



## Principles and Practice of Keyhole Brain Surgery

*Charles Teo, Michael E. Sughrue*

Download now

[Click here](#) if your download doesn't start automatically

# Principles and Practice of Keyhole Brain Surgery

Charles Teo, Michael E. Sughrue

## Principles and Practice of Keyhole Brain Surgery Charles Teo, Michael E. Sughrue

Developed 20 years ago by leading innovators in the field, the keyhole concept of brain surgery has become an integral part of the practice of neurosurgery. This timely and comprehensive book covers the thinking, philosophy, and techniques of modern keyhole brain surgery, including a realistic assessment of its benefits and limitations. Written by expert practitioners and highlighted by vivid surgical illustrations and procedural videos, *Principles and Practice of Keyhole Brain Surgery* functions as an experienced mentor working side by side with neurosurgeons as they master the techniques.

### Special Features:

- Introduces the basic principles of the keyhole approach, including the practical, technical, and logistical aspects of planning procedures and operating through small openings
- Beautifully illustrated with nearly 900 endoscopic images, diagrams, surgical drawings, and operative photographs, many showing step-by-step procedures
- Details the pivotal role of the endoscope in keyhole brain surgery and its ability to provide multiple angles of visualization, including a useful catalog of clinical situations where the endoscope has proven most effective
- Demonstrates contemporary keyhole approaches (e.g. the eyebrow/sub-frontal approach) in procedures for supratentorial intra-axial brain tumors, tumors of the cribriform plate and orbit, parasellar masses, craniopharyngiomas, tumors of the middle fossa and cavernous sinus and many other conditions in the cranial base
- Offers more than 100 procedural videos on the Thieme's MediaCenter, narrated by the authors and aligned to chapters in the book for an unparalleled learning resource

Providing all the information necessary to achieve surgical goals through well placed, smaller openings with the added benefits of shorter procedures, fewer wound complications and better patient outcomes *Principles and Practice of Keyhole Brain Surgery* is essential for every neurosurgeon in practice today.



[Download Principles and Practice of Keyhole Brain Surgery ...pdf](#)



[Read Online Principles and Practice of Keyhole Brain Surgery ...pdf](#)

**Download and Read Free Online Principles and Practice of Keyhole Brain Surgery Charles Teo, Michael E. Sughrue**

---

**From reader reviews:**

**Jean Smith:**

The book Principles and Practice of Keyhole Brain Surgery make you feel enjoy for your spare time. You should use to make your capable more increase. Book can for being your best friend when you getting pressure or having big problem together with your subject. If you can make examining a book Principles and Practice of Keyhole Brain Surgery to become your habit, you can get much more advantages, like add your current capable, increase your knowledge about many or all subjects. You may know everything if you like wide open and read a guide Principles and Practice of Keyhole Brain Surgery. Kinds of book are several. It means that, science guide or encyclopedia or some others. So , how do you think about this e-book?

**Teresa Howard:**

Beside this particular Principles and Practice of Keyhole Brain Surgery in your phone, it could possibly give you a way to get nearer to the new knowledge or information. The information and the knowledge you are going to got here is fresh from your oven so don't be worry if you feel like an older people live in narrow small town. It is good thing to have Principles and Practice of Keyhole Brain Surgery because this book offers to your account readable information. Do you sometimes have book but you would not get what it's about. Oh come on, that will not end up to happen if you have this in your hand. The Enjoyable option here cannot be questionable, like treasuring beautiful island. Use you still want to miss that? Find this book along with read it from today!

**Kenneth Harrell:**

Do you like reading a guide? Confuse to looking for your preferred book? Or your book ended up being rare? Why so many problem for the book? But almost any people feel that they enjoy for reading. Some people likes reading, not only science book but in addition novel and Principles and Practice of Keyhole Brain Surgery or others sources were given information for you. After you know how the great a book, you feel desire to read more and more. Science reserve was created for teacher or even students especially. Those textbooks are helping them to increase their knowledge. In additional case, beside science publication, any other book likes Principles and Practice of Keyhole Brain Surgery to make your spare time much more colorful. Many types of book like this.

**Albert Fragoso:**

Some individuals said that they feel fed up when they reading a reserve. They are directly felt the item when they get a half parts of the book. You can choose the book Principles and Practice of Keyhole Brain Surgery to make your own reading is interesting. Your current skill of reading proficiency is developing when you including reading. Try to choose easy book to make you enjoy to learn it and mingle the opinion about book and examining especially. It is to be initially opinion for you to like to open up a book and learn it. Beside that the book Principles and Practice of Keyhole Brain Surgery can to be your brand-new friend when you're

feel alone and confuse in what must you're doing of this time.

**Download and Read Online Principles and Practice of Keyhole  
Brain Surgery Charles Teo, Michael E. Sughrue #OS06KGEWUIF**

# **Read Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue for online ebook**

Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue books to read online.

## **Online Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue ebook PDF download**

**Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue Doc**

**Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue Mobipocket**

**Principles and Practice of Keyhole Brain Surgery by Charles Teo, Michael E. Sughrue EPub**