

## MEDICAL GRAND ROUNDS JANUARY-DECEMBER 2017

January 9

### GENOMICS IN THE CLINICAL SETTING

**Alan Spatz, MD**

Professor of Pathology and Oncology, McGill University  
Director, Department of Pathology, Jewish General Hospital  
Canada Research Chair in Molecular Pathology

**Léon C. Van Kempen, PhD**

Investigator, Lady Davis Institute  
Associate Professor of Pathology, McGill University  
COO Molecular Pathology Center, CUISSS COI / Jewish General Hospital

Educational Objectives:

At the end of the presentation, the participants will be able to:

1. Better understand the indications and limitations of genomics tests in the clinical setting
2. Have a better appraisal of the technology developments to expect in this field in the next three years

January 16

### RESISTING RESISTANCE: LOSING BATTLES BUT WINNING THE WAR

**Karl Weiss, MD, MSc, FRCPC**

Professor of Medicine, McGill University  
Staff, Division of Infectious Disease, Department of Medicine  
Staff, Department of Microbiology, Jewish General Hospital  
President of the Association des Médecins Microbiologistes Infectiologues du Québec (AMMIQ)  
Co-President of the Table régionale de prévention des infections de Montréal

Educational Objectives:

1. Understand the major causes of bacterial resistance at the macro level
2. Discuss antibiotic consumption in Canada and Quebec and know its implication in terms of evolving resistance rates
3. Discuss in-hospital gram negative resistant organisms and the available therapeutic options

January 23

### INHERITED CANCER SUSCEPTIBILITY IN CLINICAL ONCOLOGY

**William D. Foulkes, MD, PhD**

James McGill Professor, Departments of Medicine, Human Genetics & Oncology  
McGill Program in Cancer Genetics, McGill University  
Department of Medical Genetics, Jewish General Hospital

Educational Objectives:

1. Identify individuals likely to carry mutations in cancer susceptibility genes B how do we do this?
2. Be aware of what are the important and common associations between specific cancers and inherited mutations B what is typical?
3. Describe how combining germline and somatic genetic testing can be a powerful therapeutic approach B can treatment be affected?
4. Compare and contrast different types of genetic testing B why wait for cancer?

January 30

### 21<sup>st</sup> ANNUAL HUMANIZATION OF CARE AWARENESS PROGRAM ROUNDS WHOLE PERSON CARE AND STRESS IN CLINICAL PRACTICE

**Tom A. Hutchinson, MB, FRCP(C)**

Professor, Department of Medicine and Department of Oncology  
Director, McGill Programs in Whole Person Care

Educational Objectives:

At the end of this lecture participants will be able to:

1. Define whole person care and how it relates to patient centered care.
2. Differentiate curing and healing.

3. Identify sources of stress in clinical practice and how attention to whole person care can benefit both the patient and the clinician.

**February 6**

**RESIDENTS CASE PRESENTATION**

**I. THE GREAT MIMICKER: A CHALLENGING CASE OF A FEBRILE PATIENT**

**Abeer Feteih, MD**

PGY-3 Internal Medicine Resident, McGill University & Jewish General Hospital

Educational Objectives:

1. To present a rare cause of a common infectious disease condition
2. Highlight the difficulties in early diagnosis and management issues of this condition
3. A brief literature review on the case

**II. FEVER IN A RETURNING TRAVELER: WHEN THE DIAGNOSIS IS THE TIP OF THE ICEBERG**

**Alina Beliaevsky, MD**

PGY-3 Internal Medicine Resident, McGill University & Jewish General Hospital

Educational Objectives:

1. Discuss the diagnostic considerations of fever in a returning traveler, focusing on a specific case
2. Review the management of an illness that is common worldwide but rare in North America
3. Discuss the interaction and relationship of two often co-morbid illnesses

**February 13**

**THE JEWISH GENERAL HOSPITAL PATIENT ORDER SET QUALITY IMPROVEMENT INITIATIVE**

**Elizabeth MacNamara, MD, FRCPC**

Associate Professor of Medicine, McGill University

Chief, Medical Biochemistry, Jewish General Hospital

**Isabelle Malhamé, MD**

MSc Candidate in Epidemiology

PGY5 General Internal Medicine Resident

McGill University

Educational Objectives:

1. To underline the potential benefits and harms derived from computerized physician order entry systems
2. To describe the practical implications to date, of the patient order sets
3. To define the JGH-POS-QII and its use as a patient safety and pedagogical tool

**February 20**

**MANAGEMENT OF RECURRENT AND REFRACTORY CASES OF PERICARDITIS**

**Vartan Mardigyan, MD, FRCPC**

Assistant Professor of Medicine, McGill University

Staff, Division of Cardiology, Jewish General Hospital

Educational Objectives:

1. Review guidelines for the treatment for pericarditis
2. Review recent literature on colchicine resistant, corticosteroid dependent cases
3. Present the experience at the JGH

**February 27**

**WHAT=S WRONG WITH THIS VENOUS BLOOD GAS, YOUR D-DIMER IS USELESS AND YOUR CBGM MACHINES DON=T WORK**

**Elizabeth MacNamara, MD, FRCPC**

Associate Professor of Medicine, McGill University

Chief, Division of Medical Biochemistry, Jewish General Hospital

**Shaun Eintracht, MD, FRCPC**

Assistant Professor of Medicine, McGill University

Staff, Division of Medical Biochemistry, Jewish General Hospital

**Howard Gerson, MD**

PGY4 Resident, Division of Medical Biochemistry  
McGill University & Jewish General Hospital

**Educational Objectives:**

1. To understand that serious problems can occur between ordering your test and getting the result
2. To examine what causes these problems and how to prevent them from recurring
3. To understand that ordering tests for the wrong reason is dangerous for you and your patients

**March 6**

**Androgen Receptors and the Metabolic Syndrome**

**Mark Trifiro, MD, FRCPC**

Professor of Medicine, McGill University  
Chief, Division of Endocrinology, Jewish General Hospital

**Educational Objectives:**

1. Learn about metabolic syndrome
2. Learn about diabetes II and liver disease

**March 13**

**NEW INSIGHTS INTO INHERITED ARRHYTHMIAS**

**Jacqueline Joza, MD, FRCPC**

Staff, Division of Cardiology, Cardiac Electrophysiology, McGill University Health Centre  
Professor of Medicine, McGill University

**Educational Objectives:**

1. To be able to identify and refer patients with potential inherited arrhythmias
2. To understand the value of genetic testing in this patient population

**March 20**

**OPTIMAL DIAGNOSIS OF VENOUS THROMBOEMBOLISM (DVT)**

**Grégoire Le Gal, MD, PhD (Epidemiology)**

Professor, Department of Medicine, University of Ottawa  
Physician, Thrombosis Unit, Division of Hematology, The Ottawa Hospital  
Senior scientist, Clinical epidemiology program, Ottawa Hospital Research Institute  
Co-Lead, CanVECTOR Clinical Trials Platform

**Educational Objectives:**

1. To review current optimal approaches to diagnose deep vein thrombosis (DVT)
2. To discuss current optimal management strategies to diagnose pulmonary embolism (PE)

**March 27**

**MANAGING MOBILITY OUTCOMES IN VULNERABLE SENIORS (MMOVES): CURRENT STATUS AND WAYS FORWARD**

**Nancy E. Mayo, MD**

Professor, Department of Medicine, Division of Clinical Epidemiology, MUHC  
Division of Geriatrics, MUHC, McGill University

**Sabrina M. Figueiredo, PhD**

Faculty Lecturer, School of Physical & Occupational Therapy, McGill University

**Educational Objectives:**

1. To increase knowledge regarding self-management programs for seniors recently discharged from acute-care
2. To increase your portfolio of evidence-based strategies aimed at improving mobility of vulnerable seniors

**April 3**

**CYSTIC FIBROSIS: THE DAWN OF A NEW THERAPEUTIC ERA: PROMISES, PROGRESS AND PITFALLS**

**Elias Matouk MD, ChB, FRCPC**

Associate Professor of Medicine, McGill University  
Director, Adult Cystic Fibrosis Clinic

Montreal Chest Institute  
McGill University Health Centre and Research Institute

**Educational Objectives:**

1. Review the current status of Pharmacological Mutation Defects Targeted Therapy: The Cystic Fibrosis Transmembrane Modulators (Potentiators, Correctors, Stabilisers, Amplifiers and combination)
2. Review the current status of Gene Therapy, DNA editing and mRNA editing

**April 10 - No Rounds - Easter Monday**

**April 17 - No Rounds - Easter Monday**

**April 24**

**DRUG ALLERGY: BEYOND ANTIBIOTICS**

**Fanny Silviu-Dan, MD, FRCPC**

Assistant Professor of Medicine, McGill University  
Staff, Division of Allergy & Immunology, Jewish General Hospital

**Educational Objectives:**

1. Discuss clinical presentation and mechanisms of reactions, diagnosis and management of reactions to drug such as anesthetics, contrast media, anticoagulants, chemotherapy, cross-reactivity and use of alternate drugs
2. Provide a friendly guide to some drug dilemmas

**May 1**

**Embracing the World: the Birth and Rise of the Pulmonary Vascular Research Institute**

**Ghazwan Butrous, MB ChB PhD FESC FRSA**

Professor of Cardiopulmonary Sciences; University of Kent, Canterbury, UK

Hon. Professor of Medicine, Imperial College, London

President Emeritus, Pulmonary Vascular Research Institute (<http://www.pvri.info/>)

Senior Associate Editor: Pulmonary Circulation <http://journals.sagepub.com/home/pul>

Director, the Butrous Foundation (<http://www.butrousfoundation.com/>)

**Educational Objectives:**

1. Understanding the spectrum of pulmonary vascular diseases worldwide.
2. Understanding the role of collaboration in research and education to tackle pulmonary vascular diseases worldwide
3. Realizing that the collaboration will benefit patient management equally in developing & developed countries
4. The experience of Pulmonary Vascular Research Institute in the last 12 years in achieving the above.

**May 8**

**Handover as an Entrustable Professional Activity**

**Tino D. Piscione, MD, PhD, FRCPC**

Physician Advisor, Safe Medical Care, CMPA

**Educational Objectives:**

1. The attendee will describe the risks associated with handover
2. The attendee will be able to describe 3 barriers to handover
3. The attendee will be able to describe 3 ways in which their handover can be improved
4. The attendee will describe which CanMEDS roles can be assessed by examining resident handover

**May 15**

**Rheumatologic Consequences of Oncologic Immunotherapy**

**Clifton O. Bingham III, MD**

Professor of Medicine, Johns Hopkins University Director, Johns Hopkins Arthritis Center

**Educational Objectives:**

1. Recognize the spectrum of rheumatologic immune-related adverse events (IRAEs) associated with cancer immunotherapy
2. Differentiate features of rheumatologic IRAEs from Atraditional@ rheumatic diseases

3. Develop an approach to treatment for rheumatologic IRAEs in collaboration with oncologists

**May 22 NO ROUNDS - VICTORIA DAY**

**May 29**

**Breaking the Mold: Managing Fungal Infections in Patients with Hematologic Malignancies**

**Donald Sheppard, MD, FRCPC**

Professor of Medicine

Director, Division of Infectious Diseases

McGill University Health Centre (MUHC)

**Educational Objectives:**

1. To understand the uses and limitations of new fungal diagnostic tests in patients with hematologic malignancy
2. Develop an evidenced-based approach to the management of fungal infections in this population

**June 5**

**Acute Toxicities of Novel Lymphoma Therapies**

**Nathalie Johnson, MD, PhD, FRCPC**

Associate Professor of Medicine, McGill University

Staff, Division of Hematology, Jewish General Hospital

**Educational Objectives:**

1. Appreciate that increasing numbers of CLL and lymphoma patients will be treated with very effective targeted therapies in 2017-2018
2. Recognize that these drugs have different toxicity profiles than conventional chemotherapy, which may implicate multiple medical specialties
3. Manage the acute complications of these therapies when these patients present to the ER

**June 12**

**Physician Aide/Guide for Level of Medical Intervention (LOMI) Discussions with Patients**

**Zita Kruszewski, PhD, MA**

Clinical Ethicist, CIUSSS West-Central Montreal

Kateri Memorial Hospital

**Educational Objectives:**

1. Understand role of LOMI in highest quality care
2. Learn 6-step process for having LOMI discussions with patients
3. Learn special instructions for dealing with a legal decision maker in the event that a patient lacks capacity
4. Learn conflict-resolution process when there is disagreement re LOMI for patient

**September 18**

**29th ANNUAL BERTHA & NACHUM MIZNE MEMORIAL LECTURE**

**NEW GOALS FOR THE TREATMENT OF HYPERTENSION. IS IT TIME FOR A NEW DEFINITION OF HYPERTENSION?**

**Ernesto L. Schiffrin, C.M., MD, PhD, FRSC, FRCPC**

Professor and Vice-Chair for Research, Department of Medicine

McGill University

Physician-in-Chief, Department of Medicine, Jewish General Hospital

Canada Research Chair in Vascular and Hypertension Research

Lady Davis Institute for Medical Research

**Educational Objectives:**

1. Review the new goals for BP treatment for high cardiovascular risk patients in Hypertension Canada guidelines
2. Discuss whether a new definition of hypertension is now needed

**September 25**

**THIRD ANNUAL DEPARTMENT OF MEDICINE CLINICAL RESEARCH SYMPOSIUM**

## **I. MANAGEMENT OF PLEURAL INFECTIONS**

### **Lama Sakr, MD, FRCPC**

Assistant Professor of Medicine, McGill University  
Staff, Division of Pulmonary  
Jewish General Hospital

#### **Educational Objectives:**

1. To describe our experience with management of pleural infections at the JGH
2. To describe the implementation of a hospital protocol, aiming to improve timely diagnosis and management of pleural infections

## **II. CLOSTRIDIUM DIFFICILE ASYMPTOMATIC CARRIERS; CONTAINING WHAT LIES UNDER THE WATER**

### **Yves Longtin, MD, FRCPC**

Associate Professor, McGill University  
Division of Infectious Diseases, Jewish General Hospital

#### **Educational Objectives:**

1. Review the Epidemiology of C. difficile infections with emphasis on asymptomatic carriers
2. Explore novel avenues to prevent C. difficile infections

## **III. GAIT ANALYSIS IN THE ELDERLY: INTERESTS AND PERSPECTIVES**

### **Olivier Beauchet, MD, PhD, FRCPC**

Professor of Medicine & Dr. Joseph Kaufmann Chair in Geriatric Medicine  
Director of Centre of Excellence on Aging and Chronic Disease (CEViMaC)  
McGill University

Staff, Division of Geriatric Medicine, Jewish General Hospital

#### **Educational Objectives:**

1. To describe the higher levels of gait control impairment with aging from gait analysis
2. To examine the clinical implications of gait analysis

**October 2**

## **SENSORY, COGNITIVE, AND MOTOR AGING: FINDINGS FROM RECENT EXPERIMENTAL AND INTERVENTION STUDIES**

### **Karen Li, PhD**

Professor, Psychology  
Centre for Research in Human Development  
PERFORM Centre, Concordia University

#### **Educational Objectives:**

1. Gain understanding of the interactive effects of hearing loss, cognition, and mobility
2. Learn about recent techniques used to assess such interactions and improve functional capacity

**October 9**

**No Rounds - Thanksgiving**

**October 16**

## **CURRENT CONCEPTUALIZATION OF PSORIASIS PATHOGENESIS AND ALSO CURRENT TREATMENTS THAT STEM FROM THIS UNDERSTANDING**

### **James Glenn Krueger, MD, PhD**

Director, Milstein Medical Research Program  
D. Martin Carter Professor in Clinical Investigation  
Professor, Lab Head, The Rockefeller University  
Senior Attending Physician and Chief Executive Officer, The Rockefeller University Hospital

#### **Educational Objectives:**

Scientific View of Biologics (Insight into etiology of Psoriasis and auto-inflammatory disease)

**October 23**

## **LUNG CANCER SCREENING: ARE WE READY TO START?**

### **Jason Agulnik, MD**

Assistant Professor of Medicine, McGill University

Division of Pulmonary Medicine, Jewish General Hospital

**& Bojan Kovacina, MD**

Assistant Professor of Medicine, McGill University

Department of Radiology, Jewish General Hospital

Educational Objectives:

1. Review the lung cancer screening data
2. Understand the pros and cons
3. Definition of Low Dose CT screening
4. Reviewing Fleischner guidelines

**October 30**

**OPTILAB: CAN ONE FIND HAPPINESS IN A FORCED CONSOLIDATION**

**Andre Dascal, MD**

OPTILAB Medical Director, MUHC Cluster

Associate Professor of Medicine, McGill University

Senior member, Division of Infectious Diseases, Jewish General Hospital

**Educational Objectives:**

1. Understand the rationale for, aims of and strategy involved in the consolidation of clinical laboratory services in Quebec
2. Understand the challenges involved in this laboratory consolidation
3. Status report at 6 months and future evolution of the OPTILAB Montreal CUSM/MUHC grappe/cluster

**November 6**

**UPDATE ON DIAGNOSIS AND TREATMENT OF PLASMA CELL DYSCRASIAS**

**Kenneth Carl Anderson, MD, PhD**

Kraft Family Professor of Medicine

Harvard Medical School

Program Director, Jerome Lipper Multiple Myeloma Center and LeBow Institute for Myeloma

Therapeutics, Dana Farber Cancer Institute

**Educational Objectives:**

1. To update criteria for diagnosis, prognosis, and response to therapy in multiple myeloma
2. To update current and future targeted and immune therapies for multiple myeloma

**November 13**

**CANADIAN PATIENT SAFETY WEEK**

**I. JASPRO - QUALITY CARE THROUGH APPROPRIATE ANTIMICROBIAL USAGE**

**Marty Teltscher, MDCM, FRCPC**

Medical Lead, JGH Antimicrobial Stewardship Program

Assistant Professor, McGill University Faculty of Medicine

Division of Infectious Diseases, Department of Microbiology

CIUSSS - CO Montréal - West Central Montreal Health

Jewish General Hospital

**Educational Objectives:**

1. Patient quality-care and safety as the backbone of antimicrobial stewardship
2. The role that proper therapeutic drug monitoring plays in patient safety

**II. AN UPDATE ON MEDICATION RECONCILIATION AT THE JGH**

**Gaëlle Abittan, B. Pharm., M. Sc.**

Assistant to the Chief, Department of Pharmacy

CIUSSS Central West of the Island of Montreal

**& Julie Doan, B. Pharm, M. Sc.**

Pharmacy IT Coordinator

Educational Objectives:

1. Understand the role of medication reconciliation in providing quality patient care
2. Understand medication reconciliation goals and Accreditation Canada requirements
3. Review local data, current and future medication reconciliation processes

Contact Person: Louise Miner, MD, Director of Professional Services, Tel. 514-340-8222 ext. 5932.



**November 20**

**ARE WE COMPETENT FOR 'COMPETENCY'? GETTING READY FOR COMPETENCY BASED MEDICAL EDUCATION**

**Ahsan Alam MDCM, MS, FRCPC**

Associate Professor of Medicine, McGill University

Program Director, McGill Internal Medicine Residency Training Program

Division of Nephrology and Multiorgan Transplant Program, MUHC

**& Ning-Zi Sun MDCM, MHPE, FRCPC**

Assistant Professor of Medicine, McGill University

Assistant Program Director, McGill Internal Medicine Residency Training Program

Division of General Internal Medicine, MUHC

**Educational Objectives:**

1. Understand the rationale of CBME and its lingo
2. Develop strategies to make the implicit explicit - direct observation and feedback
3. Understand the anatomy of CBME assessment tools

**November 27**

**ENDOCRINOLOGY AND PREGNANCY: LATEST UPDATES**

**Agnieszka Majdan, MD**

Assistant Professor of Medicine, McGill University

**Staff, Division of Endocrinology, Jewish General Hospital**

**& Tina Kader, MD**

Assistant Professor of Medicine, McGill University

Staff, Division of Endocrinology, Jewish General Hospital

**Educational Objectives:**

1. Pregnancy and gestational diabetes
2. Pregnancy and pre-existing diabetes
3. Thyroid disorders in pregnancy

**December 4**

**The LOI order form & the layers of expectation and consent related error that lurk below  
Two case examples: Hasidic Judaism & Interoperative suspension of DNR physician aide  
for level of medical intervention (lomi) discussion with patients**

**Lucie Wade**

Clinical Ethicist

Quality, Evaluation, Performance and Ethics Management

CIUSSS West-Central of the Island of Montreal

**Educational Objectives:**

1. Position the LOI order form as the final step in a process of addressing expectations around end-of-life care and reducing known consent related errors
2. Build the ethics capacity of physicians to deal with extreme cases of patient preferences for end-of-life care
3. Understand the role of the Ethics Consult Service to support the resolution of these issues on a Clinical (case by case) or Organizational (group) level

Contact Person: Lucie Wade, Clinical Ethicist, CIUSSS West-Central Montreal, Tel. 514-340-8222 ext. 23625.

**December 11**

**TEN NEW THINGS TO KNOW ABOUT ALZHEIMER DISEASE AND THE DEMENTIAS**



Howard Chertkow, MD, FRCP, FCAHS

Professor of Neurology, McGill University

Scientific Director, Canadian Consortium on Neurodegeneration in Aging (CCNA)

Member, Department of Clinical Neurosciences, Jewish General Hospital

Educational Objectives:

1. To review clinical approaches to the diagnosis and treatment of dementia
2. To review new and promising avenues of research on diagnosis and therapy of dementias