

For Candidates to Complete

2013
VERSION 2.1

This portfolio applies to those who begin training on or after July 1st, 2013.

DEFINITION

Adult Interventional Cardiology is a medical discipline of adult Cardiology devoted to advancing patient care through the innovative integration of clinical, imaging-based diagnosis and minimally invasive therapy of cardiovascular diseases. More specifically, the discipline relates to the application of cardiac imaging modalities and hemodynamics to perform minimally invasive treatments, which often have less morbidity and mortality than existing treatment options.

GOALS

Upon completion of training, a candidate is expected to function as a competent specialist diplomate in Adult Interventional Cardiology, capable of an enhanced practice in this area of focused competence within the scope of adult Cardiology. The candidate must acquire a working knowledge of the theoretical basis of the discipline, including its foundations in the sciences and research.

The discipline of Adult Interventional Cardiology encompasses the expertise of:

1. Transcatheter cardiac diagnostic techniques
2. Interventional management of non-ST-elevation myocardial infarction (NSTEMI)/stable Coronary Artery Disease (CAD)
3. Interventional management of ST-elevation myocardial infarction (STEMI)
4. Diagnosis and interventional management of hemodynamic instability
5. Interventional approach to multi-vessel coronary artery disease
6. Catheter-based management of complex coronary lesion morphology
7. Identification and management of complex patient subsets needing percutaneous intervention
8. Medical, coronary, and non-coronary vascular complications of cardiac catheterization and percutaneous coronary intervention
9. Invasive diagnosis and knowledge of interventional management of non-coronary heart disease
10. Catheterization laboratory (cath lab) management

*COMPETENCY PORTFOLIO FOR THE DIPLOMA IN
ADULT INTERVENTIONAL CARDIOLOGY (2013)*

11. Scholarly advancement of percutaneous coronary interventions

Graduates must demonstrate the requisite knowledge, skills, and attitudes for effective patient-centred care and service to a diverse population. In all aspects of specialist practice, the graduate must be able to address issues of gender, sexual orientation, age, culture, ethnicity and ethics in a professional manner.

At the completion of training, the diplomate must demonstrate evidence of acquisition of the competencies described below:

Note: All markers must be signed off by the supervisor prior to adding to the portfolio.

Note: All submitted cases or clinical material must be de-identified to preserve patient privacy. This requires the removal of key identifiers, including but not limited to name, birth date, date of consultation, and location (e.g., hospital/clinic, city). In some cases, even without these identifiers, a patient could be identified by other information included in the case or clinical material (e.g., if the patient has a very rare condition, or lives in a remote area with a limited population size). In these instances de-identification may not be sufficient to ensure patient privacy. In such exceptional cases it would be advisable to obtain patient consent for the submission.

INSTRUCTIONS:

Complete the table below by indicating in a narrative how each competency was achieved (column A) and providing evidence of achievement of the competency (column B). All required educational activities as laid out in the *Competency Training Requirements for the Area of Focused Competence* (CTR) must be present in the portfolio in column A. To be acceptable for certification for the DRCPSC, all competencies must have been achieved, and there must be evidence for every competency. A single marker may provide evidence for multiple competencies. Append copies of assessment instruments or other exhibits of competence, appropriately labeling them so they are referenced in the portfolio table below.

*COMPETENCY PORTFOLIO FOR THE DIPLOMA IN
ADULT INTERVENTIONAL CARDIOLOGY (2013)*

In the view of the AFC Program Committee, this AFC trainee has acquired the competencies of the diploma program as prescribed in the Competency Portfolio and is competent to practice as a diplomate.

YES **NO**

COMMENTS

1. Transcatheter cardiac diagnostic techniques

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
1.1 Perform expert diagnostic coronary angiography		
1.2 Conduct and interpret appropriate intracoronary imaging		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
1.3 Conduct and interpret appropriate assessment of intracoronary physiology		
1.4 Measurement and interpretation of hemodynamic data including right heart catheterization		

2. Interventional management of non-ST-elevation myocardial infarction (NSTEMI) /stable Coronary Artery Disease (CAD)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
2.1 Assessment, development and communication of an interventional plan		
2.2 In catheter laboratory performance of the planned intervention		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
2.3 Knowledge and practical application of adjunctive pharmacotherapy		
2.4 Development, implementation and communication of post procedural management strategy or plan		

3. Interventional management of ST-elevation myocardial infarction (STEMI)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
3.1 Rapid assessment, triage, development and communication of a reperfusion plan		
3.2 In catheter laboratory performance of the planned intervention		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
3.3 Knowledge and practical application of adjunctive pharmacotherapy		
3.4 Development, implementation and communication of post reperfusion management strategy		

4. Diagnosis and interventional management of hemodynamic instability

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
4.1 Diagnosis of hemodynamic instability		
4.2 Interventional management of hemodynamic instability		

5. Interventional approach to multi-vessel coronary artery disease

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
5.1 Patient assessment and development and communication of a revascularization strategy		
5.2 Performance of percutaneous multi-vessel revascularization		

6. Catheter-based management of complex coronary lesion morphology

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
6.1 PCI of bifurcation lesions		
6.2 PCI of complex calcified lesions		

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
6.3 PCI of unprotected left main lesions		
6.4 PCI of chronic total occlusions (CTOs)		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
6.5 PCI of bypass graft lesions		
6.6 PCI of thrombotic lesions		

7. Identification and management of complex patient subsets needing percutaneous intervention

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
7.1 Assessment and management of the diabetic population		
7.2 Assessment and management of the patient requiring non-cardiac surgery		

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Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
7.3 Assessment and management of the patient at high bleeding risk or actively bleeding		
7.4 Assessment and management of the patient with chronic kidney disease (CKD)		

8. Medical, coronary, and non-coronary vascular complications of cardiac catheterization and percutaneous coronary intervention

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
8.1 Recognition and management of complications of coronary artery procedures		
8.2 Recognition and management of medical and non-coronary vascular complications		

9. Invasive diagnosis and knowledge of interventional management of non-coronary heart disease

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
9.1 Assessment and management plan of patients with valvular heart disease		
9.2 Assessment and management plan of patients with pericardial disease		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
9.3 Assessment and management plan of patients with congenital heart disease		
9.4 Assessment and management plan of patients with cardiomyopathies		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
9.5 Assessment and management plan of patients with pulmonary arterial hypertension		

Sample

10. Catheterization laboratory management

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
10.1 Knowledge and application of radiation safety		
10.2 Knowledge and application of appropriate sterile technique		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
10.3 Knowledge of issues related to operations, personnel and management		
10.4 Demonstration of knowledge regarding the importance of program development and advocacy		

COMPETENCY PORTFOLIO FOR THE DIPLOMA IN ADULT INTERVENTIONAL CARDIOLOGY (2013)

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
10.5 Able to manage their practice and career effectively		

Sample

11. Scholarly advancement of percutaneous coronary interventions

Key Portfolio Outcomes:	A. Describe how these competencies were achieved	B. Reference all markers as evidence of achievement of competencies <i>(reference appended exhibits)</i>
11.1 Conduct or contribute to an interventional cardiology research project or related scholarly activity		
11.2 Educate other physicians, other health professionals, members of the public, or government officials about aspects of interventional cardiology		

Provisional approval – Office of Education – June 2012
 Editorial revisions – Office of Education – September 2012; September 2013
 Approved – Specialty Standards Review Committee – October 2012
 Revised – Area of Focused Competence Working Group – April 2013