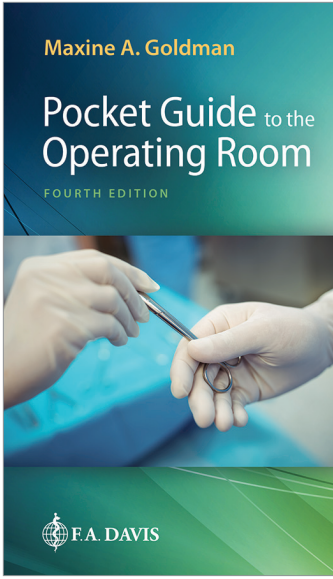
Here’s the on-the-spot guidance your students need to succeed in the operating room. Students can refresh their knowledge of the essentials of aseptic technique, surgical conscience, anatomy, basic set-up, instruments, and sutures. Your students will be prepared for challenging situations with tips for communicating effectively in the OR. They’ll also develop the critical thinking needed to organize their cases, set up a back table and mayo stand quickly and efficiently, count effectively, and work well with their team.

- **Updated & Revised!** Incorporating new knowledge in the field and advances in surgical practice
- **New!** Anatomy illustrations, including front and back view of the skull, x-rays of the normal and arthritic hip, detailed structure of the shoulder, and more
- **Expanded!** More in-depth anatomy for orthopedics
- **New!** Tab focused on safety that addresses hazards and risks in the operating room, combustibility, safe transfers, sharps safety, emergencies and disasters, and more
- **Expanded!** Coverage of robotics, instruments, and sutures



Full-color photographs and line illustrations show...

- scrubbing, gowning and gloving
- instruments, equipment and supplies
- anatomy
- prepping, positioning and draping
- medications
- sutures



Pocket Guide to the Operating Room, 4th Edition

Maxine A. Goldman, BS, RN

Complete, concise coverage of more than 500 general and specialty procedures

The night before...or two minutes before, your students can easily prepare for an unfamiliar surgery or simply brush up on their knowledge.

This portable, quick-reference pocket guide offers valuable discussions of the surgical goal, step-by-step descriptions of the procedure, patient preparation, necessary equipment and instrumentation, and special considerations for each surgery.

- Features extensive coverage of minimal access surgery, including endoscopic procedures for multiple specialties, microsurgical techniques, and instrumentation for these procedures.
- Thoroughly updated and revised to reflect the latest developments in surgical procedures.

1,280 pages | 11 illustrations
Soft cover | 2020
\$78.95 (US)
ISBN: 978-0-8036-6839-3



Instructor
▪ eBook



Great!! *“This book has helped me tremendously. I don’t think I would be surviving my clinical OR rotations without it and it’s extremely helpful when writing my reports for class too. It has very valuable info and I think it’s worth Every penny. Even people who have been part of the surgical team for a long time have been copies of this book on hand. It’s great.”*

—Vimeto, Online Reviewer

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Build a foundation for classroom and professional success.

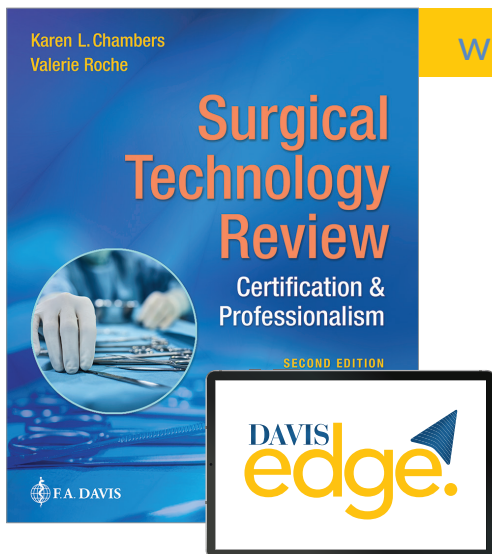
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Surgical Technology Review, Certification & Professionalism, 2nd Edition

Karen L. Chambers, MHA/Ed, CST, FAST | Valerie Roche, BA, MBA, AAS

TEXT

Prepare your students to pass the NBSTSA certification exam and meet the growing demand for certified surgical technologists. From medical terminology to surgical procedures, a concise outline format reviews all of the content covered on the NBSTSA National Certification Exam, plus 640 in-text practice questions with comprehensive rationales at the end of each chapter that provide additional review.

- **New!** Comprehensive rationales for correct and incorrect responses for in-text practice questions
- **Updated & Revised!** New questions and photos to reflect current practice and advances in the field
- **Expanded!** More emphasis on laparoscopic and robotics procedures

DAVIS EDGE

- A separate, unique set of more than 1,000 questions to gauge comprehension and reinforce learning
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464 pages | 150 illustrations | Soft cover | 2023

\$61.95 (US)

ISBN-13: 978-0-8036-6836-2

Complete Table of Contents
available at **FADavis.com**.



Great book for passing state boards.

“This is a great guide to help prepare for the state exam. Would highly recommend to anyone getting ready to pay over \$300 for state certification exam to buy and use the study guide.”

—Jon, Online Reviewer

1,000+ high-level questions aligned to the textbook with page references

Comprehensive rationales for both correct and incorrect responses

Question 1. The organ located directly above the stomach is the:

- 1. Appendix
- 2. Liver
- 3. Gallbladder
- 4. Pancreas

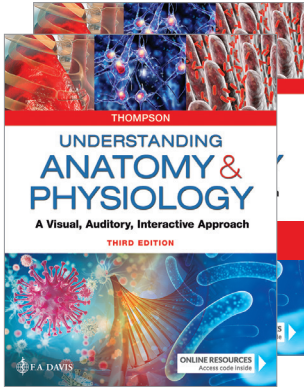
Rationales

Option 1: The appendix is in the lower right quadrant.

Option 2: The smaller portion of the liver is located directly above the stomach.

Option 3: The gallbladder is attached to the underside of the liver in the upper right quadrant.

Option 4: The pancreas is located behind the stomach.



576 pages | 500 illustrations
Soft cover | 2020

\$73.95 (US)
ISBN-13: 978-0-8036-7645-9

MONEY-SAVING PACKAGE

Text + Workbook

\$103.95 (US)
ISBN-13: 978-0-8036-9821-5

Understanding Anatomy & Physiology, A Visual, Auditory, Interactive Approach, 3rd Edition

Gale Sloan Thompson, RN

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Whatever their learning style—looking, listening, doing, or a little bit of each—this interactive approach to anatomy and physiology is designed for your students.

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- Student-friendly writing style
- A wealth of full-color illustrations, figures, sidebars, helpful hints, and easy-to-read descriptions

Student Workbook, 3rd Edition

336 pages | 400 Illustrations | Soft Cover | 2020

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ISBN-13: 978-0-8036-7646-6

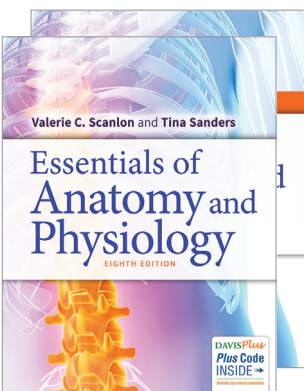


Instructor

- eBook
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 - Descriptions of Learning Styles
 - House Call Scripts for Class Discussion and Role Playing
- PowerPoint Presentation
- Image Bank
- Test Bank
- Student Workbook Answer Key
- Webinar Recording, *The Human Microbiome*
- Microbiome Video

Student

- Animations of Physiological Processes with Narration
- Body Language Drag-and-Drop
- Labeling Exercises
- Audio Glossary with Pronunciations
- Interactive Matching Exercises
- Flash Cards
- Podcast Library



624 pages | 38 Illustrations
Soft cover | 2019

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Text + Workbook

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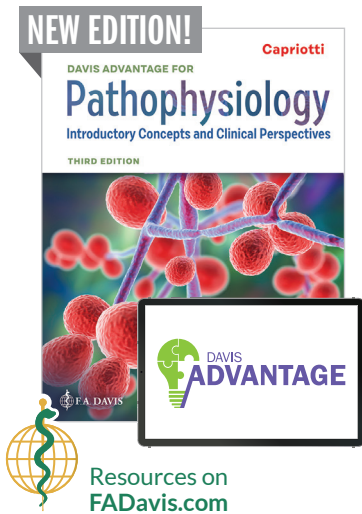
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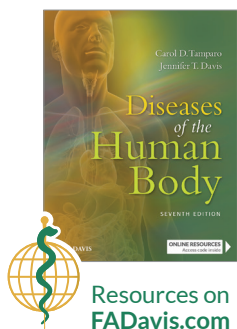
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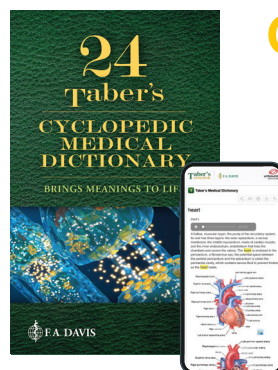


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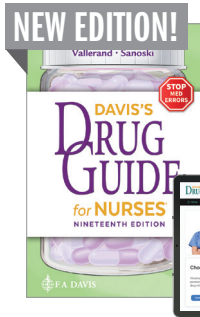


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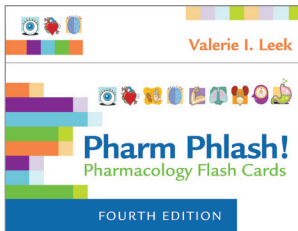


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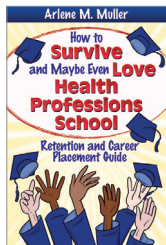
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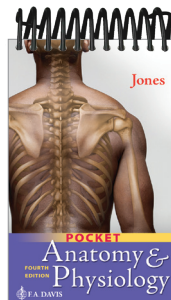


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