Focuses on the revolution that minimally invasive surgical techniques, new instruments such as laparoscopes and endoscopes, and new technologies have brought to the art, science, and business of surgery.

This innovative publication prepares both new and experienced surgeons to think and work in "the operating room of the future," while helping them to face the challenges of learning new techniques, understanding and adapting to new technologies, maintaining surgical competencies, and applying surgical outcomes data to their practices.

Each issue offers unique, original articles from the vanguard of clinical practice, noteworthy basic and applied research from the basic sciences, state-of-the-art surgical education, and useful insights into the business of surgical practice. Written by leading international medical and surgical practitioners from specialties such as general surgery, gynecology, urology, cardiothoracic surgery, vascular surgery, head and neck surgery, neurosurgery, otolaryngology, orthopedics, and pediatric surgery, the perceptive and incisive articles highlight those practices and technologies that will change your practice today and revolutionize surgery for decades to come.

The journal covers rapidly emerging topics, often found nowhere else, including:

Clinical Practice:
- New Procedures (for example, NOTES, image guided surgery)
- New Instruments
- Practice Management
- Cross-Specialty Synergies

Research on the Cutting Edge:
- Robotics
- Energy Sources
- Operating Room of the Future
- Materials and Prostheses
- Biologic Investigations

Surgical Education:
- Surgical Training and Performance Metrics
- Surgical Simulation
- Telemedicine
- Introduction of New Techniques and Technologies into Clinical Practice

The journal is a member of the Committee on Publication Ethics (COPE).