

# Elective: Plastic Surgery

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## OVERVIEW

Welcome to Plastic Surgery. We hope your time on our service will be instructional and enjoyable.

## INTRODUCTION

### Location(s):

Health Sciences Centre  
St. Boniface General Hospital

### Preceptors:

### Attending Surgeons

#### Health Sciences Staff:

Dr. Edward Buchel (Section Head, Plastic Surgery) – Reconstructive Microsurgery, Cosmetics  
Dr. Thomas Hayakawa – Reconstructive Microsurgery, Hand Surgery  
Dr. Leif Sigurdson – General Plastic Surgery, Microsurgery, Hand Surgery, Craniofacial, Pediatrics  
Dr. Lonny Ross - Pediatric Plastic Surgery, Craniofacial  
Dr. Sarvesh Logsetty – Burn Surgeon, General Surgery Trauma  
Dr. Jyoti McGregor – Pediatric Plastic Surgery

#### St. Boniface Staff:

Dr. Christian Petropolis (Program Director Plastic Surgery) – General Plastic Surgery, Hand & Microsurgery  
Dr. Kenneth Murray – General Plastic Surgery  
Dr. Balbir Singh – General Plastic Surgery  
Dr. Kenneth Dolynchuk – General Plastic Surgery

### Contact Person:

Cherie Marynowski, Program Administrator  
Phone: (204) 787-1094  
[cmarynowski@hsc.mb.ca](mailto:cmarynowski@hsc.mb.ca)

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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.

- Concept of Plastic Surgery and its breadth
- Basic suturing and wound closure skills (including understanding of different suture techniques and materials)
- Knowledge of basic wound care and dressings. In particular, the work-up and treatment options for diabetic foot ulcers, venous stasis ulcers, pressure sores and burns, lacerations
- Ability to identify and examine common Plastic Surgery problems, with emphasis on:

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- examination of the hand and upper extremity; acute flexor and extensor tendon injuries, carpal tunnel syndrome, cubital tunnel syndrome, acute nerve injuries, finger tip and nail bed injuries, finger fractures.
- burns - acute management
- craniofacial trauma (zygoma, mandible, LeFort), including examination and initial emergency management
- common skin tumours and skin lesions
- breast reconstruction (TRAM flap, latissimus dorsi, tissue expanders, implants)
- skin grafts

This will be achieved by regular attendance and participation as a member of the Plastic Surgery Team. We hope that all clinical clerks will feel as an integral part of the team and participate actively with their suggestions in patient care. If at any time you have any questions or concerns, please feel free to approach any staff member or resident.

## **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 General Surgery, 3rd Ed. Chapters of particular relevance to this rotation include:

- Chapter 7 - Wounds & Wound Healing
- Chapter 8 - Surgical Infections
- Chapter 10 - Burns
- Chapter 26 - Surgical Procedures, Techniques & Skills

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

- Chapter 4 - Plastic Surgery: Diseases of the Skin and Soft Tissue, Face and Hand

## **Suggested Reading**

### ***The Red Book***

- Download or read online -- <http://www.plasticsurgery.org>
- Click on "Medical Professionals"
- Click on "Publications"
- Click on "Plastic and Reconstructive Surgery Essentials For Students"

### ***Hand***

- Grabb & Smith's Plastic Surgery, 4th or 5th Ed, Little Brown & Co.
- Green's Operative Hand Surgery, 3rd Ed, Vol. 1&2, Churchill Livingstone

### ***Wound Care & Dressings***

- Grabb & Smith's Plastic Surgery
- Vascular Skin Ulcers of Limbs; Tam et al. Cardiology Clinics 9(3):555, Aug. 1991
- Occlusive Wound Dressings. Why, When, Which? A Review, Falanga; Archives of Dermatology 124:872-877, June 1988

### ***Burns***

- Grabb & Smith's Plastic Surgery
- Burn Shock Resuscitation; Warden et al., World J. Surg. 16:16-23, 1992
- Burn Depth: A Review; Hemibach, et al. World J. Surg. 16:10-15, 1992

### ***Facial Fractures***

- Grabb & Smith's Plastic Surgery
- Rowe & Williams' Maxillofacial Injuries, Vol. 1&2, 1985, Churchill Livingstone

### ***Common Skin Tumours***

- Clinics in Plastic Surgery "Benign Skin Tumours" 14(2), April 1987
- Clinics in Plastic Surgery "Dermatology for Plastic Surgeons" 20(1), January 1993
- Lever's Histopathology of the Skin, Lippincott-Raven

### ***Breast Reconstruction***

- Grabb & Smith's Plastic Surgery

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## **Skin Grafts**

- Grabb & Smith's Plastic Surgery

## **Teaching Unit**

The Plastic Surgery ward at HSC is located on GH5.

The Plastic Surgery ward at SBGH is located on 7AWest.

## **Call Responsibilities**

- Students are expected to be on call 1-in-5 and cover the emergency room during those days. This usually does not preclude participating in clinics, the OR's, etc., as both can usually be managed simultaneously.
- Students are also expected to pick one weekend day during their rotation to cover a 24 hour call period.
- If the student has no preference, a weekend day will be assigned to her/him.
- Students should feel free to see patients in the emergency on other (non-call) days, as this may represent some of the best learning and "hands-on" opportunities.
- If a clinical clerk admits a patient she/he should make every effort to follow this patient through their inpatient stay, possible operative intervention, post-operative period to discharge in order to maximize the learning value of inpatient plastic surgical care. Residents and staff will support and attempt to facilitate this as much as possible.
- Home call

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## **WARD ACTIVITIES**

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

### **Expectations**

- Prior to starting rotation, please obtain a schedule as this is invaluable in planning your weeks and knowing where to be at what times.
- Please page the Plastic Surgery Resident on call prior to starting rotation to find out where to meet.
- Please contact the appropriate chief resident and introduce yourself to
  - Dr. T.E.J. Hayakawa & Dr. L.L. Ross at HSC
- Please liaise with the senior resident on the service each morning at rounds for your daily instructions.
- Your performance, during your plastic surgery rotation, will be assessed according to the "Final Departmental Evaluation". In addition, your attendance and punctuality for rounds, clinics and the ORs will be factored into your evaluation.

### **Ward Rounds**

- Please refer to the schedule for daily times.
- Clinical clerks are expected to participate in morning rounds and choose 2-5 patients on the ward who they will follow and be responsible for. This includes participating in the patient care

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plan, writing daily program notes, checking laboratory values, monitoring progress, checking and adjusting medications, etc.

- It is not necessary to see patients prior to morning rounds, as they will be reviewed every morning with the team.

## Clinics

Clinical Clerks are expected to attend a minimum of 2 clinics a week .

## Operating Room

- We hope that students will take advantage of a number of OR experiences, including pediatric, minor procedures, cosmetic/private facilities and main OR.
- Clerks are expected to attend at least one OR day per week.
- OR experiences and the emergency provide the ideal forum for hands-on teaching and allow the students to develop surgical skills and judgment.
- They are to attend the operating rooms and a minimum of two clinics/week (assigned to them by the Senior Resident).

## Weekly Teaching Schedule

*September – June*

### *Monday*

0700 – 0745

Ward Rounds, H5 (#73775)

730 – 1530

OR, General Centre (Dr. Hayakawa - #73524)

0730 – 1530

OR, General Centre (Dr. Buchel - #73524)

0745 – 1530

OR, Children's Centre – Wks 1 & 3 (Dr. Ross - #72240)

0745 – 1300

OR, Children's Centre – Wks 2 & 4 (Dr. Ross - #72240)

1200 – 1530

Children's Locals, MS3 (Open Wk 1 & 3 - #71292)

1600 – 1700

Clinical Teaching Session, Rms. PX236/238, Psychealth Theatre (# )

1700 - 1800

Seminar Session, Rms. PX236/238 Psychealth Theatre (# )

1700 – 1800

Case Presentations, Psychealth Theatre (#) followed by Journal Club (last Monday of the month – place to be determined by assigned staffman – schedule can be obtained from GC413)

### *Tuesday*

0630 – 0730

Ward Rounds, H5 (#73775)

0730 – 1530

OR, General Centre (Dr. Buchel - #73524)

0730 – 1530

OR, General Centre (Dr. Hayakawa - #73524)

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0900 – 1130

Children's OPD Clinic, Unit 3 (Dr. Ross - #72667)

1300 – 1530

Children's OPD Clinic, Unit 3 (Dr. Ross - #72667)

### *Wednesday*

0600 – 0645

Ward Rounds, H5 (#73775)

0700 – 0800

Photo Rounds, Rm. Z3052 – St. Boniface General Hospital, Surgical Library #235-3073 (First 2 weeks of the month)

0700 – 0800

McCarthy Club, Rm. GC413 (Last 2 Wks Of The Month)

0730 – 1230

Adult Out-Patient Clinic, GD1 (Dr. Hayakawa - #73793)

0745 – 0845

Surgical Grand Rounds (when requested by program director)

0900 – 1200

Head & Neck Clinic, Unit 1, Cancercare (Dr. Buchel - #72180)

0900 – 1530

OR, General Centre (Dr. Ziesmann - #73524)

0900 – 1530

OR, General Centre (Dr. Logsetty - #73524)

0900 – 1530

OR, Children's Centre (Dr. Ross - #72240)

1300 – 1700

Adult Out-Patient Clinic, GD1 (Dr Buchel - #73793)

1300 – 1700

Oncology/Head & Neck Clinic, Unit I, Cancercare (Dr. Hayakawa - #72180)

1700 – 1800

(Anatomy Session once per month) try to schedule same week as Problem Hand Rounds

### *Thursday*

0630 – 0730

Ward Rounds, H5 (#73775)

0700 – 0900

Adult OPD Clinic – Yellow Desk (GD1) (Dr. Ross – #73793)

0730 – 1530

Western Surgery Centre (Dr. Buchel - #633-1108)

0800 – 1600

Pan Am OR (Dr. Hayakawa - #925-1553)

0830 – 1230

Adult OPD Clinic – RR4 (Dr. Sigurdson)

0900 – 1130

Nasendoscopic Clinic, Unit 2 alternating weeks with Children's Starscanner Clinic (Dr. Ross - #72672)

0900 – 1200

Adult Out-Patient Clinic, GD1 (Dr. Logsetty - #73793)

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0915 – 1030

Ward Rounds, CK3 (#74785)

1300 – 1530

Cleft Palate Clinic, Unit 2 alternating weeks with Craniofacial Clinic (Dr. Ross - #72672)

## *Friday*

0600 – 0645

Wards Rounds, H5 (#73775)

0630 – 0730

Photo Rounds, Rm. GC413 (Last 2-3 weeks of the month)

0730 – end

McCarthy Club, Rm. Z3052 - St. B. Surgical Library #235-3073 (First 2 weeks of the month)

0730 – 1530

The Maples Surgical Centre (Dr. Buchel/Dr. Ross – 633-1108) alternating weeks with OR, General Centre (Dr. Buchel/Dr. Ross - #73524)

## **Sample Schedule**

	Mon	Tues	Wed	Thurs	Fri
6:00-8:00	Ward rounds	Ward rounds	Ward rounds 6:45-7:45- Hand Rounds	Ward rounds	Ward rounds
AM	Clinic/OR*	Clinic/OR*	Clinic/OR*	Academic Day	Clinic/OR*
PM	Clinic/OR*	Clinic/OR*	Clinic/OR*		Clinic/OR*
16:00-18:00	Teaching Rounds				