

## Χαρακτηριστικά:

- Provides **detailed, practical answers and quickly accessible clinical content** for surgeons at all levels, across all subspecialties—offering a one-stop, complete reference throughout a surgeon’s career, including information needed for residency and board certification.
- Contains **new chapters** on minimally invasive surgery, endoscopic techniques, simulation, and AI, as well as expanded discussions of robotic and minimally invasive approaches to surgical procedures.
- Follows a **clear, consistent progression** beginning with principles common to surgical specialties including fluid and electrolyte management, metabolic support, and wound healing; subsequent sections review the management of injury, transplantation, oncology, breast, endocrine, and abdominal procedures.
- Presents the **underlying science and its clinical application** to make informed surgical decisions and achieve optimal outcomes.
- Covers topics encountered by general surgery residents in training as well as **in-depth coverage of subspecialty areas** including head and neck, thoracic, vascular, urology, neurosurgery, pediatrics, and gynecology.
- Provides access to **more than two dozen high-quality surgical procedure and technique videos** (many are new!), **new podcast-style audio resources**, more than 2,000 superb images, and hundreds of quick-reference tables, boxes, and algorithms.
- Shares the **fresh perspectives and expertise** of new lead editor Dr. Douglas S. Tyler, and six new associate editors, Drs. Andrea Hayes-Dixon, O. Joe Hines, Rachel Kelz, Melina R. Kibbe, Christine Lau, and Mayur Patel.
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud. Additional digital ancillary content may publish up to 6 weeks following the publication date.

## Περιεχόμενα:

### Section 1 Surgical Training and Quality Control

1. Surgical Education Past, Present and Future
2. Surgical Simulation and new ways to optimize performance
3. Certification of Surgeon Competence
4. Preoperative Risk Assessment and Alterations in the COVID Era
5. Social Determinants of Health and Their Impact on Surgical Outcomes
6. Critical Assessment of Surgical Outcomes and Health Service Research
7. Surgical Quality Improvement Programs
8. Patient Reported Outcomes
9. Safety in the Surgical Environment
10. Advances and Training Considerations in Robotic Surgery

11. Advances and Training Considerations in Laparoscopic Surgery
12. Advances and Training Considerations in Endoscopy and Endoscopic Surgery
13. Telehealth in Surgery
14. Health Inequities and Disparities in Surgery
15. Global Surgery
16. Ethics and Professionalism in Surgery
17. Surgeon Health-Ergonomics
18. Surgeon Health and Well Being

## **Section 2 Perioperative Management**

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20. Anesthesiology Principles, Pain Management and Sedation
21. Optimizing surgical outcomes: Prehabilitation and rehabilitation
22. Enhanced Recovery After Surgery (ERAS): Evidence Based Perioperative Pathways to Optimize Outcomes
23. Wound Healing
24. The Evolving Role of the Microbiome in Surgical Practice
25. Surgical Site Infections
26. Surgical Complications: Overview and Grading
27. Surgery in the Geriatric Patient
28. Surgical in The Pregnant Patient
29. Surgical Considerations in the Transgender Patient
30. Surgical Palliative Care
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41. Emergency Care of Neurologic Injuries
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