

12<sup>th</sup> McMaster University Review Course in  
**INTERNAL MEDICINE**  
March 25–27, 2020



**HEALTH SCIENCES**  
Continuing Health Sciences  
Education



Michael G. DeGroote  
SCHOOL OF MEDICINE

St. Joseph's  
Healthcare Hamilton



## **HAMILTON CONVENTION CENTRE by Carmen's**

1 Summers Lane, Hamilton, ON

### **TARGET AUDIENCE**

General Internists, Subspecialists, Emergency Medicine Physicians, Hospitalists, Community Physicians, Family Physicians, General Practitioners, Interns, Residents, Physician Assistants, Nurse Practitioners and Trainees in Internal Medicine and its Specialties

#### **For More Information**

McMaster University, Continuing Health Sciences Education  
Angela Silla, CHSE Lead Coordinator  
(905) 525-9140 x 26327 | [silla@mcmaster.ca](mailto:silla@mcmaster.ca)

or

Carol Stewart, CMP, CHSE Coordinator  
(905) 525-9140 x 20052 | [castewa@mcmaster.ca](mailto:castewa@mcmaster.ca)

**Register online: [www.mcmasterinternalmedicine.ca](http://www.mcmasterinternalmedicine.ca)**

## LEARNING OBJECTIVES

**By attending this activity, participants will be able to:**

1. Learn practical approaches to medical problems from different disciplines of internal medicine encountered by hospital-based medicine practitioners.
2. Learn practical approaches to medical problems from different disciplines of medicine encountered in ambulatory settings.
3. Appreciate the breadth of internal medicine problems faced by clinicians.
4. Learn about controversies in internal medicine.
5. Update knowledge in problems encountered in internal medicine.

## DIRECTOR & CHAIR

### **Dr. Akbar A. Panju**

Boris Family Chair in Medicine  
Professor and Associate Chair  
Department of Medicine  
McMaster University

## CO CHAIRS

### **Dr. Paul M. O'Byrne**

Dean and Vice-President  
Faculty of Health Sciences  
McMaster University

### **Dr. Ally P. H. Prebtani**

Professor  
Department of Medicine  
McMaster University

### **Dr. Mark Crowther**

Professor and Chair  
Department of Medicine  
McMaster University

### **Dr. Khalid Azzam**

Professor  
Department of Medicine  
McMaster University

## PLANNING COMMITTEE

### **Dr. Barry Lumb**

Professor  
McMaster University

### **Dr. Alistair Ingram**

Professor  
McMaster University

### **Dr. Zara Khalid**

Associate Professor  
McMaster University

### **Dr. Marianne Talman**

Associate Professor  
McMaster University

### **Dr. Nishma Singhal**

Associate Professor  
McMaster University

### **Dr. Mohamed Panju**

Associate Professor  
McMaster University

### **Dr. Ameen Patel**

Professor  
McMaster University

### **Dr. Lori Whitehead**

Professor  
McMaster University

### **Dr. John Neary**

Associate Professor  
McMaster University

### **Dr. Sharon Marr**

Associate Professor  
McMaster University

### **Dr. Rick Tytus**

Associate Clinical Professor  
McMaster University

### **Dr. Jason Cheung**

Assistant Professor  
McMaster University

### **Dr. Samir Raza**

Assistant Professor  
McMaster University

### **Ms. Angela Silla**

CHSE Lead Coordinator  
McMaster University

### **Ms. Carol Stewart**

CHSE Coordinator  
McMaster University

## DISCLOSURE OF CONFLICTS OF INTEREST

In keeping with accreditation requirements and the National Standard for Support, McMaster University, Continuing Health Sciences Education Program requires that all speakers, planning committee members, moderators, facilitators and authors participating in this activity must disclose all relationships with for-profit and not-for-profit organizations over the previous two years. Disclosure must be done in print, verbally, and in writing on a slide prior to the speaker's presentation.



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**DAY 1: Wednesday, March 25, 2020****MORNING SESSION I****Akbar A. Panju, Moderator**

- 07:00 – 08:00 **REGISTRATION & BREAKFAST**
- 08:00 – 08:10 Welcome and introductions  
**Akbar A. Panju**
- 08:10 – 08:30 What's new in the management of acute coronary syndrome  
**Shamir Mehta**
- 08:30 – 08:50 Management of acute heart failure  
**Catherine Demers**
- 08:50 – 09:10 Managing atrial fibrillation (including stress induced and subclinical)  
**Jeff Healey**
- 09:10 – 09:30 Managing a patient who has aortic stenosis or mitral regurgitation: when to refer for procedure  
**Douglas Wright**
- 09:30 – 09:50 Update on Congenital Heart Disease in Adults  
**Arsha Karbassi**
- 09:50 – 10:15 **PANEL DISCUSSION Q&A**
- 10:15 – 10:30 **REFRESHMENT BREAK & STRETCH EXERCISE**

**MORNING SESSION II****Ally P. H. Prebtani, Moderator**

- 10:30 – 10:50 How to follow a patient with chronic kidney disease in the community: when to refer?  
**Matthew Miller**
- 10:50 – 11:10 Managing acute kidney injury in a hospitalized patient  
**Seychelle Yohanna**
- 11:10 – 11:30 Hemodialysis and peritoneal dialysis for the non-nephrologist  
**Matthew Lanktree**
- 11:30 – 11:50 Pregnancy as a window to future health  
**Serena Gundy**
- 11:50 – 12:10 **PANEL DISCUSSION Q&A**
- 12:10 – 01:00 **LUNCH & STRETCH EXERCISE**

**AFTERNOON SESSION I****Lori Whitehead, Moderator**

- 01:00 – 01:20 New treatment approaches for asthma  
**Helen Neighbour**
- 01:20 – 01:40 Update on COPD  
**Joshua Wald**
- 01:40 – 02:00 Diagnosis and treatment of pulmonary hypertension  
**Nathan Hambly**
- 02:00 – 02:20 Oxygen therapy and non invasive ventilation in acute and non acute medicine  
**Derek Chu**
- 02:20 – 02:40 **PANEL DISCUSSION Q&A**
- 02:40 – 03:00 **REFRESHMENT BREAK & STRETCH EXERCISE**

**AFTERNOON SESSION II****Shariq Haider, Moderator**

- 03:00 – 03:20 HIV/AIDS Update  
**Philippe El-Helou**
- 03:20 – 03:40 Diabetic foot infections  
**Eva Piessens**
- 03:40 – 04:00 The 2019 Novel Coronavirus: What we know so far  
**Dominic Mertz**
- 04:00 – 04:20 Update on septic shock  
**Bram Rochweg**
- 04:20 – 04:40 **PANEL DISCUSSION Q&A**

**KEYNOTE ADDRESS****Moderator: Akbar A. Panju**

- 04:40 – 05:10 Immune therapy for cancer treatment  
**Rosalyn Juergens**
- 05:10 – 05:20 **Q&A**
- 05:30 – 06:30 **RECEPTION (with live entertainment)**

\*Activity subject to change

\*\*For interactivity each talk will include 2 questions using Audience Response System in addition to Panel Discussion Q&amp;A

**DAY 2: Thursday, March 26, 2020****MORNING SESSION I****Khalid Azzam, Moderator**07:00 – 08:00 **REGISTRATION & BREAKFAST**08:00 – 08:05 **MORNING STRETCH**08:10 – 08:30 Managing diabetes: what's new?  
**Hertzel C. Gerstein**08:30 – 08:50 Obesity management in 2020  
**Megha Poddar**08:50 – 09:10 Who, when and how to treat hyperlipidemia  
**Guillaume Paré**09:10 – 09:30 Managing hypertension in 2020: Is there anything new?  
**Ally P. H. Prebtani**09:30 – 09:50 Managing hyperthyroidism  
**Meera Luthra**09:50 – 10:15 **PANEL DISCUSSION Q&A**10:15 – 10:30 **REFRESHMENT BREAK & STRETCH EXERCISE****MORNING SESSION II****Sharon Marr, Moderator**10:30 – 10:50 Use of opioids and non opioids in the management of non cancer pain  
**Anne Holbrook**10:50 – 11:10 When to consider medical cannabis  
**Mitchell Levine**11:10 – 11:30 Approach to insomnia  
**Brian Misiaszek**11:30 – 11:50 Update on dementia  
**Christopher Patterson**11:50 – 12:10 **PANEL DISCUSSION Q&A**12:10 – 01:00 **LUNCH & STRETCH EXERCISE****AFTERNOON SESSION I****Marianne Talman, Moderator**01:00 – 01:20 Approach to acute polyarthritis  
**Faiza Khokhar**01:20 – 01:40 Recognition and management of seronegative spondyloarthritis  
**Raj Carmona**01:40 – 02:00 Update on giant cell arteritis and polymyalgia rheumatica  
**Stephanie Garner**02:00 – 02:20 Biologics in the treatment of rheumatological conditions  
**Alfred Cividino**02:20 – 02:40 Osteoporosis: A practical approach  
**Aliya Khan**02:40 – 03:05 **PANEL DISCUSSION Q&A**03:05 – 03:20 **REFRESHMENT BREAK & STRETCH EXERCISE****AFTERNOON SESSION II****Mohamed Panju, Moderator**03:20 – 03:40 Approach to a patient with chronic diarrhea  
**Siwar Albashir**03:40 – 04:00 How to approach abnormal liver function tests  
**Barry Lumb**04:00 – 04:20 Cirrhosis: diagnosis and management  
**Marco Puglia**04:20 – 04:40 How to provide safe transition from hospital to home  
**Khalid Azzam**04:40 – 05:00 **PANEL DISCUSSION Q&A**

\*Activity subject to change

\*\*For interactivity each talk will include 2 questions using Audience Response System in addition to Panel Discussion Q&amp;A

**DAY 3: Friday, March 27, 2020****MORNING SESSION I****Mark Crowther, Moderator**

- 07:00 – 08:00 **REGISTRATION & BREAKFAST**
- 08:00 – 08:05 **MORNING STRETCH**
- 08:10 – 08:30 Hyperacute stroke: What do you need to know?  
**Luciana Catanese**
- 08:30 – 08:50 Approach to a patient with a carotid bruit  
**Wes Oczkowski**
- 08:50 – 09:10 Practical approach to movement disorders  
**Barbara Connolly**
- 09:10 – 09:30 Managing headaches: What's new?  
**Rose Giammarco**
- 09:30 – 09:50 An approach to a patient with peripheral neuropathy  
**Steven Baker**
- 09:50 – 10:15 **PANEL DISCUSSION Q&A**
- 10:15 – 10:30 **REFRESHMENT BREAK & STRETCH EXERCISE**

**MORNING SESSION II****John Neary, Moderator**

- 10:30 – 10:50 Prevention and treatment of venous thrombosis  
**Peter Gross**
- 10:50 – 11:10 Evaluating anemia: when to refer and when to follow  
**Menaka Pai**
- 11:10 – 11:30 How do I interpret and manage a high serum ferritin  
**Wendy Lim**
- 11:30 – 11:50 Myeloproliferative malignancies for the non-hematologist  
**Chris Hillis**
- 11:50 – 12:10 **PANEL DISCUSSION Q&A**
- 12:10 – 01:15 **LUNCH & STRETCH EXERCISE**

**AFTERNOON SESSION I****Zara Khalid, Moderator**

- 01:15 – 01:35 Oncological emergencies (including side effects of new cancer treatments)  
**Aly-Khan Lalani**
- 01:35 – 01:55 Update on Prostate Cancer Screening  
**Edward Matsumoto**
- 01:55 – 02:15 Update in ovarian cancer screening and genetic risk of gynecological malignancies  
**Lorraine (Laurie) Elit**
- 02:15 – 02:35 End of life decision making in ICU and on the ward  
**Jill Rudkowski**
- 02:35 – 02:55 **PANEL DISCUSSION Q&A**
- 02:55 – 03:15 **REFRESHMENT BREAK & STRETCH EXERCISE**

**AFTERNOON SESSION II****Samir Raza, Moderator**

- 03:15 – 03:35 Performing a pre-operative evaluation  
**Flavia Kessler-Borges**
- 03:35 – 03:55 Managing anticoagulants and antiplatelets in the peri-operative period  
**James Douketis**
- 03:55 – 04:15 Principles of in-patient addiction medicine  
**Leslie Martin**
- 04:15 – 04:35 Virtual care  
**Rick Tytus**
- 04:35 – 04:55 **PANEL DISCUSSION Q&A**
- 04:55 Concluding remarks  
**Co-Chairs**

\*Activity subject to change

\*\*For interactivity each talk will include 2 questions using Audience Response System in addition to Panel Discussion Q&amp;A

## SPEAKERS & MODERATORS AFFILIATIONS

<b>Shamir Mehta</b> Professor	<b>Bram Rochweg</b> Assistant Professor	<b>Aliya Khan</b> Clinical Professor	<b>Lorraine (Laurie) Elit</b> Professor
<b>Catherine Demers</b> Associate Professor	<b>Rosalyn Juergens</b> Associate Professor	<b>Siwar Albashir</b> Assistant Professor	<b>Jill Rudkowski</b> Associate Professor
<b>Jeff Healey</b> Professor	<b>Hertz C. Gerstein</b> Professor	<b>Barry Lumb</b> Professor	<b>Flavia Kessler-Borges</b> Assistant Professor
<b>Douglas Wright</b> Assistant Professor	<b>Megha Poddar</b> Assistant Clinical Professor (Adjunct) McMaster University	<b>Marco Puglia</b> Assistant Professor	<b>James Douketis</b> Professor
<b>Arsha Karbassi</b> Assistant Professor	<b>Guillaume Paré</b> Professor	<b>Khalid Azam</b> Professor	<b>Leslie Martin</b> Assistant Professor
<b>Matthew Miller</b> Associate Professor	<b>Ally P. H. Prebtani</b> Professor	<b>Lucianna Catanese</b> Assistant Professor	<b>Rick Tytus</b> Associate Clinical Professor
<b>Seychelle Yohanna</b> Assistant Professor	<b>Meera Luthra</b> Associate Professor	<b>Wes Oczkowski</b> Professor	<b>Akbar A. Panju</b> Professor
<b>Matthew Lanktree</b> Assistant Professor	<b>Anne Holbrook</b> Professor	<b>Barbara Connolly</b> Associate Professor	<b>Lori Whitehead</b> Professor
<b>Serena Gundy</b> Assistant Professor	<b>Mitchell Levine</b> Professor	<b>Rose Giammarco</b> Associate Clinical Professor	<b>Shariq Haider</b> Professor
<b>Helen Neighbour</b> Associate Professor	<b>Brian Misiaszek</b> Associate Professor	<b>Steven Baker</b> Associate Professor	<b>Sharon Marr</b> Associate Professor
<b>Joshua Wald</b> Assistant Professor	<b>Christopher Patterson</b> Professor Emeritus	<b>Peter Gross</b> Associate Professor	<b>Marianne Talman</b> Associate Professor
<b>Nathan Hambly</b> Assistant Professor	<b>Faiza Khokhar</b> Clinical Scholar	<b>Menaka Pai</b> Associate Professor	<b>Mohammed Panju</b> Associate Professor
<b>Derek Chu</b> Clinical Scholar	<b>Raj Carmona</b> Associate Professor	<b>Wendy Lim</b> Associate Professor	<b>Mark Crowther</b> Professor
<b>Phillippe El-Helou</b> Associate Professor	<b>Stephanie Garner</b> Clinical Scholar	<b>Chris Hillis</b> Assistant Professor	<b>John Neary</b> Associate Professor
<b>Eva Piessens</b> Associate Professor	<b>Alfred Cividino</b> Professor	<b>Aly-Khan Lalani</b> Assistant Professor	<b>Zara Khalid</b> Associate Professor
<b>Dominic Mertz</b> Associate Professor		<b>Edward Matsumoto</b> Associate Professor	<b>Samir Raza</b> Assistant Professor

## ACCREDITATION STATEMENTS

McMaster University, Continuing Health Sciences Education Program (CHSE) is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME) to provide CFPC Mainpro+ and RCPSC Maintenance of Certification (MOC) study credits for Continuing Medical Education.

This one-credit-per-hour Group Learning program meets the certification criteria of **The College of Family Physicians of Canada** and has been certified by

McMaster University, Continuing Health Sciences Education Program for up to **22.25** Mainpro+ credits.

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of **The Royal College of Physicians and Surgeons of Canada** and approved by McMaster University, Continuing Health Sciences Education Program. You may claim a maximum of **22.25** hours (credits are automatically calculated).

Through an agreement between The Royal College of Physicians and Surgeons of Canada and The American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found at: [ama-assn.org/go/internationalcme](http://ama-assn.org/go/internationalcme)

Each healthcare provider should claim only those hours of credit that he/she actually spent in the educational activity.

# INFORMATION

**WEBSITE** [mcmasterinternalmedicine.ca](http://mcmasterinternalmedicine.ca)

**FOR REGISTRATION INFORMATION**  
[cmereg@mcmaster.ca](mailto:cmereg@mcmaster.ca)

**REGISTER ONLINE**  
[mcmasterinternalmedicine.ca](http://mcmasterinternalmedicine.ca)

**REGISTER BY MAIL**  
Send your completed registration form to:  
**McMaster University**  
**Continuing Health Sciences Education (CHSE)**  
1280 Main St. W., DBHSC, Room 5004, Hamilton, ON L8S 4K1

**REGISTER IN PERSON**  
Bring your completed registration form with Visa, MasterCard, AMEX or cash payment to the Continuing Health Sciences Education  
100 Main Street West, 5th Floor, Room 5004  
Hamilton, ON L8P 1H6  
Monday to Friday between the hours of 9:30am – 4:00pm

**REGISTER BY PHONE**  
Call (905) 525-9140 x 22671 (Visa, MasterCard OR AMEX are accepted)

**REGISTER BY FAX**  
Fax a completed registration form with a Visa, MasterCard or AMEX number to (905) 572-7099

**ACCOMMODATIONS**  
**Sheraton Hotel**  
116 King Street West, Hamilton, ON  
(905) 529-5515 or 1-888-627-8161

**Rates:** \$159–\$199/night. Book by March 2, 2020  
Please quote the “McMaster Review” group rate.  
*\*A limited number of rooms have been blocked at the program rate and are available on a first come first-served basis.*

**FOR MORE INFORMATION**  
**Angela Silla, CHSE Lead Coordinator**  
(905) 525-9140 x 26327 | [silla@mcmaster.ca](mailto:silla@mcmaster.ca)  
or **Carol Stewart, CMP, CHSE Coordinator**  
(905) 525-9140 x 20052 | [castewa@mcmaster.ca](mailto:castewa@mcmaster.ca)

**LIABILITY**  
**McMaster University, Continuing Health Sciences Education (CHSE) hereby assumes no liability for any claims, personal injury, or damage:**

- To any individual attending this activity.
- That may result from the use of technologies, program, products and/or services at this activity.
- That may arise out of, or during this activity.

**CANCELLATION POLICY**  
The University reserves the right to cancel a course due to insufficient registration or any circumstances that are beyond our control. Cancellations received before **March 11, 2020** will be refunded less a 25% administrative fee to a maximum of \$50.00. No refunds will be issued for cancellations received after this date.

**FROM TORONTO**

- Take Hwy 407 West or the QEW West to Hwy 403 Hamilton.
- Exit at Main Street East exit and follow past Bay Street to Summers Lane.
- The Convention Centre is on Summers Lane.

**FROM NIAGARA FALLS, FORT ERIE**

- Take QEW West to Hamilton and exit at Burlington Street.
- Turn left at Wellington Street North and right at King Street East.
- The Convention Centre is on Summers Lane just past MacNab Street.

**FROM LONDON, WINDSOR**

- Take the 401 East to the 403 East Hamilton.
- Proceed to Main Street East exit in Hamilton and follow it past Bay Street to Summers Lane.
- The Convention Centre is on Summers Lane.



**PARKING LOCATIONS**

1. Hamilton Convention Centre	6. Library
2. Hamilton Place	7. Eaton Centre
3. City Hall	8. Jackson Square
4. Sheraton Hotel	<b>P</b> Parking
5. FirstOntario Centre	→ One Way Streets

# REGISTRATION FORM

McMaster University Review Course in Internal Medicine March 25–27, 2020

Surname

Given

Profession:

 MD - FP/FP MD Spec NP Nursing PA OT/PT Pharm Resident Student Other

Specify

Specify

Specify

Royal College Members (only) ID# (for auto upload of MOC credits)

Specify

Address

City

Province

Postal Code

Area Code

Phone

Area Code

Fax  Cell

Email \*Your registration cannot be processed without an email address

Payment By:

 Visa M/C AMEX CASH CHEQUE

Pls make cheque payable to "McMaster University"  
\*\* Registration by cheque cannot be confirmed until payment has been processed.

Amount: \$

+ 13% HST

\*HST# 11903 5988 RT0001

Card Number

Expiry:

Signature

## CONFIRMATION OF REGISTRATION

A written acknowledgement of your registration will be sent prior to the activity. Receipts are emailed at the time of registration and an additional email will be sent after the activity, confirming your certificate of attendance is ready to download or print. Your registration is not complete unless a confirmation is received. If you have not received a confirmation within 7 days of registration, please contact the CHSE office.

## REGISTRATION FEES

### Physicians - Full Program

\$695.00 +HST - Early Bird before **February 7, 2020**

\$765.00 +HST - After **February 7, 2020**

### Allied Health - Full Program

\$400.00 +HST

### Residents, Interns and Students - Full Program

\$350.00 +HST

### One Day Rate

\$295.00 +HST (please select days attending)

**Wednesday**

**Thursday**

**Friday**

**\*Pre-registration will be available at the Sheraton Hamilton Hotel (2<sup>nd</sup> Floor) on: Tuesday, March 24, 2020 5:00–8:00 p.m.**

For those with special dietary needs some accommodation may be available:

Vegetarian: \_\_\_\_\_

Allergy: \_\_\_\_\_

Other: \_\_\_\_\_

\*Please note: special meal requests may require an additional fee. Please contact the CHSE office for details.

Please identify any accessibility needs:

\_\_\_\_\_

If you require **personal support** at this activity, the health aid provider must register in advance at the general public rate.

## FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

The information on this form is collected under the authority of the McMaster University Act, 1976. The information will be used for administrative purposes, including: your registration in the course; preparation of course materials for your use and to notify you of other courses or pertinent information. Financial information will be used to process applicable fees and will be retained for future reference. This information is protected and is being collected pursuant to section 39(2) and section 42 of the Freedom of Information and Protection of Privacy Act of Ontario (RSO 1990). Questions regarding the collection or use of this personal information should be directed to the University Secretary, Gilmour Hall, Room 210 McMaster University.