



SAUDI FELLOWSHIP TRAINING PROGRAM

Cardiac Anastasia

Final Written Examination

Examination Format:

The Saudi subspecialty fellowship and diplomas final written examination shall consist of one paper with 80-120 multiple-choice questions (single best answer out of four options). 10 unscored items can be added for pretesting purposes.

Passing Score:

The passing score is 70%. However, if the percentage of candidates passing the examination before final approval is less than 70%, the passing score must be lowered by one mark at a time aiming at achieving 70% passing rate or 65% passing score whichever comes first. Under no circumstances can the passing score be reduced below 65%.

Blueprint Outlines:

No.	Sections	Percentage (%)
1	Cardiac Pharmacology	5%
2	Cardiac Physiology	5%
3	Paediatric Cardiac	10%
4	Adult Cardiac ¹	25%
5	Interventional Cardiology	10%
6	Monitoring and Tee	15%
7	ICU	9%
8	Haemostasis	5%
9	Cardiac for not Cardiac	9%
Research, Ethics and Professionalism and Patient Safety		7%
Total		100%

¹Adult Cardiac include: IHD- Valvis- majvos- transplant – Adult congenital

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.



Suggested References:

- A Practice of Anesthesia for Infants and Children 5th Edition: C.J Cote, J. Lerman, B. Anderson.
- Chestnut's Obstetric's Anesthesia Principles and Practice 4th Edition: D Chestnut, L Polly, L Tsen, C Wong.
- Inkling 101 and the Elements of Style
- Kaplan's Cardiac Anesthesia 7th Edition: JL Kaplan, JGT Augoustides, D L Reich, GR Manecke.
- Kaplan's Cardiac Anesthesia: The Echo Era 6th Edition: JKaplan, DReich, JSavino.
- Miller's Anesthesia 7th Edition: RMiller, LEriksson, L Fleisher, WYoung, JKronish.
- Yao & Artusio's Anesthesiology: Problem-Oriented Patient Management 8th Edition: FS Yao, VMalhotra, JFong, NSkubas

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 K2 QUESTIONS

Question 1

A patient with previously normal left ventricular function is undergoing elective coronary artery bypass grafting. Immediately after separation from cardiopulmonary bypass, some measurements are noted.

Blood pressure via radial intra-arterial catheter	78/52 mmHg
Heart rate	94 bpm
Pulmonary artery pressure	28/18 mm Hg
Cardiac index	2.7

Which of the following is the most prudent initial intervention?

- A. Direct measurement of intra-aortic pressures to verify radial artery correlation
- B. Addition of a phenylephrine infusion to provide α -receptor-mediated vasoconstriction
- C. Addition of an epinephrine infusion to provide both inotropic support and α -receptor-mediated vasoconstriction
- D. An intra-aortic volume infusion using pulmonary capillary wedge pressures as a guide to the adequacy of left ventricular filling

EXAMPLE OF K1

Question 2

Which of the following is the cardiovascular change that occurs with advancing age?

- A. Decreasing blood pressure
- B. Increased number of myofibrils
- C. Increase in cardiovascular reserve
- D. Loss of elasticity of the vascular tree