



## SAUDI BOARD RESIDENCY TRAINING PROGRAM

### NEUROSURGERY

#### Part One Examination

##### Examination Format:

1. Part I Examination of Saudi board certificate shall consist of one paper with 150 multiple-choice questions (single best answer out of four options). Up to 10% unscored items can be added for pretesting purposes.
2. If any other assessment format is used, the Central Assessment Committee must agree to its implementation.

##### Passing Score:

1. The passing score is 65%.
2. If the percentage of candidates passing the exam before final approval is less than 70%, the passing score can be lowered by one mark at a time aiming at achieving 70% passing rate or a score of 60% whichever comes first. Under no circumstances, may the score can be reduced below 60%.

##### Suggested References:

- Schwartz's Principles of Surgery Textbook. (Basic Principles of Surgery Section)
- Schwartz's Principles of Surgery, ABSITE and Board Review.
- Rush University Medical Centre Review of Surgery.
- Handbook of Neurosurgery 8<sup>th</sup> Edition by Mark S. Greenberg. Anatomy, Physiology, and General Neurosurgery Sections.
- Youmans Neurological Surgery Textbook. (Basic Science and General Neurosurgery Sections).
- Comprehensive Neurosurgery Board Review by Jonathan Citow. Anatomy, physiology, and Critical care sections.
- Professionalism and Ethics, Handbook for Residents, Practical guide, Prof. James Ware, Dr. Abdulaziz Fahad Alkaabba, Dr. Ghaiath MA Hussein, Prof. Omar Hasan Kasule, SCFHS, Latest Edition.



- Essentials of Patient Safety, SCHS, Latest Edition.

**Note:**

This list is intended for use as a study aid only. SCFHS does not intend the list to imply endorsement of these specific references, nor are the exam questions necessarily taken solely from these sources.

**Blueprint Outlines:**

No.	Sections	Percentage (%)
Principles of Surgery		50%
1	Fluids, Electrolytes, and Acid-Base Balance	10%
2	Shock and Haemostasis	10%
3	Surgical Infections and Antibiotics	10%
4	Perioperative Management and Surgical Critical Care	10%
5	Wounds and Wound Healing	10%
Basic Principles of Neuroscience		20%
6	Neuro-anatomy	5%
7	Neurophysiology	5%
8	Neurological examination skills	5%
9	Neurochemistry and pharmacology	5%
Basic Principles of Neurosurgery		20%
10	Raised ICP, Cerebral Edema and Brain Herniation	10%
11	Hydrocephalus and Basic Neurosurgical approaches	5%
12	Neotrauma	5%
Research, Ethics and Professionalism and Patient Safety		10%
Total		100%

**Note:**

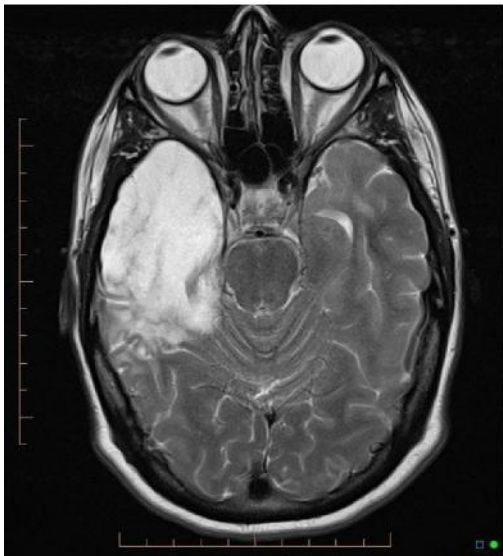
- Blueprint distributions of the examination may differ up to +/-3% in each category.
- Percentages and content are subject to change at any time. See the SCFHS website for the most up-to-date information.



## Example Questions

### EXAMPLE OF K2 QUESTIONS

#### Question 1



A 21-year-old man presented to the clinic with a visual field chart showing left upper quadrantanopia after neurosurgical intervention to treat epilepsy (see image).

Which of the following is the most likely injured structure?

- A. Optic tract
- B. Optic nerve
- C. Meyer's loop
- D. Lateral geniculate body

### EXAMPLE OF K1

#### Question 2

A 24-year-old man sustained a head trauma and found to have an ecchymosis behind the ear.

Which of the following is the most likely fracture?

- A. Skull base
- B. Orbital bone
- C. Frontal bone
- D. Occipital bone