

SAUDI BOARD RESIDENCY TRAINING PROGRAM

Anaesthesia

Promotion Examination

Written Examination Format:

- A written examination shall consist of one paper with not less than 100 MCQs with a single best answer (one correct answer out of four options).
- The examination shall contain type K2 questions (interpretation, analysis, reasoning and decision making) and type K1 questions (recall and comprehension).
- The examination shall include basic concepts and clinical topics relevant to the specialty.
- Clinical presentation questions include history, clinical finding and patient approach. Diagnosis and investigation questions; include the possible diagnosis and diagnostic methods. Management questions; including treatment and clinical management, either therapeutic or non-therapeutic, and complications of management. Materials and Instruments questions; including material properties, usage, and selection of instruments and equipment used. Health maintenance questions; include health promotion, disease prevention, risk factors assessment, and prognosis.

Passing Score for Promotion Exam:

The trainee's performance is assessed in each of the evaluation formulas according to the following scoring system:

Score	Less than 50%	50% – 59.4%	60% - 69.4%	More than 70%
Description	Clear Fail	Borderline Fail	Borderline Pass	Clear Pass

1. To upgrade the trainee from a training level to the next level, She/he must obtain at least a **Borderline Pass** in each evaluation form.
2. The program director may recommend to the local supervision committee to request the promotion of the trainee who did not meet the previous promotion requirement according to the following:
 - A. In case that the trainee gets a **borderline Fail** result in **one** of the evaluation forms, the remaining evaluation forms must be passed with **Clear Pass** in at least **one** of them.



- B. In case that the trainee gets a **borderline Fail** result in **two** of the evaluation forms to a maximum, provided they do not fall under the same theme (Knowledge, Attitude, Skills). The remaining evaluation forms must be passed with **Clear Pass** in at least **two** of them.
- C. The promotion must be approved in this case by the scientific council for the specialization.

Blueprint Outlines

No.	R1, R2, R3	Section	Proportion%
1		Basic Sciences	37%
2		Clinical Sciences	14%
3		Organ-Based and Clinical Sciences	8%
4		Special Problems Or Issues In Anesthesiology	8%
5		International Health Improvement System	2%
6		Remote Area Anaesthesia	5%
7		Advance Monitoring in Anesthesia	8%
8		Perioperative Medicine	10%
9		Research, Ethics and Professionalism and patient safety	8%
Total			100%

Note:

- Blueprint distribution 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.



Suggested References:

Residents are encouraged to have in-depth knowledge in major parts of the following books:

1. Ronald D. Miller, 2014. Miller's Anesthesia, 8th Edition.
2. Paul G. Barash, 2017. Clinical Anesthesia, (B. Lippincott Company), 8th Edition.
3. Roberta L., Hines and Katherine, Marschall, 2017. Anesthesia and Co-Existing Disease, 7th Edition.
4. David C. Chung and Arthur M. Lam, 1997. Essentials of Anesthesiology, 3rd Edition.
5. Paul L. Marino, 2016. The ICU Book.

CLASS (B) TEXTBOOKS:

Residents are expected to use the following books as references related to anesthesia and intensive care:

6. Michael J. Cousins and Phillip O. Bridenbaugh, 1997. Neural Blockade in Clinical Anesthesia & Management of Pain, 3rd Edition.
7. David Chestnut, 2014. Chestnut's Obstetric Anesthesia, 5th Edition.
8. Jerrold Lerman and David Steward, 2009. Manual of Pediatric Anesthesia, 6th Edition.
9. William J. Sibbald, 1988. Synopsis of Critical Care.
10. Joseph E. Parrillo, 1990. Current Therapy in Critical Care Medicine, 2nd Edition.
11. Ehab Farag, 2016. Brown's Atlas of Regional Anesthesia, 5th Edition.
12. Michael J. and John Ford, 1990. Manual of Medical Procedures.
13. Margaret Wood, 1989. Drugs and Anesthesia: Pharmacology for Anesthesiologists.
14. Andrew B. Lumb, 2016. Nunn's Applied Respiratory Physiology, 8th Edition.
15. Kim E. Barrett, 2015. Review of Medical Physiology, 25th Edition.
16. Barry A. Shapiro, 1990. Clinical Application of Respiratory Care, 4th Edition.
17. Ary L. Goldberger, 2017. Goldberger's Clinical Electrocardiography: A Simplified Approach, 9th Edition.
18. J. G. Whitwam, 1994. Day-Case Anesthesia and Sedation.
19. Aviva Petrie, 1988. Lecture Notes on Medical Statistics.
20. R. A. Brown, 1994. Medical Statistics on Personal Computers, 2nd Edition.
21. Dr. Annete Vegas, 2003. Cardiac Anesthesiology Fellows Manual, 6th Edition.
22. Joel A. Kaplan, 2016. Kaplan's Cardiac Anesthesia, 7th Edition.
23. Alan Seymour, 2017. Practical Aspects of Thoracic Anaesthesia.
24. Peter Slinger, 2011. Principles and Practice of Anesthesia for Thoracic



Surgery.

25. Maurice S. Albin, 1996. Textbook of Neuro-Anesthesia with Neurosurgical and Neuroscience Perspective 1st Edition.
26. Richard S. Irwin and Craig M. Lilly, 2017. Irwin and Rippe's Intensive Care Medicine, 8th Edition.

Patient Safety + Professionalism and Ethics References:

1. 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.
2. Essentials of Patient Safety, SCHS, Latest Edition.

Crash Courses:

- Outline of each course including suggested reading references given by the provider.

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.



Example Questions

EXAMPLE OF K1 QUESTIONS

Question 1

Which component of the wave (Y, A, V, C) corresponds to the anatomical function in central Venous Pressure CVP Waveform?

- A. Mid systole is reflected by (y) wave
- B. Early Systole is reflected by (a) wave
- C. Late systole is correlated to by (v) wave
- D. End of Diastole is represented by (c) wave

EXAMPLE OF K2 QUESTIONS

Question 1

During trans-oral laser microsurgery, laser used to facilitate the approach to laryngeal webs in 65-year-old male, the surgeon screams suddenly "FIRE!"

Which of the following is the appropriate next step?

- A. Ventilate with air
- B. Increase Fio2 to 1.0
- C. Remove the endotracheal tube
- D. Instill saline down the endotracheal tube lumen