

## VASCULAR SURGERY

(Off-service rotation)

### ROTATION SPECIFIC GOALS AND OBJECTIVES

In keeping with the specific standards of accreditation (2009) this rotation assumes administrative support and university affiliation.

#### I MEDICAL EXPERT

As *Medical Experts*, Vascular Surgeons integrate all of the CanMEDS Roles, applying medical knowledge, clinical skills, and professional attitudes in their provision of patient-centered care. *Medical Expert* is the central physician Role in the CanMEDS framework.

***Key and Enabling Competencies: Vascular Surgeons are able to...***

#### **1. Function effectively as consultants, integrating all of the CanMEDS Roles to provide optimal, ethical and patient-centered medical care**

- Perform 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. The consultation will advise on diagnosis and directing treatment in patients with Common vascular conditions

#### **2. Establish and maintain clinical knowledge, skills and attitudes appropriate to Vascular Surgery practice**

- Differentiate the patterns of disease, natural history, and responses to treatment of vascular disease in men and women and in different racial and cultural groups
- Describe the operative and non-operative treatment options available to patients with vascular disease, including endovascular therapy
- Provide a strategy for risk stratification and risk factor modification in patients with vascular disease
- Explain the effect of different coagulation disorders on the vascular system
- Summarize the non-invasive and invasive diagnostic modalities available, including indications and complications
- Describe the behaviours of biological and synthetic grafts and their respective complications
- Interpret appropriate biostatistics and epidemiology measures as they relate to Vascular Surgery

#### **3. Perform a complete and appropriate assessment of a Vascular Surgery patient**

- Elicit a history that is relevant, clear, concise and accurate to context and preferences for the purposes of prevention and health promotion, diagnosis and/or management
- Perform a focused physical examination that is relevant and accurate for the purposes of prevention and health promotion, diagnosis and/or management

- Select medically appropriate investigative methods in a resource-effective and ethical manner
- Demonstrate effective clinical problem solving and judgment to address patient problems, including interpreting available data and integrating information to generate differential diagnoses and management plans

#### **4. Use preventive and therapeutic interventions effectively**

- Implement a management plan in collaboration with a patient and their family
- Demonstrate appropriate and timely application of preventive and therapeutic interventions relevant to the practice of Vascular Surgery including risk factor modification

#### **5. Demonstrate proficient and appropriate use of procedural skills, both diagnostic and therapeutic**

- Demonstrate effective, appropriate, and timely performance of diagnostic procedures relevant to Vascular Surgery, including invasive imaging modalities
- Application and interpretation of venography, angiography and invasive imaging modalities
- Application and interpretation of non-invasive imaging modalities
- Apply knowledge and skills in the application of endovascular interventions, and other treatment modalities

## **II COMMUNICATOR**

### ***Definition:***

As *Communicators*, Vascular Surgeons effectively facilitate the doctor-patient relationship and the dynamic exchanges that occur before, during, and after the medical encounter.

- Develop rapport, trust, and ethical therapeutic relationships with patients and families
- Accurately elicit and synthesize relevant information and perspectives of patients and families, colleagues, and other professionals
- Convey relevant information and explanations accurately to patients and families, colleagues and other professionals
- Develop a common understanding on issues, problems and plans with patients, families, and other professionals to develop a shared plan of care
- Convey effective oral and written information about a medical encounter
- Maintain clear, concise, accurate, and appropriate records (e.g., written or electronic) of clinical encounters and plans
- Present verbal reports of clinical encounters and plans

## **III COLLABORATOR**

As *Collaborators*, Vascular Surgeons effectively work within a health care team to achieve optimal patient care.

### **1. Participate effectively and appropriately in an interprofessional Vascular Surgery team**

- Recognize and respect the diversity of roles, responsibilities and competences of other professionals in relation to their own
- Work with others to assess, plan, provide and integrate care for individual patients (or groups of patients)
- Respect team ethics, including confidentiality, resource allocation and professionalism

## **2. Work with other health professionals effectively to prevent, negotiate, and resolve interprofessional conflict**

- Demonstrate a respectful attitude towards other colleagues and members of an interprofessional team
- Reflect on interprofessional team function

## **IV LEADER**

As *Managers*, Vascular Surgeons are integral participants in health care organizations, organizing sustainable practices, making decisions about allocating resources, and contributing to the effectiveness of the health care system.

### **1. Participate in activities that contribute to the effectiveness of their health care organizations and systems**

- Describe the structure and function of the health care system as it relates to Vascular Surgery, including the roles of physicians
- Describe principles of health care financing, including physician remuneration, budgeting and organizational funding

### **2. Manage their practice and career effectively**

- Set priorities and manage time to balance patient care, practice requirements, outside activities and personal life
- Employ information technology appropriately for patient care and life long learning

### **3. Allocate finite health care resources appropriately**

- Recognize the importance of just allocation of health care resources, balancing effectiveness, efficiency and access with optimal patient care
- Apply evidence and management processes for cost-appropriate care

## **V SCHOLAR**

As *Scholars*, Vascular Surgeons demonstrate a lifelong commitment to reflective learning, as well as the creation, dissemination, application and translation of medical knowledge.

- Maintain and enhance professional activities through ongoing learning
- Critically evaluate medical information and its sources, and apply this appropriately to practice decisions

- Facilitate the learning of patients, families, students, residents, other health professionals, the public and others, as appropriate
- Select effective teaching strategies and content to facilitate others' learning
- Demonstrate an effective lecture or presentation
- Assess and reflect on a teaching encounter

## VI HEALTH ADVOCATE

As *Health Advocates*, Vascular Surgeons responsibly use their expertise and influence to advance the health and well-being of individual patients, communities, and populations.

### 1. Respond to individual patient health needs and issues as part of patient care

- Identify the health needs of an individual patient
- Identify opportunities for advocacy, health promotion and disease prevention with individuals to whom they provide care
- Manage the appropriate risk factors as they affect the overall health of vascular patients
- Advocate for the timely delivery of care to the vascular patient
- Describe the principles of ethics with respect to teaching

### 2. Identify the determinants of health for the populations that they serve

- Identify the determinants of health of the populations, including barriers to access to care and resources
- Advocate for the management of risk factors in vascular patients with a multi-system disease.
- Identify vulnerable or marginalized populations within those served and respond appropriately

### 3. Promote the health of individual patients, communities, and populations

- Describe the role of the medical profession in advocating collectively for health and patient safety

## VII PROFESSIONAL

As *Professionals*, Vascular Surgeons are committed to the health and well-being of individuals and society through ethical practice, profession-led regulation, and high personal standards of behaviour.

### 1. Demonstrate a commitment to their patients, profession, and society through ethical practice:

- Exhibit appropriate professional behaviors in practice, including honesty, integrity, commitment, compassion, respect and altruism
- Recognize and appropriately respond to ethical issues encountered in practice
- Manage conflicts of interest
- Recognize the principles and limits of patient confidentiality as defined by professional practice standards and the law
- Maintain appropriate relations with patients

**2. Demonstrate a commitment to their patients, profession and society through participation in profession-led regulation**

- Demonstrate appropriate professional behaviours in all settings including the operating room, clinics, ward and learning environment

**3. Demonstrate a commitment to physician health and sustainable practice**

- Balance personal and professional priorities to ensure personal health and a sustainable practice
- Strive to heighten personal and professional awareness and insight

Approved by RPC on January 24, 2023

## VASCULAR SURGERY - APPENDIX 1

### RESIDENT VASCULAR SURGERY ROTATION

NAME \_\_\_\_\_

PGY LEVEL \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

Rotation Goals and Objectives

See attached

Reviewed by resident

SPECIFIC GOALS / Resident discussion

Reviewed by resident

Expected responsibilities

- Call
- OR Coverage
- Clinic Coverage

Mid Rotation Evaluation;

Final Evaluation

BEGINNING OF ROTATION

END OF ROTATION

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Signature (Resident)

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Signature (Resident)

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Signature (Attending)

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Signature (Attending)

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Signature (CTU)