

AMBULATORY CARDIOLOGY CLINICS

CARDIOLOGY RESIDENCY PROGRAM

McMASTER UNIVERSITY

ROTATION SUPERVISOR: DR. NICHOLAS VALETTAS

OVERVIEW

The Ambulatory Clinics rotation will provide the trainee with exposure to the out-patient management of cardiac disease. The clinics will provide an excellent opportunity to gain experience in the management of patients who transition from in-patient care to the ambulatory clinic and also provide the opportunity for the provision of longitudinal care to these patients. As a result, the trainee will obtain a better understanding of the natural history of common cardiac diseases and the impact of therapeutic interventions initiated in an ambulatory setting.

The rotation will be exclusively out-patient-based and will consist of two distinct components:

1) Longitudinal Clinic

Over the 3 years of the cardiology residency program, each resident will be assigned to a weekly general cardiology half-day clinic supervised by a staff cardiologist. The resident will assume “ownership” of their patients and will provide longitudinal care throughout the year.

2) Person-based Clinics

The trainee will also attend, on a regular basis, out-patient office-based clinics, under the supervision of a specific faculty member. It is expected that the trainee will attend five half-day clinics (each with their own supervisor) each week. This will provide the trainee with exposure to a wide variety of sub-specialty clinics as well as exposing the trainee to a variety of practice styles. The trainee is allowed the flexibility of selecting the clinics he/she wants to attend based on their individual interests and which can include geographically remote clinics. However, it is **mandatory** for trainees to include heart function clinics, cardiac rehab, and cardiopulmonary stress testing within their clinic rotation schedules.

GOALS AND OBJECTIVES

The goals and objectives for the clinics rotation at the Hamilton General Hospital have been formulated to guide cardiology residents in identifying and acquiring the key competencies required to succeed as a consultant cardiologist and are based on the CanMEDS 2015 framework of the Royal College of Physicians and Surgeons of Canada. These key competencies include: medical expert, communicator, collaborator, leader, health advocate, scholar and professional. The rotation provides graded responsibility in achieving these objectives based on the resident’s level of training.

PGY 4:

The resident is able to:

1. Obtain a focused cardiac history and knows the relevance of specific symptoms.
2. Perform a focused cardiac physical examination and identify abnormal findings.
3. Generate a differential diagnosis and basic management plan.
4. Dictate a complete and thorough consultation letter.

PGY 5:

The resident builds on the previous skill set and is also able to:

1. Elicit abnormal physical examination findings and identify the pathophysiologic basis of the findings.
2. Develop a list of appropriate investigations and have an understanding of the sensitivity and specificity of these investigations.
3. Generate a specific and hierarchical differential diagnosis.
4. Dictate a complete consultation letter that distills the key information.

PGY 6:

The resident develops core consultant level skills and is able to:

1. Understand the clinical significance of abnormal physical examination findings and integrate these findings into

- clinical decisions.
2. Interpret the results of cardiac investigations within the context of the patient's clinical presentation.
 3. Synthesize the data from the history, physical exam and laboratory investigations and generate a specific differential diagnosis and develop a thorough management plan.
 4. Dictate a concise consultation letter that clearly identifies the diagnosis and management plan.

CANMEDS COMPETENCIES

A MEDICAL EXPERT

Global Objective: To acquire the medical knowledge and clinical skills necessary to provide high quality and safe patient-centered care.

1. Elicit a history that is accurate, concise and relevant to the patient's presenting complaint.
2. Perform a complete cardiac physical examination.
3. Collect and interpret previous relevant cardiac investigations.
4. Formulate and prioritize a problem list with emphasis on the primary reason for referral.
5. Initiate further investigations in a cost effective manner with emphasis on acquiring information that will influence treatment and outcomes.
6. Develop a management plan with appropriate time line for follow-up.
7. Recognize when the clinical situation requires subspecialty consultation.

B COMMUNICATOR

Global Objective: To develop relationships with patients, families, and health professionals which facilitate the gathering and sharing of information essential for effective health care

1. Keep the referring physician informed by written communication in a concise and timely manner.
2. Effectively educate patients and their families about the cardiac problem and outline the management plan, including potential complications.

C COLLABORATOR

Global Objective: To work effectively with other health care professionals to provide safe, high quality, patient-centered care

1. Recognize when cardiac sub-specialty consultation is required and work with the sub-specialty consultants to optimize patient care.
2. Work effectively with allied health professionals and clinic support staff to minimize patient wait times.

D LEADER

Global Objective: To develop a vision of a high quality health care system and take responsibility for effecting change to move the system toward the achievement of that vision

1. Use evidence-based medicine to achieve cost-appropriate patient care and efficient allocation of health care resources.
2. Set priorities and manage time to develop effective practice patterns.
3. Use health informatics to improve quality of patient care and enhance safety.

E HEALTH ADVOCATE

Global Objective: To develop a partnership with patients, their families, and support agencies to influence health determinants

- 1 Work with patients to address determinants of health that affect them and their access to needed health services or resources.
- 2 Recognize opportunities for advocacy, health promotion and disease prevention in clinic patients and access local health professionals/resources to promote a healthy lifestyle.

F SCHOLAR

Global Objective: To demonstrate a lifelong commitment to excellence in practice through continuous learning, the teaching of others, the evaluation of evidence, and contributions to scholarship

- 1 Engage in CME through self-directed learning by the development and implementation of a personal learning plan to enhance professional practice.
- 2 Demonstrate ability to critically appraise the medical literature and integrate best available evidence into practice.
- 3 Contribute to the dissemination of knowledge by educating junior learners and other health professionals.

G PROFESSIONAL

Global Objective: To demonstrate ethical practice, high personal standards of behavior, dedication to the profession and maintenance of personal health

- 1 Exhibit appropriate professional behaviours and relationships in all aspects of practice, demonstrating honesty, integrity, humility, commitment, compassion, respect, altruism, respect for diversity, and maintenance of confidentiality.
- 2 Understand the nature of professional interpersonal relationships and boundaries with patients, junior medical staff and allied health staff.
- 3 Practice medicine in an ethical and responsible manner understanding the professional, legal and ethical codes to which physicians are bound.



PG ITER - Cardiology/Internal Medicine

Rotation: Cardiology Clinics
Level: PGY4

Legend:

N/A - Non Applicable

- 1 - **Unsatisfactory**: Performs significantly lower than level of training
- 2 - **Provisional Satisfactory**: Performs lower than level of training
- 3 - **Satisfactory**: Meets expectations at level of training
- 4 - **Very Good**: Exceeds expectations for level of training
- 5 - **Outstanding**: Significantly exceeds expectations for level of training

NOTE: If the learner functions at their training level, then the learner should obtain a score of Satisfactory.

Medical Expert

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Demonstrates competence in obtaining a focused cardiac history that is accurate and relevant to the presenting complaint.	0	0	0	0	0	0
Demonstrates competence in performing a focused physical examination and identifying abnormal findings.	0	0	0	0	0	0
Is able to generate a differential diagnosis and basic management plan.	0	0	0	0	0	0
Is able to dictate an appropriate consultation letter.	0	0	0	0	0	0

Communicator

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Dictates concise yet complete consultation letters to the referring physician.	0	0	0	0	0	0
Effectively educates patients and their families about the cardiac problem and outlines the management plan, including potential complications.	0	0	0	0	0	0

Collaborator

	Unsatisfactory	Provisional Satisfactory	Satisfactory	Very Good	Outstanding
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	1	2	3	4	5	N/A
Recognizes when cardiac sub-specialty consultation is required and works with the sub-specialty consultants to optimize patient care.	0	0	0	0	0	0
Work effectively with allied health professionals and clinic support staff to minimize patient wait times.	0	0	0	0	0	0

Leader

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Engages in cost-effective practice to preserve health care resources.	0	0	0	0	0	0
Demonstrates effective time-management skills.	0	0	0	0	0	0
Contributes to the Improvement of health care delivery and safety by using health informatics.	0	0	0	0	0	0

Health Advocate

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Works with patients to address determinants of health that affect them and their access to needed health services or resources.	0	0	0	0	0	0
Promotes disease prevention and health surveillance.	0	0	0	0	0	0

Scholar

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Engages in the continuing medical education by self-directed learning around the cases seen in clinic.	0	0	0	0	0	0
Integrates best available evidence into practice by critical evaluation of the medical literature	0	0	0	0	0	0
Contributes to dissemination of knowledge by teaching junior learners.	0	0	0	0	0	0

Professional

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Delivers care with integrity, honesty and compassion.	0	0	0	0	0	0

Exhibits appropriate personal and interpersonal behaviour, respecting the rights and dignity of patients and their families.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practices medicine in an ethical and responsible manner understanding the professional, legal and ethical codes to which physicians are bound.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

OVERALL COMPETENCE (FOR LEVEL OF TRAINING)

	Incomplete 1	Unsatisfactory 2	Provisional Satisfactory 3	Satisfactory 4
Please check the appropriate box for the overall competency of this learner's training level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Was input sought from other faculty, allied health professionals, or patients and their family members? <i>(If yes, please please specify in the comment box provided immediately below)</i>				<input type="radio"/> Yes <input type="radio"/> No

Comments

Summative Comments

(Any item evaluated above or below a 3, must include comments and examples to justify the rating)

Formative Comments

(Please provide 1-2 items for the resident to improve upon in order to progress along the competency continuum)



PG ITER - Cardiology/Internal Medicine

Rotation: Cardiology Clinics
Level: PGY5

Legend:

N/A - Non Applicable

- 1 - **Unsatisfactory**: Performs significantly lower than level of training
- 2 - **Provisional Satisfactory**: Performs lower than level of training
- 3 - **Satisfactory**: Meets expectations at level of training
- 4 - **Very Good**: Exceeds expectations for level of training
- 5 - **Outstanding**: Significantly exceeds expectations for level of training

NOTE: If the learner functions at their training level, then the learner should obtain a score of Satisfactory.

Medical Expert

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Demonstrates efficiency in obtaining a complete history	0	0	0	0	0	0
Is able to elicit abnormal physical findings and identify the pathophysiologic basis of the findings.	0	0	0	0	0	0
Is able to generate a hierarchical differential diagnosis.	0	0	0	0	0	0
Is able to generate a detailed management plan.	0	0	0	0	0	0

Communicator

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Dictates concise yet complete consultation letters to the referring physician.	0	0	0	0	0	0
Effectively educates patients and their families about the cardiac problem and outlines the management plan, including potential complications.	0	0	0	0	0	0

Collaborator

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
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Recognizes when cardiac sub-specialty consultation is required and works with the sub-specialty consultants to optimize patient care.	0	0	0	0	0	0
Work effectively with allied health professionals and clinic support staff to minimize patient wait times.	0	0	0	0	0	0

Leader

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Engages in cost-effective practice to preserve health care resources.	0	0	0	0	0	0
Demonstrates effective time-management skills.	0	0	0	0	0	0
Contributes to the Improvement of health care delivery and safety by using health informatics.	0	0	0	0	0	0

Health Advocate

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Works with patients to address determinants of health that affect them and their access to needed health services or resources.	0	0	0	0	0	0
Promotes disease prevention and health surveillance.	0	0	0	0	0	0

Scholar

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Engages in the continuing medical education by self-directed learning around the cases seen in clinic.	0	0	0	0	0	0
Integrates best available evidence into practice by critical evaluation of the medical literature	0	0	0	0	0	0
Contributes to dissemination of knowledge by teaching junior learners.	0	0	0	0	0	0

Professional

	Unsatisfactory 1	Provisional Satisfactory 2	Satisfactory 3	Very Good 4	Outstanding 5	N/A
Delivers care with integrity, honesty and compassion.	0	0	0	0	0	0

Exhibits appropriate personal and interpersonal behaviour, respecting the rights and dignity of patients and their families.

Practices medicine in an ethical and responsible manner understanding the professional, legal and ethical codes to which physicians are bound.

OVERALL COMPETENCE (FOR LEVEL OF TRAINING)

	Incomplete	Unsatisfactory	Provisional Satisfactory	Satisfactory
	1	2	3	4

Please check the appropriate box for the overall competency of this learner's training level

Was input sought from other faculty, allied health professionals, or patients and their family members?
(If yes, please please specify in the comment box provided immediately below)

Yes

No

Comments

Summative Comments

(Any item evaluated above or below a 3, must include comments and examples to justify the rating)

Formative Comments

(Please provide 1-2 items for the resident to improve upon in order to progress along the competency continuum)

Collaborator

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Contributes to the Improvement of health care delivery and safety by using health informatics.	0	0	0	0	0	0

Health Advocate

	Unsatisfactory	Provisional Satisfactory	Satisfactory	Very Good	Outstanding	
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Works with patients to address determinants of health that affect them and their access to needed health services or resources.	0	0	0	0	0	0
Promotes disease prevention and health surveillance.	0	0	0	0	0	0

Scholar

	Unsatisfactory	Provisional Satisfactory	Satisfactory	Very Good	Outstanding	
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Contributes to dissemination of knowledge by teaching junior learners.	0	0	0	0	0	0

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Delivers care with integrity, honesty and compassion.	0	0	0	0	0	0
Exhibits appropriate personal and interpersonal behaviour, respecting the rights and dignity of patients and their families.	0	0	0	0	0	0
Practices medicine in an ethical and responsible manner understanding the professional, legal and ethical codes to which physicians are bound.	0	0	0	0	0	0

OVERALL COMPETENCE (FOR LEVEL OF TRAINING)

	Incomplete	Unsatisfactory	Provisional Satisfactory	Satisfactory
	1	2	3	4
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Was input sought from other faculty, allied health professionals, or patients and their family members? <i>(If yes, please please specify in the comment box provided immediately below)</i>				<input type="radio"/> Yes <input type="radio"/> No

Comments

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