

MEDICAL GRAND ROUNDS 2018-2019

**JEWISH GENERAL HOSPITAL
DEPARTMENT OF MEDICINE
MONDAY MEDICAL GRAND ROUNDS
12:30 - 1:30 PM
BLOCK AMPHITHEATRE**

September 17

IT'S NEITHER BENIGN NOR MALIGNANT, IT'S NIFTP: RECENT UPDATES IN THE CLASSIFICATION OF THYROID TUMORS

Marc Philippe Pusztaszeri, MD

Associate Professor of Pathology, McGill University
Staff Member, Department of Pathology
Jewish General Hospital

Educational Objectives:

1. To be familiar with the most common types of thyroid neoplasms and the way they are diagnosed
 2. To be familiar with the new entity NIFTP
 3. To understand the impact of NIFTP on the diagnosis and management of patients with thyroid nodules
- Contact Person: Alan Spatz, MD, Chief, Department of Pathology, Tel. 514-340-8274.

September 24

NO MEDICAL ROUNDS - SPECIAL EVENT FOR THE DEPARTMENT OF MEDICINE MEDICAL DOCTORS ONLY

***October 1**

FOURTH ANNUAL DEPARTMENT OF MEDICINE CLINICAL RESEARCH SYMPOSIUM

I. QUALITY IMPROVEMENT AT THE JGH

Blair Schwartz, MDCM, MHS, FRCPC

Assistant Professor, McGill University
Division of General Internal Medicine
Department of Medicine
Department of Adult Critical Care
Jewish General Hospital

Educational Objectives:

1. To explore the nature of quality improvement research
2. To review findings of QI work at the JGH

II. EFFECT OF A PCSK9 NEUTRALIZING ANTIBODY ON CD36 DEGRADATION AND HEPATIC STEATOSIS IN A TRANSLATIONAL MOUSE MODEL

Morris Schweitzer PhD, MD, FRCP(C)

Associate Professor, Faculty of Medicine, McGill University
Director, Lipid Research and Management Clinic
Co-Director, Centre for Vascular Prevention
Staff, Division of Endocrinology
Jewish General Hospital

Educational Objectives:

1. Understand the importance of CD36 in regulating the uptake of fatty acids in the liver
2. Understand the role of PCSK9 in inducing CD36 degradation in the liver
3. Understand how a PCSK9 neutralizing antibody can affect hepatic steatosis in a translational mouse model

III. INNATE IMMUNE RESPONSE TO VACCINES AND VACCINE ADJUVANTS DELIVERED INTRAMUSCULARLY: DEFINING THE ROLE OF SKELETAL MUSCLE MYOCYTES

Gerasimos J. Zaharatos, MD, FRCPC

Assistant Professor of Medicine, McGill University
Chief, Division of Medical Microbiology

OPTILAB Montreal - MUHC
Division of Infectious Diseases, Jewish General Hospital

Educational Objectives:

1. Provide an update of innate immune sensing pathways for pathogen-associated molecular patterns including pathogen-derived DNA and RNA
2. Review local immune responses in vaccine and vaccine adjuvant-injected muscle
3. Describe the cytosolic DNA sensing pathway in a skeletal muscle myocyte model

Contact Person: E. L. Schiffrin, MD, PhD, Physician-in-Chief, Department of Medicine, Tel. 514-340-7538.

October 8

No Rounds - Thanksgiving

***October 15**

ATOPIC DISEASE

Emma Guttman-Yassky, MD, PhD

Sol and Clara Kest Professor of Dermatology
Vice Chair for Research, Department of Dermatology
Director of the Center for Excellence in Eczema
Laboratory of Inflammatory Skin Diseases, Icahn School of Medicine, Mount Sinai Medical Center, New York

Educational Objectives:

1. Understand immune mechanisms underlying atopic dermatitis
2. Understand the mechanistic basis of the therapeutic developments in atopic dermatitis

Contact Person: Robin Billick, MD, Chief, Division of Dermatology, Tel. 514-340-8222 ext. 5065.

***October 22**

HOW TO DIE YOUNG AT A VERY OLD AGE

Nir Barzilai, MD

Professor of Medicine, Division of Endocrinology
Director, Institute for Aging Research Albert Einstein College of Medicine
Director, Nathan Shock Center of Excellence in Basic Biology of Aging
Ingeborg and Ira Leon Rennert Chair of Aging Research

Educational Objectives:

1. Define the role of biology of aging in the onset of age-related diseases
2. Understand that aging can be targeted and prevent a variety of age-related diseases
3. Appreciate the strategy of changing the regulation (FDA etc..) for targeting aging

Contact Person: José Morais, MD, Chief, Division of Geriatric Medicine, Tel. 514-340-7501.

***October 29**

TELE-PULMONARY REHABILITATION: DOES OFFERING A HEALTHCARE SERVICE VIA TELE-MEDICINE WORK?

Nathalie Saad, MD

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

Educational Objectives:

1. To understand how tele-pulmonary rehabilitation improves accessibility to services
2. To understand the impact of the tele-pulmonary rehabilitation program on patient's health
3. To discuss the barriers to the development of a tele-medicine program in Quebec

Contact Person: Carmela Pepe, MD, Division of Pulmonary Medicine, Tel. 514-340-8222 ext. 23636.

***November 5**

CANADIAN PATIENT SAFETY WEEK

MEDICATION MANAGEMENT AND PATIENT SAFETY: WHAT YOU NEED TO KNOW

Eva Cohen: B. Pharm., D.P.H.

Director of Pharmacy

Ryan Kerzner, B. Pharm., M. Sc.

Pharmacist

& Gaelle Abittan B. Pharm., M. Sc.

Assistant Director of Pharmacy

Educational Objectives:

1. Review Medication Management Accreditation Standards
2. JASPRO: Role of Antimicrobial Stewardship Program
3. Understand clinical pertinence of medication reconciliation and strategies currently in place to achieve standards

Contact Person: Chantal Bellerose, Dt. P., B. Sc., M. Sc. Health Adm., Assistant to DGA -Director, Director DQEPEA and Coordinator of quality, risk management, accreditation, clinical ethics and user experience, ext. 27895.

***November 12**

MYELOPROLIFERATIVE NEOPLASM: 2018 UPDATE ON DIAGNOSIS AND MANAGEMENT

Shireen Sirhan, MD

Assistant Professor of Medicine

McGill University

Member, Division of Hematology

Jewish General Hospital

Educational Objectives:

1. 2016 WHO revision of MPN diagnostic criteria and its practical implications
2. Diagnostic algorithms for Essential Thrombocytosis and Polycythemia Vera
3. Overview of Current and future Therapies
4. Overview of Practical Management issues with new therapies

Contact Person: Hans Knecht, MD, Chief, Division of Hematology, Tel 514-340-8222 ext. 28799.

***November 19**

THE ROLE OF PSYCHOSOCIAL DETERMINANTS IN QUALITY OF LIFE (QoL) IN INFLAMMATORY BOWEL DISEASE - MOVING TOWARDS A POSITIVE PARADIGM

Gary E. Wild, MDCM, PhD, M. Sc. (Health Psychology), FRCPC

Grad. Cert. Health and Social Services

Division of Gastroenterology

McGill University Health Centre

Educational Objectives:

1. To gain an understanding of the determinants of QoL in adult IBD patients.
2. To gain an understanding of the cognitive and affective domains of the IBD illness experience
3. To gain an understanding of the applications of Positive Psychology as a tool to improve well- being in IBD

Contact Person: Polymnia Galiatsatos, MD, Division of Gastroenterology, Tel. 514-340-8222 x 28144.

***November 26**

WHAT'S METABOLIC SYNDROME

Mark Trifiro, MD

Professor of Medicine, McGill University

Chief, Division of Endocrinology, Jewish General Hospital

Educational Objectives:

1. Etiology of metabolic syndrome
2. Consequences and impact of metabolic syndrome

Contact Person: Mark Trifiro, MD, Chief, Division of Endocrinology, Tel. 514-340-8222 ext. 23976.

***December 3**

EXTRACORPOREAL CARDIOPULMONARY RESUSCITATION (E-CPR) IN 2018: HOW, WHEN AND WHOM?

Martin Albert, MD, FRCPC, FACP

Internist-Intensivist, Hôpital du Sacré-Coeur de Montréal
Director of Intensive Care Program, University of Montreal
Clinical Professor, University of Montreal
Regular Researcher, HSCM Research Center
Intensivist, Montreal Heart Institute

Educational Objectives:

1. Become aware of the growing use of extracorporeal cardiopulmonary resuscitation (E-CPR) for resuscitation in specific settings
2. Understand the basic principles of E-CPR
3. Identify patients who may be candidates for E-CPR

Contact Person: Paul Warshawsky, MD, Chief, Department of Adult Critical Care, Tel 514-340-7500.

***December 10**

CROSSROADS BETWEEN MOOD SYMPTOMS AND AUTONOMIC DISTURBANCES IN ALPHA-SYNUCLEINOPATHIES

Chenjie Xia, MDCM, FRCPC

Assistant Professor of Neurology and Neurosurgery
McGill University
Neurologist

Jewish General Hospital

Educational Objectives:

1. Review mood symptoms and autonomic disturbances in alpha-synucleinopathies
2. Discuss how the link between them may shed light on pathophysiology of mood disorders

Contact Person: Jeffrey Minuk, MD, Chief, Department of Neurosciences, Tel. 514-340-8222 ext. 28770.

***December 17**

UPDATE ON METASTATIC PROSTATE CANCER

Cristiano Ferrario, MD

Assistant Professor of Medicine, McGill University
Member, Division of Hemato-Oncology
Jewish General Hospital

Educational Objectives:

1. Review of current diagnosis of metastatic prostate cancer
2. Review of safety and efficacy of multiple treatment options currently available for metastatic prostate cancer

Contact Person: Lawrence Panasci, MD, Division of Hemato-Oncology, Tel. 514-340-8248.

***January 7**

POLYGENIC RISK SCORES TO PREDICT CLINICAL OUTCOMES

Brent Richards, MD

Professor of Medicine, McGill University
Staff Member, Division of Endocrinology, Jewish General Hospital

Educational Objectives:

1. To understand how genotypes from birth can be used to predict clinical outcomes later in life
2. To understand how to interpret a genetic risk prediction

Contact Person: Mark Trifiro, MD, Chief, Division of Endocrinology, Tel. 514-340-8222 ext. 23976.

oJanuary 14

Time to move on – from 9H to 4R: shorter, safer, cheaper and better

Results of two randomized trials in adults and children, of 4 months Rifampin (4R) vs 9 months Isoniazid (9H) for treatment of latent TB

Richard Menzies, MD

Professor of Medicine, of Epidemiology and of Biostatistics, McGill University
Associate Director of the McGill International TB Centre
Member, Respiratory Division, MUHC Department of Medicine

Educational Objectives:

1. To understand the potential risks and benefits of treatment of latent tuberculosis infection (LTBI)
 2. To understand the potential advantages and disadvantages of different regimens for treatment of LTBI – in particular the current standard of 9 months INH (9H), and the new regimen of 4 months rifampin (4R)
- Contact Person: Karl Weiss, MD, Chief, Division of Infectious Diseases, Tel. 514-340-8222 ext. 22933.

January 21*AN EPIDEMIOLOGICAL ANALYSIS OF THE MEDICAL LITERATURE: LESSONS LEARNED FROM AN ACCIDENTAL CAREER IN MEDICAL JOURNALISM****Christopher Labos, MDCM, MSc**

Associate member, Office for Science and Society McGill University
Contributor for the Montreal Gazette and CJAD

Educational Objectives:

1. To understand how issues of study design and analysis can affect the outcomes of clinical studies
2. To review how issues like confounding, bias, reverse causation, and random error lead us to misinterpret the findings of medical studies
3. To explore the common mistakes we make as both producers and consumers of scientific news

Contact Person: Lawrence Rudski, MD, Chief, Division of Cardiology and Director, Azrieli Heart Center, Tel. 514-340-8222 ext. 22992.

January 28*THIRTIETH ANNUAL HUMANIZATION OF CARE AWARENESS PROGRAM ROUNDS
KEEPING IT TOGETHER WHEN EVERYONE AROUND YOU IS FALLING APART****Susan Wener**

Author, Therapist, Educator

Educational Objectives:

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

1. Understanding the importance of taking care of yourself while taking care of others
2. Learning to better use the resources available to you and within you
3. Understanding the patient-doctor and multidisciplinary team dynamic as a partnership

Contact Person: Ms. Rosamary Steinberg, Co-Chair, Humanization of Care Committee, Tel. 514-340-8222 ext. 25833.

March 4*OPTIMUM DIET FOR A LONG & USEFUL LIFE: WHAT'S THE EVIDENCE?****L. John Hoffer, MD, PhD, FRCPC**

Professor of Medicine, McGill University

Member, Division of Internal Medicine and Nutrition Support Team, Jewish General Hospital

Educational Objectives:

1. Help learners penetrate the fog of hope and hype surrounding longevity diets, using the searchlight of nutritional physiology and scientific reasoning
2. Help learners balance biological plausibility, clinical evidence, unavoidable uncertainty and the rules of evidence-based medicine to formulate recommendations tailored to the situation, interests and preferences of individual patients

Contact Person: Rubin Becker, MD, Chief, Division of Internal Medicine, Tel. 514-340-7596.

March 11*EMERGENCY ROOM AND OLDER PATIENTS: TO BE FRAIL OR AT RISK?****Olivier Beauchet, MD, PhD, FRCPC**

Professor of Medicine & Dr. Joseph Kaufmann Chair in Geriatric Medicine

Director of Centre of Excellence on Longevity

McGill University

Staff, Division of Geriatric Medicine

Clinical Scientist, Department of Medicine, Division of Geriatric Medicine

Jewish General Hospital & Lady Davis Institute for Medical research

Visiting Professor, Lee Kong Chian School of Medicine

Nanyang Technological University, Singapore

Educational Objectives:

After attending, participants will be able:

1. To understand the issues and challenges related to Emergency Room visits for older patients
2. To know new validated practices for older patients visiting Emergency Room
3. To evaluate and propose appropriate care for older patients visiting Emergency Room

Contact Person: José Morais, MD, Chief, Division of Geriatric Medicine, Tel. 514-340-7501.

***March 18**

UNCOMMON MECHANISMS IN THROMBOSIS...RESEARCH THAT COULD CHANGE YOUR PRACTICE

Ed Conway, MD, PhD, MBA

Professor, Department of Medicine

University of British Columbia

Director, Centre for Blood Research

Canada Research Chair in Endothelial Cell Biology

CSL-Behring Research Chair

Staff Physician, Division of Hematology

Department of Medicine, Vancouver Coastal Health

Educational Objectives:

1. Understanding complement-mediated thrombosis
2. Reviewing new data related to mechanisms underlying thrombosis in obesity and cancer
3. Discussing how the research may translate into clinical practice

Contact Person: Susan Kahn, MD, Division of Internal Medicine, Tel. 514-340-8222 extension 24667.

***March 25**

NEW DRUGS FOR THE TREATMENT OF SEVERE ASTHMA

Pierre Ernst, MD, MSc, FRCPC

Professor of Medicine, McGill University

Member, Division of Pulmonary

Jewish General Hospital

Educational Objectives:

1. To be able to identify patients with truly severe asthma
2. To become familiar with the newer biological agents for severe asthma and when they should be used

Contact Person: Carmela Pepe, MD, Division of Pulmonary Medicine, Tel. 514-340-7900.

***1^{ER} avril**

MASSES, BOSSES ET GÈNES

William D. Foulkes, MD, PhD

Professeur James McGill

Départements de médecine, génétique humaine et oncologie

Programme de génétique oncologique

Université McGill

Département de génétique médicale

Hôpital général juif

Maria Apellaniz-Ruiz, PhD

Boursier postdoctoral, Département de génétique humaine

Université McGill

Institut Lady Davis de recherches médicales

Barbara Rivera, PhD

Professeur adjoint, Département d'oncologie

Université McGill

Objectifs éducatifs:

1. Résumer les voies qui sous-tendent la biogenèse des microARN
2. Expliquer comment les erreurs dans la biogenèse des micro-ARN entraînent des tumeurs hyperplasiques, bénignes et malignes de la thyroïde, du foie et des reins

3. Apprécier un lien inattendu entre les troubles des cellules de Schwann et des cellules de la thyroïde
Le Département de génétique médicale, Hôpital général juif et le Département de génétique humaine,
Université McGill

Contact: David Rosenblatt, MD, Service de génétique médicale, Département de médecine et
Département de génétique médicale, Tél. 514-934-1934 poste 42978.

***8 avril**

**GESTION MODERNE DE L'HYPERTENSION PULMONAIRE CHRONIQUE THROMBOEMBOLIQUE:
UN PROGRAMME INTÉGRÉ COMPLET DE L'HGJ - DE LA PAILLASSE AU CHEVET OU À LA
SALLE D'OPÉRATION OU À CELLE DE CATHÉTÉRISME**

David Langleben, MD

Professeur de médecine, Université McGill
Directeur du Centre de la maladie vasculaire pulmonaire
Cardiologue, Hôpital général juif

Andrew Hirsch, MD

Professeur agrégé de médecine, Université McGill
Directeur, Service de pneumologie, Hôpital général juif

Jean-François Morin, MD

Professeur agrégé de chirurgie, Université McGill
Chef, Chirurgie cardiaque, Hôpital général juif

& Ali Abualsaud, MD

Professeur adjoint de médecine, Université McGill
Cardiologue interventionnel et structurel, Hôpital général juif

Objectif éducatif:

Comprendre la physiopathologie de la maladie chronique thromboembolique

Contact: Lawrence Rudski, MD, Directeur, Service de cardiologie et Directeur, Centre cardiaque Azrieli,
Tél. 514-340-8222 poste 22992.

***15 avril**

ALLERGIE À LA PÉNICILLINE

Jessy Schwartz, MD

Professeur adjoint de médecine
Université McGill
Service d'allergie et d'immunologie
Hôpital général juif

Objectifs éducatifs:

Répondre aux questions suivantes:

1. Combien de patients avec une étiquette d'allergie à la pénicilline sont réellement allergiques?
2. Comment pouvons-nous supprimer une étiquette erronée d'allergie à la pénicilline ?
3. Peut-on administrer des céphalosporines et des carbapénèmes à des patients présentant une étiquette d'allergie à la pénicilline?

Contact: Peter Small, MD, Chef, Service d'allergie et d'immunologie, Tel. 514-340-8222 poste 25434.

22 avril

Pas de conférence - Lundi de Pâques

***29 avril**

**PRÉSENTATION DU LAURÉAT DU PRIX LOUIS ET ARTUR LUCIAN POUR LES MALADIES
CIRCULATOIRES 2018**

**COMPRENDRE ET GÉRER LES ACTIONS VARIABLES DE MÉDICAMENTS: DE L'ECG À LA
GÉNOMIQUE DE LA POPULATION (CHAPITRE 2: LE CANAL CARDIAQUE SODIQUE)**

Dan M. Roden, M.D.C.M.

Co-récepteur, du Prix Louis and Artur Lucian 2018
Professeur de médecine, de pharmacologie et d'informatique biomédicale
Vice-président senior pour la médecine personnalisée
Centre médical de l'Université Vanderbilt

Objectifs éducatifs:

1. Décrire le rôle des canaux cardiaques sodiques normaux et anormaux dans les maladies humaines
2. Décrire de nouvelles méthodes pour quantifier le rôle de la variation génétique dans la fonction des canaux sodiques
3. Décrire comment les dossiers de santé électroniques peuvent être utilisés pour améliorer la sécurité du traitement médicamenteux

Contact: Ernesto L. Schiffrin, MD, PhD, Médecin-Chef, Département de médecine, Tél. 514-340-7538.

May 6*CARDIAC AMYLOIDOSIS: THE MYSTERY “UNFOLDS”**

Michael Chetrit MD, FRCPC

Advanced Cardiac Imaging, Heart and Vascular Institute
Cleveland Clinic, Ohio

Educational Objectives:

1. New methods for the diagnosis of cardiac amyloidosis
2. The utility of multimodality imaging in the diagnosis and management.
3. Latest developments in the treatment of cardiac amyloidosis

Contact Person: Lawrence Rudski, MD, Chief, Division of Cardiology and Director, Azrieli Heart Center, Tel. 514-340-8222 ext. 22992.

May 13*AUTOIMMUNE INFLAMMATORY MYOPATHIES: HOW EXTRA MUSCULAR FEATURES ARE STEALING THE SHOW**

Valerie Leclair, MD

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

Educational Objectives:

1. Understand the strengths and weaknesses of the current classification criteria for autoimmune inflammatory myopathies (AIM)
2. Describe different extra muscular features of AIM and their impact on clinical management.
3. Discuss the role of biological treatment in AIM

Contact Person: Murray Baron, MD, Chief, Division of Rheumatology, Tel. 514-340-8231.

May 20**No Rounds - Victoria Day*****May 27****2018 LOUIS AND ARTUR LUCIAN AWARD FOR RESEARCH IN CIRCULATORY DISEASES RECIPIENT'S PRESENTATION****FROM SECRETORY PRECURSOR PROTEINS TO THE DISCOVERY OF THE FAMILY OF PROPROTEIN CONVERTASES AND THEIR CLINICAL APPLICATIONS**

Nabil G. Seidah, PhD

Co-Recipient, 2018 Louis and Artur Lucian Award
Professor of Biochemistry, Department of Medicine, University of Montreal
Director of the Laboratory of Biochemical Neuroendocrinology, Institut de Recherches Cliniques de Montréal (IRCM)

Educational Objectives:

1. How are bioactive secretory proteins and peptides generated in cells and tissues?
2. Which proprotein convertase(s) are presently targeted for clinical applications and what is the outcome of some of these treatments?
3. What happens when the level/activity of some proprotein convertases is deregulated?

Contact Person: E. L. Schiffrin, C.M., MD, PhD, Physician-in-Chief, Department of Medicine, Tel. 514-340-7538.

June 3**THE WORK-UP AND TREATMENT OF CANCER OF UNKNOWN PRIMARY**

Lawrence Panasci, MD

Professor of Medicine & Oncology, McGill University
Associate Director of Oncology, Jewish General Hospital

Educational Objectives:

1. How to work-up the unknown primary malignancy
2. How to treat it

Contact Person: Lawrence Panasci, MD, Division of Hemato-Oncology, Tel. 514-340-8248.

June 10

EVOLVING PARADIGMS IN THE CLINICAL CARE AND TREATMENT OF HEMOGLOBINOPATHIES

Véronique Naessens, MD, FRCPC

Assistant Professor of Medicine, McGill University
Division of Hematology, McGill University Health Centre

Educational Objectives:

1. Recognize the spectrum of acute and chronic complications of sickle cell disease and its current therapies
2. Review the clinical presentations and complications found in severe thalassemic syndromes, including thalassemia intermedia and major
3. Explore the future treatment options in beta-chain hemoglobinopathies

Contact Person: Hans Knecht, MD, Chief, Division of Hematology, Tel 514-340-8222 ext. 28799.

The Medical Grand Rounds are an accredited group learning activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.