

**CARDIAC SURGERY**

**Reference No:**  
**Name and Identification No:**  
**Evaluation covering the last**  
**year as a Resident:**  
**Address:**

In the view of the Residency Program Committee, this resident has acquired the competencies of the specialty/subspecialty as prescribed in the Objectives of Training and is competent to practice as a specialist. **YES**  
 **NO**

The following sources of information were used for this evaluation:

- |  |   |
|--|---|
| <input type="checkbox"/> written examinations                            | <input type="checkbox"/> oral examinations                                      |
| <input type="checkbox"/> clinical observations (e.g. ITERs) from faculty | <input type="checkbox"/> Structured Assessment of a Clinical Encounter (STACER) |
| <input type="checkbox"/> feedback from health care professionals         | <input type="checkbox"/> OSCEs  |
| <input type="checkbox"/> completion of a scholarly project               | <input type="checkbox"/> other evaluations _____                                |

**COMMENTS**

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|------|--|-----------|
| Date | Name of Program Director/Assessor<br>for CCR | Signature |
|------|--|-----------|

|      |  |           |
|------|--|-----------|
| Date | Name of Postgraduate Dean/<br>Assessor for CCR | Signature |
|------|--|-----------|

|      |                  |           |
|------|------------------|-----------|
| Date | Name of Resident | Signature |
|------|------------------|-----------|

*This is to attest that I have read this document.*

Identification number: \_\_\_\_\_

**RESIDENT'S COMMENTS:**

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Note: If during the period from the date of signature of this document to the completion of training, the Residency Program Committee judges that the candidate's demonstration of competence is inconsistent with the present evaluation, it may declare the document null and void and replace it with an updated FITER. Eligibility for the examination would be dependant on the updated FITER.

**CARDIAC SURGERY FITER (2013)**

**(Please read the attached Explanatory Notes before completing this report)**

| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <p><b>EXPECTATIONS</b></p> |                               |                        |                          |                               |
|---|----------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|
|   | <p>* Rarely meets</p>      | <p>* Inconsistently meets</p> | <p>Generally meets</p> | <p>Sometimes exceeds</p> | <p>* Consistently exceeds</p> |
| <p><b>MEDICAL EXPERT</b></p>  |                            |                               |                        |                          |                               |
| <p>a. Performs a consultation, including the presentation of well-documented assessments and recommendations in written and/or verbal form in response to a request from another health care professional</p> |                            |                               |                        |                          |                               |
| <p>b. Demonstrates the ability to prioritize professional duties when faced with multiple patients and problems</p>   |                            |                               |                        |                          |                               |
| <p>c. Demonstrates a consultant’s level of knowledge of the types of and indications for the various thoracic incisions including anatomical details</p>  |                            |                               |                        |                          |                               |
| <p>d. Demonstrates a consultant’s level of clinical knowledge relevant to the specialty of Cardiac Surgery</p>  |                            |                               |                        |                          |                               |
| <p>e. Demonstrates a consultant’s level of knowledge of techniques for valve surgery including methods of valve repair, aortic root enlargement, and management of complications of valve surgery</p>         |                            |                               |                        |                          |                               |
| <p>f. Demonstrates a consultant’s level of knowledge of wound complications and their management</p>  |                            |                               |                        |                          |                               |
| <p>g. Demonstrates a consultant’s level of knowledge of surgical nutrition</p>  |                            |                               |                        |                          |                               |
| <p>h. Describes the indications, pharmacological approaches, and management of complications of anticoagulation</p>   |                            |                               |                        |                          |                               |
| <p>i. Demonstrates a consultant’s level knowledge of cardiac medications</p>  |                            |                               |                        |                          |                               |
| <p>j. Manages common medical conditions in patients undergoing cardiac surgery</p>  |                            |                               |                        |                          |                               |
| <p>k. Manages complications arising in the care of patients undergoing cardiac surgery</p>  |                            |                               |                        |                          |                               |
| <p>l. Describes the principles of diagnosis and management of thoracic trauma with particular attention to the heart and great vessels</p>  |                            |                               |                        |                          |                               |
| <p>m. Describes the principles of anesthetic management of the cardiac surgical patient</p>   |                            |                               |                        |                          |                               |

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|---|--|--|--|--|
| n. Describes the pathophysiology, and anatomy, medical and surgical management of coronary artery disease (CAD)   |  |  |  |  |
| o. Describes the use and pathophysiology of cardiopulmonary bypass (CPB)  |  |  |  |  |
| p. Describes intra-operative approaches to myocardial protection, cardioplegia composition, and pathophysiology of ischemia/reperfusion   |  |  |  |  |
| q. Describes the principles of diagnosis and surgical management of complications of ischemic heart disease   |  |  |  |  |
| r. Describes the principles of design and function of intraaortic balloon pumps as well as indications for their use  |  |  |  |  |
| s. Describes the principles of management of valvular heart disease   |  |  |  |  |
| t. Describes the principles of management of patients with thoracic aortic disease  |  |  |  |  |
| u. Lists the indications for surgical interventions in heart failure including transplantation, high risk CABG and valve surgery, ventricular assist device placement as bridge or destination, biventricular pacing, and approaches to ventricular remodelling. Manage transplant and ventricular assist device (VAD) recipients including immunosuppression, management of the multi-organ donor and donor heart protection |  |  |  |  |
| v. Describes the principles of management of patients with arrhythmias  |  |  |  |  |
| w. Demonstrates a consultant's level of knowledge of the types, presentation, diagnosis, and surgical management of cardiac tumours   |  |  |  |  |
| x. Demonstrates a consultant's level of knowledge of pericardial disease presentation, diagnosis, and surgical management, including constrictive pericarditis, acute tamponade, and chronic effusion   |  |  |  |  |
| y. Demonstrates detailed knowledge of congenital heart defects  |  |  |  |  |
| z. Synthesizes all pertinent information competently to arrive at a correct diagnosis and/or effective treatment plan for the cardiac surgical patient  |  |  |  |  |
| Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.  |  |  |  |  |

**CARDIAC SURGERY FITER (2013)**

| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <p><b>EXPECTATIONS</b></p> |                               |                        |                          |                               |
|---|----------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|
|   | <p>* Rarely meets</p>      | <p>* Inconsistently meets</p> | <p>Generally meets</p> | <p>Sometimes exceeds</p> | <p>* Consistently exceeds</p> |
| <p><b>PROCEDURES AND CLINICAL SKILLS</b></p>  |                            |                               |                        |                          |                               |
| <p><b>Demonstrates the ability to perform diagnostic and therapeutic procedures described in the Medical Expert section 5.1 of the Objectives of Training in Cardiac Surgery.</b></p> |                            |                               |                        |                          |                               |
| <p>a. Performs an appropriate history and physical examination of a cardiac surgery patient</p>   |                            |                               |                        |                          |                               |
| <p>b. Performs placement of invasive monitoring lines, including management of associated complications</p>   |                            |                               |                        |                          |                               |
| <p>c. Manages airway problems including performance of tracheostomy</p>   |                            |                               |                        |                          |                               |
| <p>d. Performs peripheral arterial reconstruction</p>   |                            |                               |                        |                          |                               |
| <p>e. Performs sternotomy and thoracotomy incisions: performs techniques for safe redo sternotomy</p>   |                            |                               |                        |                          |                               |
| <p>f. Performs reconstruction of the sternum</p>  |                            |                               |                        |                          |                               |
| <p>g. Performs wound debridement</p>  |                            |                               |                        |                          |                               |
| <p>h. Performs surgery for thoracic trauma effectively including resuscitation, investigation and repair of cardiac lacerations, lung injuries and great vessel injuries</p>          |                            |                               |                        |                          |                               |
| <p>i. Institutes cardiopulmonary bypass using a variety of cannulation techniques and devices; conducts CPB appropriately; inserts intraaortic balloon pumps</p>                      |                            |                               |                        |                          |                               |
| <p>j. Institutes effective myocardial protection using a variety of delivery methods</p>  |                            |                               |                        |                          |                               |
| <p>k. Performs coronary artery bypass grafting using a range of arterial and venous conduits</p>  |                            |                               |                        |                          |                               |
| <p>l. Repairs complications of CAD: VSD, mitral insufficiency, LV aneurysm</p>  |                            |                               |                        |                          |                               |
| <p>m. Performs aortic valve replacement</p>   |                            |                               |                        |                          |                               |
| <p>n. Performs aortic root replacements using a variety of prosthetic devices</p>   |                            |                               |                        |                          |                               |

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|---|--|--|--|--|--|
| o. Performs complex aortic valve surgery  |  |  |  |  |  |
| p. Performs mitral valve replacement and repair using a variety of approaches and prosthetic devices  |  |  |  |  |  |
| q. Performs tricuspid valve surgery   |  |  |  |  |  |
| r. Performs repair of elective thoracic aortic aneurysms  |  |  |  |  |  |
| s. Repairs emergent aortic dissections  |  |  |  |  |  |
| t. Procures donor hearts and performs cardiac transplantation   |  |  |  |  |  |
| u. Performs implantation of various types of pacemakers: single/dual chamber, epicardial/endocardial leads, automatic implantable cardiac defibrillators (AICDs)  |  |  |  |  |  |
| v. Manages electrophysiological device complications, including lead extraction   |  |  |  |  |  |
| w. Performs resection of cardiac tumours  |  |  |  |  |  |
| x. Performs pericardial aspiration, biopsy and pericardiectomy  |  |  |  |  |  |
| y. Institutes cardiopulmonary bypass for congenital cardiac cases   |  |  |  |  |  |
| z. Manages and performs congenital cardiac cases: coarctation of aorta, PDA, VSD  |  |  |  |  |  |
| aa. Performs atrial septal defect repair  |  |  |  |  |  |
| <b>Minimizes risks and discomforts to the patient</b>   |  |  |  |  |  |
| <b>Overall is proficient in clinical and procedural skills relevant to Cardiac Surgery</b>  |  |  |  |  |  |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |  |  |  |  |  |

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| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <p><b>EXPECTATIONS</b></p> |                               |                        |                          |                               |
|---|----------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|
|   | <p>* Rarely meets</p>      | <p>* Inconsistently meets</p> | <p>Generally meets</p> | <p>Sometimes exceeds</p> | <p>* Consistently exceeds</p> |
| <p><b>COMMUNICATOR</b></p>  |                            |                               |                        |                          |                               |
| <p>a. Establishes a therapeutic relationship with patients and communicates well with family</p>  |                            |                               |                        |                          |                               |
| <p>b. Provides clear and thorough explanations of diagnosis, investigation and management</p>   |                            |                               |                        |                          |                               |
| <p>c. Prepares clinical documentation that is accurate and timely</p>   |                            |                               |                        |                          |                               |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                            |                               |                        |                          |                               |

SAMPLE

**CARDIAC SURGERY FITER (2013)**

| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <p><b>EXPECTATIONS</b></p> |                               |                        |                          |                               |
|---|----------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|
|   | <p>* Rarely meets</p>      | <p>* Inconsistently meets</p> | <p>Generally meets</p> | <p>Sometimes exceeds</p> | <p>* Consistently exceeds</p> |
| <p><b>COLLABORATOR</b></p>  |                            |                               |                        |                          |                               |
| <p>a. Interacts effectively with health professionals by recognizing and acknowledging their roles and expertise</p>  |                            |                               |                        |                          |                               |
| <p>b. Consults and delegates effectively</p>  |                            |                               |                        |                          |                               |
| <p>c. Collaborates effectively and constructively with other members of the health care team</p>  |                            |                               |                        |                          |                               |
| <p>d. Establishes good relationships with peers and other health professionals</p>  |                            |                               |                        |                          |                               |
| <p>e. Provides and receives information effectively</p>   |                            |                               |                        |                          |                               |
| <p>f. Handles conflict situations well</p>  |                            |                               |                        |                          |                               |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                            |                               |                        |                          |                               |



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| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <p><b>EXPECTATIONS</b></p> |                               |                        |                          |                               |
|---|----------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|
|   | <p>* Rarely meets</p>      | <p>* Inconsistently meets</p> | <p>Generally meets</p> | <p>Sometimes exceeds</p> | <p>* Consistently exceeds</p> |
| <p><b>MANAGER</b></p>   |                            |                               |                        |                          |                               |
| <p>a. Makes effective use of information technology, such as methods for searching medical databases</p>  |                            |                               |                        |                          |                               |
| <p>b. Makes cost-effective use of health care resources based on sound judgement</p>  |                            |                               |                        |                          |                               |
| <p>c. Describe the triage system for the surgical wait list; its rationale, and how patients are added or upgraded</p>  |                            |                               |                        |                          |                               |
| <p>d. Sets realistic priorities and uses time effectively in order to optimize professional performance</p>   |                            |                               |                        |                          |                               |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                            |                               |                        |                          |                               |

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| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <b>EXPECTATIONS</b> |                        |                 |                   |                        |
|---|---------------------|------------------------|-----------------|-------------------|------------------------|
|   | * Rarely meets      | * Inconsistently meets | Generally meets | Sometimes exceeds | * Consistently exceeds |
| <b>HEALTH ADVOCATE</b>  |                     |                        |                 |                   |                        |
| a. Demonstrates an understanding of the specialist role to intervene on behalf of patients with respect to the social, economic and biologic factors that may impact on their individual health                 |                     |                        |                 |                   |                        |
| b. Demonstrates an understanding of the specialist role to intervene on behalf of the community with respect to the social, economic and biologic factors that may impact on community health                   |                     |                        |                 |                   |                        |
| c. Recognizes and responds appropriately in advocacy situations   |                     |                        |                 |                   |                        |
| d. Assesses patients for risk factors for cardiovascular disease and advises appropriate intervention   |                     |                        |                 |                   |                        |
| e. Recognizes the need for ongoing quality assessment and improvement including management of medical error   |                     |                        |                 |                   |                        |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                     |                        |                 |                   |                        |

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| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | <b>EXPECTATIONS</b>          |                        |                             |                   |                        |
|---|------------------------------|------------------------|-----------------------------|-------------------|------------------------|
|   | * Rarely meets               | * Inconsistently meets | Generally meets             | Sometimes exceeds | * Consistently exceeds |
| <b>SCHOLAR</b>  |                              |                        |                             |                   |                        |
| a. Demonstrates an understanding of and a commitment to the need for continuous learning. Develops and implements an ongoing and effective personal learning strategy   |                              |                        |                             |                   |                        |
| b. Critically appraises medical information   |                              |                        |                             |                   |                        |
| c. Successfully integrates information from a variety of sources  |                              |                        |                             |                   |                        |
| d. Describes the principles of adult learning and helps others learn by providing guidance, teaching and by giving constructive feedback  |                              |                        |                             |                   |                        |
| e. Completes and disseminates the findings of a scholarly project   | <input type="checkbox"/> Yes |                        | <input type="checkbox"/> No |                   |                        |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                              |                        |                             |                   |                        |

**CARDIAC SURGERY FITER (2013)**

| <p><b>A rationale must be provided to support ratings with asterisks.</b></p>   | EXPECTATIONS   |                        |                 |                   |                        |
|---|----------------|------------------------|-----------------|-------------------|------------------------|
|   | * Rarely meets | * Inconsistently meets | Generally meets | Sometimes exceeds | * Consistently exceeds |
| <b>PROFESSIONAL</b>   |                |                        |                 |                   |                        |
| a. Demonstrates integrity, honesty, compassion and respect for diversity  |                |                        |                 |                   |                        |
| b. Fulfills medical, legal and professional obligations of the specialist   |                |                        |                 |                   |                        |
| c. Demonstrates reliability and conscientiousness   |                |                        |                 |                   |                        |
| d. Meets deadlines, is punctual, monitors patients and provides follow up   |                |                        |                 |                   |                        |
| e. Demonstrates an understanding of the principles of ethics and applies these in clinical situations   |                |                        |                 |                   |                        |
| f. Demonstrates an awareness of own limits, seeking advice when necessary. Accepts advice graciously  |                |                        |                 |                   |                        |
| <p>Please comment on the strengths and weaknesses of the candidate and provide a rationale for your ratings. Make direct reference to the specific objectives and give specific examples wherever possible.</p> |                |                        |                 |                   |                        |