

Elective: Orthopaedic Surgery; Sports

OVERVIEW

Welcome to the Section of Orthopedic Surgery at The Pan Am Sports Medicine Centre. Although your rotation here will be relatively short, it can be a productive sampling of a very interesting subspecialty in Orthopaedic Surgery.

The emphasis of this rotation will be on Sports and Upper Extremity surgery with Drs. Peter MacDonald and James Dubberley. Clerks will participate in clinics that include the examination of shoulder and knee sports injuries and provide exposure to arthroscopic surgery of the shoulder and knee, as well as other procedures.

INTRODUCTION

Location(s):

Pan Am Clinic

Students will be under the direct supervision of the attending staff and the orthopedic fellow and/or resident on service.

Preceptors:

Attending Surgeons

Dr. Peter MacDonald, Professor

Dr. James Dubberley, Assistant Professor

Dr. Jason Old, Assistant Professor

Contact Person:

Michelle Elands, Program Administrator

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LEARNING OBJECTIVES (CanMEDS)

Medical Expert

As Medical Experts, physicians integrate all of the CanMEDS Roles, applying medical knowledge, clinical skills and professional attitudes in their provision of patient-centered care.

Students will:

- become familiar with the common injuries to the shoulder and knee
- gain skills in examination of the shoulder and knee
- acquire a basic understanding of the treatment of shoulder and knee injuries – particularly arthroscopic surgery.
- prepare and present a topic of interest to the clerk. Examples include but are not limited to the following:
- Achilles' tendon ruptures

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- Meniscal tears
- ACL or PCL tears
- Treatment of early osteoarthritis of the knee
- Hip arthroscopy
- Scaphoid fractures
- Elbow sports injuries
- Shoulder instability
- Rotator cuff injuries

Please discuss your choice of a topic with your preceptor at the beginning of the rotation.

Communicator

Physicians effectively facilitate the doctor-patient relationship and the dynamic exchanges that occur before, during, and after the medical encounter.

As Communicators, students will facilitate the doctor-patient relationship:

- Establish rapport, trust and a therapeutic relationship with patients and families.
- Listen effectively.
- Elicit relevant information and perspectives of patients, families, and the health care team.
- Convey relevant information and explanations to patients, families and the health care team.
- Convey effective oral and written information about a medical encounter.
- Maintain clear, accurate, appropriate, and timely records of clinical encounters and operative procedures
- Address challenging communication issues effectively
- Obtaining informed consent
- Delivering bad news
- Disclosing adverse events
- Discussing end-of-life care
- Discussing organ donation
- Addressing anger, confusion and misunderstanding

Collaborator

Physicians effectively work within a healthcare team to achieve optimal patient care.

As Collaborators, students will work effectively within the surgical team to achieve optimal patient care:

- Understand the team approach to health care
- Participate effectively in an interprofessional and interdisciplinary health care team.
- Recognize and respect the diversity of roles, responsibilities, and competences of other health professionals in the management of the surgical patient.
- Work with others to assess, plan, provide, and integrate care of the surgical patient.

Leader

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Physicians engage with others to contribute to a vision of a high-quality health care system and take responsibility for the delivery of excellent patient care through their activities as clinicians, administrators, scholars, or teachers.

As Leaders, students will participate in the activities of the surgical service, making decisions, allocating resources, and contributing to the effectiveness of the health care team:

- Employ information technology appropriately for patient care.
- Allocate finite health care resources appropriately

Health Advocate

Physicians responsibly use their expertise and influence to advance the health and well-being of individual patients, communities and populations.

As Health Advocates, students will responsibly use their expertise and influence to advance the health and well-being of individual patients, communities and populations:

- Concern for the best interest of patients
- Identifying health needs of individual patients
- Promote and participate in patient safety

Scholar

Physicians demonstrate a lifelong commitment to reflective learning, as well as the creation, dissemination, application and translation of medical knowledge.

As Scholars, students will demonstrate a lifelong commitment to learning:

- Ability for continuing self-learning
- Learning the principles of surgery and the application of basic sciences to surgical treatment.
- Demonstrate appropriate presentation skills, including formal and informal presentations.
- Critically evaluate medical information and its sources and apply this appropriately to clinical decisions.
- Critically appraise the evidence in order to address a clinical question.
- Integrate critical appraisal conclusions into clinical care.

Professional

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

As Professionals, students are committed to health and well-being of individuals through ethical practice, profession-led regulation and high personal standards of behavior:

- Exhibit professional behaviors in practice, including honesty, integrity, commitment, compassion, respect and altruism.
- Demonstrate a commitment to delivering the highest quality care.
- Recognize and respond appropriately to ethical issues encountered in practice.
- Recognize and respect patient confidentiality, privacy and autonomy.
- Participation in peer review

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- Manage conflicts of interest
 - Maintain appropriate relations with patients.
 - Demonstrate awareness of industry influence on medical training and practice
 - Recognition of personal and clinical limitations
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INFORMATION

These are locations, readings, evaluations, call responsibilities, etc.

Required Reading

Lawrence Essentials of Surgical Specialties, 2nd ed. Chapters of particular relevance to this rotation include:

- Chapter 7 - Orthopedic Surgery - Diseases of the Musculoskeletal System

Suggested Reading

A variety of orthopedic textbooks are available to borrow from the attending staff. Particularly useful are books on physical examination, such as the following:

- Musculoskeletal Examination (Hawkins)
- Examination of the Spine and Extremities (Hoppenfield)

Teaching Unit

Pan Am Clinic

Evaluations

An exit interview should be set up at the beginning of the rotation so that student evaluations may be completed.

Service evaluation by student to be handed in at the end of rotation to Surgery Education Office.

Call Responsibilities

There are no call responsibilities for this rotation.

WARD ACTIVITIES

These are examples of schedules, expectations, rotation details, etc. All the details below are subject to change.

Service Activities

Clinic

OR

Teaching Sessions

Ortho Rounds