

# Handbook of Neuroanesthesia by Keith Wesley: A Comprehensive Guide for Anesthesiologists

The Handbook of Neuroanesthesia by Keith Wesley is an indispensable resource for anesthesiologists involved in the care of patients undergoing neurological surgery. Encompassing a wide range of topics, this book provides a comprehensive overview of the complexities of neuroanesthesia and offers practical guidance for successful anesthetic management.



## Handbook of Neuroanesthesia by Keith Wesley

★★★★☆ 4.8 out of 5

Language : English  
File size : 10690 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 480 pages



## Overview of the Book

The Handbook of Neuroanesthesia is organized into five main sections:

1. **Basic Principles:** This section lays the foundation for understanding neuroanesthesia, covering topics such as neuroanatomy, neurophysiology, and neuropharmacology.
2. **Preoperative Evaluation and Monitoring:** This section focuses on the preoperative assessment and monitoring of patients undergoing

neurological surgery, including preoperative evaluation, anesthetic planning, and invasive monitoring.

3. **Anesthetic Management:** This section explores the various anesthetic techniques used in neuroanesthesia, including inhalational agents, intravenous agents, and regional anesthesia.
4. **Intraoperative Monitoring and Management:** This section discusses intraoperative monitoring techniques and management strategies, such as electroencephalography (EEG), evoked potentials, and cerebral oximetry.
5. **Postoperative Care:** This section provides guidance on postoperative care, including pain management, fluid management, and neurocritical care.

## **Key Concepts in Neuroanesthesia**

The Handbook of Neuroanesthesia explores a range of key concepts that are essential for anesthesiologists to understand, including:

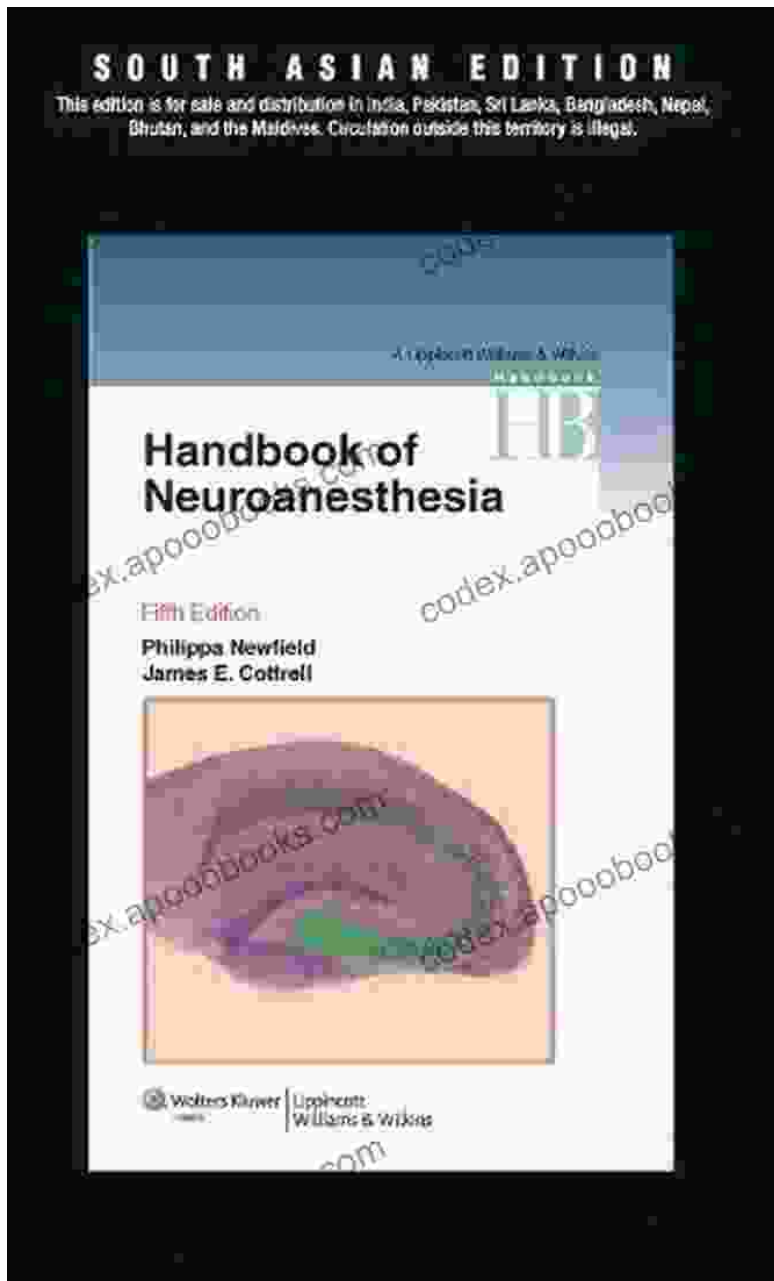
- Cerebral blood flow and metabolism
- Neuroprotection
- Intracranial hypertension
- Awake craniotomy
- Neuromuscular monitoring

## **Significance of the Handbook for Anesthesiologists**

The Handbook of Neuroanesthesia is a valuable resource for anesthesiologists due to its:

- **Comprehensive coverage:** The book provides a comprehensive overview of the field of neuroanesthesia, encompassing a wide range of topics.
- **Practical guidance:** The book offers practical guidance for the anesthetic management of patients undergoing neurological surgery, including preoperative evaluation, intraoperative monitoring, and postoperative care.
- **Evidence-based approach:** The book is based on the latest scientific evidence and research, ensuring that anesthesiologists are equipped with the most up-to-date knowledge.
- **Expert authorship:** The book is authored by Keith Wesley, a leading expert in the field of neuroanesthesia, providing readers with access to the insights of an experienced practitioner.

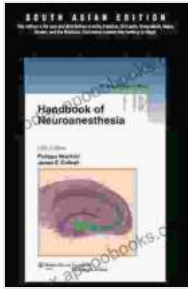
The Handbook of Neuroanesthesia by Keith Wesley is an essential resource for anesthesiologists involved in the care of patients undergoing neurological surgery. Its comprehensive coverage, practical guidance, and evidence-based approach make it a valuable tool for both novice and experienced practitioners. By incorporating the knowledge and techniques presented in this book, anesthesiologists can enhance the safety and improve the outcomes of their patients undergoing neurological procedures.



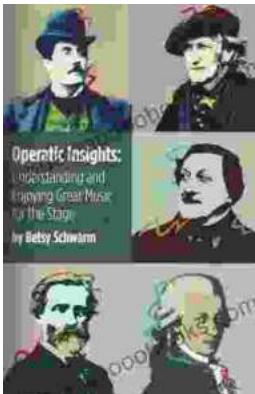
**Author Bio:** Keith Wesley is a Professor of Anesthesiology at the University of California, San Francisco. He is a leading expert in the field of neuroanesthesia and has authored numerous publications and textbooks on the subject.

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