

Welcome to CDDW™ 2019!

The Canadian Association of Gastroenterology (CAG) is excited to welcome you to Canadian Digestive Diseases Week™ (CDDW™) 2019.

CDDW™ is Canada's premier education, research, and networking event for the field of gastroenterology. Please visit our many exhibitors showcasing their latest products, services and promotional materials. Don't forget to purchase your ticket for **Saturday's CDDW™ Social Event.**

Network Hall

- Nutrition break refreshments and lunches
- Network Hall Draw - You could win 1 of 12 prizes for hotel accommodations at CDDW™ 2020 in Montréal!
- Lounges that feature device charging stations and iPads with the latest in educational videos. Lounges are located at the AbbVie and Pfizer booths.
- Opening Reception on Friday, March 1 at 17h30 - complimentary drinks and hors d'oeuvres
- CDDW™ Daily News. Each morning during CDDW™ the CAG will highlight the key events of that day.
- ***New*** this year we will be featuring the Posters of Distinction in the Presidents Foyer of the Conference Centre.
- Monday has been reserved for the CAG Special Interest Groups (SIGs). Experts from across Canada can have productive, un-interrupted, face-to-face meetings and workshops to advance and improve specialized areas of gastroenterology.

CDDW™ offers both clinical and basic science sessions, including the trademark sessions noted next. Providing quality care has been a focus for this year's educational topic selection.

Richard D. McKenna Memorial Lecture

Named after the founder of the Association, this prestigious lecture features an international leader in pediatric inflammatory bowel disease (IBD) and IBD related gene discovery. **Dr. Anne Griffiths**, University of Toronto, Canada is this year's recipient and speaker at the Richard D. McKenna Memorial Lecture on Saturday March 2nd at 17h30. Her talk is titled *Pediatric IBD: Progress and Challenges*. Don't miss it!

Postgraduate Course: Advances in Gastroenterology and Hepatology

Intended to quickly bring clinicians up-to-date with short updates on advances in selected areas.

Plenary Symposia

Address a variety of timely, basic and clinical science topics.

Breakfast with the Experts & Small Group Sessions

Offer interactive time with leaders in the field in a small group learning format.

Hands-on Skills and Techniques

Back by popular demand with six highly interactive training stations: Video Capsule Endoscopy, Stent Insertion, Skills Enhancement for Endoscopy™, Hemostasis, ERCP Cannulation and Polypectomy. *Pre-registration required*
New for this year: an exclusive session for trainees

Enjoy. Learn. Interact and network! Please remember to complete your evaluations so we can ensure CDDW™ 2020 in Montréal, is an even better educational experience!

Download the CDDW2019 app and follow us on Facebook and Twitter (@cddwcanada) and use the hashtag #CDDW2019

All **core sessions of CDDW™** will be held at the Fairmont Banff Springs

Registration Desk hours – Main Foyer, Conference Centre

Thursday, February 28	16h00-18h00
Friday, March 1	07h00-17h00
Saturday, March 2	07h30-17h00
Sunday, March 3	07h30-16h00

NETWORK HALL HOURS

Network Hall is located in the **Van Horne Ballroom B&C** and will be open as follows:

Friday, March 1	09h30-18h30
Saturday, March 2	10h30-15h30
Sunday, March 3	10h30-15h30

SPEAKER READY ROOM

Please note that all speakers are asked to present themselves at the Speaker Ready Room, **N.R. Crump**, at least four hours before their presentation.

Speaker Ready Room Hours

February 28	16h00-18h00
March 1	07h00-17h00
March 2	07h30-17h00
March 3	07h30-15h00

NO presentation preparation/loading for plenary sessions will be permitted to take place in rooms Baron Shaughnessy & Sir Edward Beatty, Theatre, and Van Horne A. Breakfast and small group presentations may be loaded in their designated rooms.

CDDW™ IMPLEMENTATION COMMITTEE

Chair	Kevin Waschke, <i>CAG President Elect</i>
Committee	Nicola Jones, <i>Past Co-Chair</i> Charles Ménard, <i>Education</i> Bruce Vallance, <i>Research</i> Elena Verdu, <i>Finance</i> Cindy Roll, <i>Executive Director</i>

GRIT Course

Robert Berger, Elyanne Ratcliffe

Scholars' Program

Herbert Brill, Steven Gruchy

Research Topics in GI Disease

Premysl Bercik, Nathalie Perreault

CDDW™ Scientific Planning Committee Conflict of Interest Disclosure

The following members of the Implementation Committee have indicated that they do have potential conflicts of interest to disclose:

Ménard, Charles: *Pendopharm (Research Support)*
Vallance, Bruce: *Qu Biologics (Research Support)*

The following members of the Implementation Committee have indicated that they do not have potential conflicts of interest to disclose:

Jones, Nicola
Waschke, Kevin

Speaker disclosures may be found at <https://www.cag-acg.org/cddw>

The CDDW™ Social Event – Saturday, March 2nd 20h00 – 23h00

Mix and mingle with fellow CDDW™ delegates for the 1st annual CDDW™ social event! Food stations, games, along with live entertainment will be provided.

Tickets: \$100.00 CAD, plus tax.

CanMEDS ROLES

CanMEDS is a framework that identifies and describes the abilities physicians require to effectively meet the health care needs of the people they serve. These abilities are grouped thematically under seven roles: Medical Expert (the integrating role), Communicator, Collaborator, Leader, Health Advocate, Scholar and Professional. The CDDW™ program will include all CanMEDS roles which will also be identified at the beginning of each session. For more information on these newly revised definitions, visit:

<http://www.royalcollege.ca/rcsite/canmeds/canmeds-framework-e>

ACCREDITATION

The CDDW™ Meeting 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 (RCPSC) and approved by the Canadian Association of Gastroenterology (CAG). This meeting is approved for a maximum of 20 Section one credits.

Canadian Association
of Gastroenterology



L'Association Canadienne
de Gastroentérologie

This program has received an educational grant or in-kind support from those sponsors listed on the back cover of the program.

Live educational activities, occurring in Canada, recognized by the RCPSC as Accredited Group Learning Activities (Section 1) are deemed by the European Union of Medical Specialists eligible for ECMEC credits.

Through an agreement between the RCPSC and the American Medical Association (AMA), physicians may convert RCPSC MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert RCPSC MOC credit to AMA credit can be found at <https://www.ama-assn.org/education/agreement-royal-college-physicians-surgeons-canada>

The 2019 CDDW™ is endorsed by:

Faculty who are American College of Gastroenterology Fellows or Masters are identified throughout the program by the * symbol.



CDDW™ – PROGRAM AT A GLANCE

Start	FRIDAY			SATURDAY					SUNDAY					Start					
07h00▲														07h00▲					
07h30▲														07h30▲					
08h00▲	Clinical Papers	Practical Approach to Food Allergies	Mucosal Immunology	IBS Management	Anticoagulation/ NOACS and Reversal	Advances in Quality	EoE	Intestinal Epithelial Cells	IBD in the Morning	PPI	Skin Manifestations c GI Disease	NAFLD in the Community	08h00▲						
08h30▲																			
09h00▲																			
09h30▲	Exhibits & Coffee Break			NAFLD		IBD Therapy		Autoimmune Hepatobiliary Disease		CAG / NASPGHAN Evidence Based Therapies In IBS			09h30▲						
10h00▲	Basic science Student Prizes	Hands on Skills	Hepatology Update for the Gastroenterologist	Exhibits & Coffee Break					Exhibits & Coffee Break					10h00▲					
10h30▲				Small Group Sessions					Small Group Sessions					10h30▲					
11h00▲				Small Group Sessions					Small Group Sessions					11h00▲					
11h30▲	Exhibits & Lunch			Small Group Sessions					Small Group Sessions					11h30▲					
12h00▲	Exhibits & Lunch			Small Group Sessions					Small Group Sessions					12h00▲					
12h30▲	Intestinal Fibrosis	Hands on Skills	Case-based Problems	Exhibits & Lunch					Exhibits & Lunch					12h30▲					
13h00▲				Career Development	Viral Hepatitis B & C Case based	Clinical Implications of Altered Gut Motility	CAG Research Award Lectures	Managing Complications of End-Stage Liver Disease	Gastroenterologist for Life	13h00▲									
13h30▲										13h30▲									
14h00▲	Exhibits & Coffee Break			Exhibits & Coffee Break					Exhibits & Coffee Break					14h00▲					
14h30▲	Exhibits & Coffee Break			Exhibits & Coffee Break					Exhibits & Coffee Break					14h30▲					
15h00▲	Digestive Cancer Biology	Modern Issues in Endoscopy	Nerve-Gut Interactions	Guideline Review	CAG Quality Award Lectures	Enteric Infections	Endoscopy Video Cases	Understanding IBD Pathogenesis	15h00▲										
15h30▲									McKenna Reception					Awards Reception (by invite only)					15h30▲
16h00▲									CAG AGM			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)		
16h30▲	CAG AGM			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)					16h30▲					
17h00▲	CAG AGM			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)					17h00▲					
17h30▲	CDDW™ Opening Reception			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)					17h30▲					
18h00▲	CDDW™ Opening Reception			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)					18h00▲					
18h30▲	CDDW™ Opening Reception			McKenna Lecture: A. Griffiths					Awards Reception (by invite only)					18h30▲					
18h30▲	Trainee Mixer			Poster Session 1					Poster Session 2					18h30▲					
19h00▲	Trainee Mixer			Poster Session 1					Poster Session 2					19h00▲					
19h30▲	Trainee Mixer			Poster Session 1					Poster Session 2					19h30▲					
20h00▲	CDDW™ Social			CDDW™ Social					CDDW™ Social					20h00▲					
23h00▲	CDDW™ Social			CDDW™ Social					CDDW™ Social					23h00▲					

AGM (Annual general meeting); EoE (Eosinophilic esophagitis); GI (Gastrointestinal); NAFLD (Non-alcoholic fatty liver disease); IBD (Inflammatory bowel disease); IBS (Irritable bowel syndrome); NASPGHAN (North America Society for Pediatric Gastroenterology, Hepatology and Nutrition); NOACS (New Oral Anticoagulants); PPI (Proton-pump inhibitor)

OVERALL LEARNING OBJECTIVE FOR CDDW™ 2019

At the end of the conference delegates will be able to:

1. Identify evolving new areas of clinical and basic research in gastroenterology and hepatology.
2. Affirm through evaluation of the evidence that knowledge and management strategies are current.
3. Formulate management strategies for patients with gastrointestinal, including liver, disease.
4. Compare and contrast a wide variety of therapeutic approaches in the care of patients with gastrointestinal, including liver, disease.
5. Recognize the importance of quality measures and patient safety initiatives in clinical and endoscopic practice.
6. Interact with colleagues to foster a community of practice.

These learning objectives also apply to all lectures/poster sessions at CDDW™ 2019 that do not list individual objectives.

POSTGRADUATE COURSE

Specialists may be defined by their knowledge of the leading edge issues in gastroenterology and hepatology. The Postgraduate Course is intended to bring you up to date on developments in selected areas and get you ready for the challenges of 2019.

08h00-09h30	<p>POSTGRADUATE COURSE: Van Horne A</p> <p>Practical Approach to Food Allergies: Therapeutic Advances</p> <hr/> <p>Learning Objectives:</p> <p>At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Understand the types of food reactions and the benefit of consulting an allergist for managing eosinophilic esophagitis (EoE) and IBS 2. Explain the role of food in the diagnosis and management of EoE 3. Describe the allergy-mediated mechanisms of diet in generating symptoms in IBS <p>Co-Chairs: Karen Kroeker, University of Alberta and Matreyi Ramen, University of Calgary</p> <ul style="list-style-type: none"> • Dealing with suspected food allergies and sensitivities Peter Gibson, Monash University • Pre-clinical and clinical models of food mediated immune mechanisms in IBS Stephen Vanner, Queen's University • The role of food in the diagnosis and management of EoE Mary Sherlock, McMaster University
08h00-09h30	<p>†CAG Selected Clinical Presentations Baron Shaughnessy/Sir Edward Beatty</p> <hr/> <p>Learning Objectives:</p> <p>At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Explore innovations in the clinical care of patients with complex gastrointestinal disease 2. Evaluate new information related to advances in the treatment of gastrointestinal diseases 3. Recognize new directions in research into the management and care of patients with gastrointestinal illness <p>Co-Chairs: Anthony Otley, Dalhousie University and Frances Tse, McMaster University</p> <p>Longitudinal changes in the direct cost of IBD care in the biologic era (abstract 1)</p> <p><u>L.E. Targownik</u>¹, J. Witt¹, C.N. Bernstein², H. Singh³, A. Avina Zubieta¹¹, E.I. Benchimol⁴, S. Coward⁵, J. Jones⁶, G.G. Kaplan⁷, S. Murthy⁸, G.C. Nguyen⁹, J. Pena-Sanchez¹⁰, S. Shaffer¹, A. Tennakoon¹</p> <p>1. <i>Internal Medicine, University of Manitoba, Winnipeg, MB, Canada;</i> 2. <i>University of Manitoba, Winnipeg, MB, Canada;</i> 3. <i>University of Manitoba, Winnipeg, MB, Canada;</i> 4. <i>Gastroenterology, Hepatology and Nutrition, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada;</i> 5. <i>University of Calgary, Calgary, AB, Canada;</i> 6. <i>Royal University Hospital, Saskatoon, SK, Canada;</i> 7. <i>Medicine and Community Health Sciences, University of Calgary, Calgary, AB, Canada;</i> 8. <i>Department of Medicine, The Ottawa Hospital, University of Ottawa, Ottawa, ON, Canada;</i> 9. <i>Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada;</i> 10. <i>University of Saskatchewan, Saskatoon, SK, Canada;</i> 11. <i>Arthritis Research Centre, Richmond, BC, Canada</i></p>

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

Life expectancy in patients with Inflammatory Bowel Disease (IBD): a population-based matched cohort study (**abstract 2**)

E. Kuenzig¹, D. Manuel², J. Donelle², E.I. Benchimol¹

1. Gastroenterology, Hepatology and Nutrition, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada; 2. ICES, Ottawa, ON, Canada

A proof-of-concept, phase 2 clinical trial of the GI safety of a hydrogen sulfide-releasing anti-inflammatory drug (ATB-346) (**abstract 3**)

J.L. Wallace¹, P. Nagy³, T. Feener¹, T. Allain¹, T. Ditrói³, D. Vaughan⁴, M. Muscara⁵, G. de Nucci⁶, A. Buret²

1. Physiology & Pharmacology, University of Calgary, Toronto, ON, Canada; 2. University of Calgary, Calgary, AB, Canada; 3. National Institute of Oncology, Budapest, Hungary; 4. Antibe Therapeutics Inc., Toronto, ON, Canada; 5. University of Sao Paulo, Sao Paulo, Brazil; 6. University of Campinas, Campinas, Brazil

Investigating microbial engraftment via a comprehensive culture-enriched and culture-independent metagenomics in patients with ulcerative colitis (**abstract 4**)

S. Shekarriz³, J. Lau¹, F. Whelan¹, C.H. Lee², P. Moayyedi¹, M. Surette¹

1. McMaster University, Hamilton, ON, Canada; 2. St. Joseph's Healthcare, Hamilton, ON, Canada; 3. Biochemistry and Biomedical Sciences, McMaster University, Hamilton, ON, Canada

Association analysis between bile acid-metabolizing microbiota abundance and endoscopic inflammation in inflammatory bowel disease patients (**abstract 5**)

C.A. Hernandez Rocha¹, K. Borowski¹, W. Turpin², B. Kabakchiev¹, K. Boland¹, L. Bedrani², J. Stempak¹, M. Smith¹, G.C. Nguyen¹, H. Steinhart¹, K. Croitoru¹, M.S. Silverberg¹

1. Zane Cohen Centre for Digestive Diseases, Mount Sinai Hospital, Toronto, ON, Canada; 2. Division of Gastroenterology, Department of Medicine, University of Toronto, Toronto, ON, Canada

Treatment trial results from community *H. pylori* projects in arctic Canada (**abstract 6**)

S. Veldhuyzen van Zanten^{*}, A. Morse, J. Morse, s. Girgis, A. Assi, K. Fagan-Garcia, J. Geary, K. Goodman

University of Alberta, Edmonton, AB, Canada

09h30-15h00	NETWORK HALL and e-LEARNING LOUNGE	Van Horne B/C
09h30-10h00	Nutrition Break (Network Hall)	Van Horne B/C
10h00-11h30	POSTGRADUATE COURSE Hepatology Update for the Gastroenterologist	Van Horne A

Learning Objectives:

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

1. Recognize the high prevalence of NAFLD in the North American population; describe non-invasive and easily accessible tools to risk stratify patients at risk of disease progression in NAFLD; and identify new therapies for NAFLD that are in clinical development that may be effective as adjuncts to lifestyle modification
2. Recognize the increasing incidence of HCC in North America; identify the need for multidisciplinary care for patients with HCC; and identify newly-approved chemotherapeutic agents for HCC and identify which patients with HCC are suitable for these new therapies
3. Identify alcoholic liver disease as a growing indication for liver transplantation in North America; identify the highly selected individuals for whom liver transplantation can be considered for acute alcoholic hepatitis; and recognize that traditionally held views around the duration of alcohol abstinence prior to consideration of liver transplantation are being reassessed

Co-Chairs: Michael Charlton, University of Chicago and Alex Aspinall, University of Calgary

- Therapeutic advances for non-alcoholic fatty liver disease (NAFLD)
Michael Charlton, University of Chicago

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

- New systemic treatment options for advanced hepatocellular carcinoma (HCC)
Vincent Tam
- Liver transplantation for acute alcoholic hepatitis and alcoholic liver disease: evolving Canadian guidelines
Alex Aspinall, University of Calgary

10h00-11h30

†CAG STUDENT PRIZE PAPER PRESENTATIONS

Theatre

Learning Objectives:

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

1. Explore innovations in the clinical care of patients with complex gastrointestinal disease
2. Evaluate new information related to advances in the treatment of gastrointestinal diseases
3. Recognize new directions in research into the management and care of patients with gastrointestinal illness

Co-Chairs: Bruce Vallance, University of British Columbia and Wallace MacNaughton, University of Calgary

CAG Student Prize

The polyp-based resect-and-discard strategy (**abstract 7**)

A. Duong¹, M. Bouin², R. Leduc², E. Deslandres², A. Deshêtres³, A. Weber², H. Pohl⁴, A.N. Barkun⁵, D. von Renteln²
1. *University of Montreal, Faculty of Medicine and University of Montreal Hospital Research Center (CRCHUM), Montreal, QC, Canada*; 2. *Division of Gastroenterology, University of Montreal Hospital Center (CHUM) and University of Montreal Hospital Research Center (CRCHUM), Montreal, QC, Canada*; 3. *Division of Internal Medicine, University of Montreal Hospital Center (CHUM) and University of Montreal Hospital Research Center (CRCHUM), Montreal, QC, Canada*; 4. *Department of Veterans Affairs Medical Center, White River Junction, Vermont, and Geisel School of Medicine and The Dartmouth Institute, Hanover, NH*; 5. *Gastroenterology, McGill University, The Montreal General Hospital, GI Division, Montreal, QC, Canada*

CAG Student Prize

The role of cyclooxygenase in colitis-associated cancer (**abstract 8**)

H. Good¹, A.E. Shin¹, L. Zhang¹, E.N. Fazio¹, D. Meriwether², S. Reddy², T.C. Wang³, S. Asfaha¹
1. *Department of Medicine, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada*; 2. *Department of Medicine, Division of Cardiology, UCLA David Geffen School of Medicine, Los Angeles, CA*; 3. *Division of Digestive and Liver Disease, Department of Medicine, Columbia University, New York, ON, Canada*

CAG Postdoctoral Prize

IL37 signaling through SIGIRR: a novel approach to suppress intestinal inflammation (**abstract 9**)

J.M. Allaire¹, S.M. Crowley¹, X. Han², A. Poon¹, B. Vallance³
1. *Pediatrics, University of British Columbia, Vancouver, BC, Canada*; 2. *Pediatrics, BCCHR, Richmond, BC, Canada*; 3. *BC Children's Hospital, Vancouver, BC, Canada*

CAG Student Prize

Defining a role for goblet cell mucus-associated proteins in innate host defense (**abstract 10**)

H. Gorman, F. Moreau, K. Chadee
University of Calgary, Calgary, AB, Canada

CAG Student Prize

The inflammatory caspases coordinate mucosal restriction of *salmonella* through the epithelial-intrinsic inflammasome (**abstract 11**)

S.M. Crowley¹, J.M. Allaire¹, X. Han², F.A. Graef³, M. Stahl⁴, L. Knodler⁶, I. Rauch⁷, B. Vallance⁵
1. *Pediatrics, University of British Columbia, Vancouver, BC, Canada*; 2. *Pediatrics, BCCHR, Richmond, BC, Canada*; 3. *Medicine, UBC, Vancouver, BC, Canada*; 4. *University of British Columbia, Vancouver, BC, Canada*; 5. *BC Children's Hospital, Vancouver, BC, Canada*; 6. *Washington State University, Pullman, WA*; 7. *University of California, Berkeley, CA*

CAG Postdoctoral Prize

Intraluminal nutrients modulate intracellular calcium activity in the enteric nervous system of adult mice (**abstract 12**)

J. Cavin¹, J. Glover², W. MacNaughton¹, K.A. Sharkey¹
1. *Department of physiology and pharmacology, University of Calgary, Calgary, AB, Canada*; 2. *Live Cell Imaging Resource Laboratory, University of Calgary, Calgary, AB, Canada*

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

10h00-11h30	<p>SMALL GROUP SESSION</p> <p>HANDS-ON SKILLS AND TECHNIQUES (open to Physicians)</p> <p>Learning Objectives:</p> <p>At the end of this session participants will be able to:</p> <ol style="list-style-type: none">1. Appreciate the role of conscious competence in enabling the acquisition and enhancement of endoscopic skills2. Understand the relevance of a standardized approach to lesion recognition and characterization in making endoscopic diagnoses3. Appreciate the importance of planning and preparation in performing endoscopic interventions safely and effectively <p>This practical and highly interactive session will provide hands-on training, using animal parts, for a limited number of delegates as they rotate through two of six possible stations (stations selected by delegates at pre-registration).</p> <p>Video Capsule Endoscopy Robert Enns, University of British Columbia</p> <p>Stenting Lawrence Hookey, Queen's University and Richard Sultanian, University of Alberta</p> <p>SEE™ Donald MacIntosh, Dalhousie University and Mark Borgaonkar*, Memorial University</p> <p>Polypectomy Alaa Rostom, University of Ottawa and Michael Gould, University of Toronto</p> <p>Hemostasis Kevin Waschke, McGill University and Sandra Nelles, University of Toronto</p> <p>ERCP Cannulation Charles Ménard, Université de Sherbrooke</p>	D.C. Coleman
11h30-12h30	Lunch (Network Hall)	Van Horne B/C
12h30-14h30	<p>POSTGRADUATE COURSE</p> <p>Case-based Problems</p> <p>Learning Objectives:</p> <p>At the end of this session participants will be able to:</p> <ol style="list-style-type: none">1. Identify and manage malnutrition and dehydration in patients with Short Bowel Syndrome and IBD2. Understand the difference in etiologies of acute recurrent/chronic pancreatitis and formulate a general approach to diagnosis and management3. Identify the differences between pediatric and adult onset Barrett's esophagus and how to manage pediatric Barrett's <p>Co-Chairs: Tanja Gonska, University of Toronto and Maitreyi Raman, University of Calgary</p> <ul style="list-style-type: none">• Hydration and Malnutrition in patients with high ileostomy output and IBD Maitreyi Raman, University of Calgary• Severity and etiology in Pancreatitis - difference between children and adults Tanja Gonska, University of Toronto• Management of pediatric Barrett's esophagus and how it differs from adult Hien Huynh, University of Alberta	Van Horne A

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

12h30-14h30

† SYMPOSIUM:
Intestinal Fibrosis

Theatre

Learning Objectives:

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

1. Understand the pathogenesis of intestinal stricture formation and current perspectives on potential treatment approaches
2. Discuss how to translate lessons from mouse models to investigations in patient cohorts
3. Understand the impact of aberrant smooth muscle function in the pathogenesis of fibrostenotic Crohn's disease

Co-Chairs: Simon Hirota, University of Calgary and Nathalie Perreault, Université de Sherbrooke

- An introduction into clinical course and current understanding of the pathogenesis of fibrosis and remodelling in IBD
Florian Rieder*, Cleveland Clinic
- New fibrosis findings
Laura Sly, University of British Columbia
- Alterations in intestinal smooth muscle phenotype and fibrostenosis
Michael Blennerhassett, Queen's University

Proteins and fibrostenotic Crohn's disease; who showed up to the party? (**abstract 13**)

C. Lu¹, A. Dufour¹, A. Ueno¹, H. Jijon¹, K. Prowse³, K.L. Novak¹, R. Panaccione¹, S.A. Hirota²

1. *Gastroenterology, University of Calgary, Calgary AB, AB, Canada*; 2. *Physiology & Pharmacology, University of Calgary, Calgary, AB, Canada*; 3. *McMaster University, Hamilton, AB, Canada*

Radiation-induced injury causes collagenous sprue-like phenotype in mouse with defective bmp signaling in foxl1+ telocytes (**abstract 14**)

V. Pomerleau, R. Servant, F. Boudreau, N. Perreault

Anatomie et Biologie Cellulaire, Université de Sherbrooke, Sherbrooke, QC, Canada

12h30-14h30

Hands-on Skills and Techniques (open to Residents)

D.C. Coleman

Learning Objectives:

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

1. Appreciate the role of conscious competence in enabling the acquisition and enhancement of endoscopic skills
2. Understand the relevance of a standardized approach to lesion recognition and characterization in making endoscopic diagnoses
3. Appreciate the importance of planning and preparation in performing endoscopic interventions safely and effectively

Video Capsule Endoscopy

Robert Enns, University of British Columbia

Stenting

Lawrence Hookey, Queen's University and Richard Sultanian, University of Alberta

SEE™

Donald MacIntosh, Dalhousie University and Mark Borgaonkar*, Memorial University

Polypectomy

Alaa Rostom, University of Ottawa and Michael Gould, University of Toronto

Hemostasis

Kevin Waschke, McGill University and Sandra Nelles, University of Toronto

ERCP Cannulation

Charles Ménard, Université de Sherbrooke

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

14h30-15h00	Nutrition Break (Network Hall)	Van Horne B/C
15h00-16h30	<p>POSTGRADUATE COURSE Modern Issues in Endoscopy</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Understand the relationship between colonoscopy quality indicators and patient outcomes 2. Demonstrate knowledge of how to measure and record colonoscopy quality indicators and integrate the quality initiatives discussed into their own practice 3. Articulate public and stakeholder expectations about physician performance 4. Describe a framework for physician practice improvement and understand what gastroenterologists can do to optimize their competence/performance 5. Understand the importance for patients to 'take control of their genetic diagnosis 6. Learn strategies specific to young adults to increase compliance 7. Recognize that polyposis phenotypes within a kindred can be variable <p>Co-Chairs: Martha Dirks, University of Montreal and Kevin Waschke McGill University</p> <ul style="list-style-type: none"> • A practical approach to improving the quality of colonoscopy Jennifer Telford*, University of British Columbia • Maintaining competence – evolving expectations Karen Mazurek, College of Physicians and Surgeons of Alberta • Hereditary Polyposis Syndromes: What the adult endoscopist should know Carol Durno, University of Toronto 	Van Horne A
15h00-16h30	<p>† SYMPOSIUM: Digestive Cancer Biology: From molecular biology to mucosal immunity</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Describe the associations between obesity and certain cancers, including digestive cancers; identify the biological mechanisms underlying these associations; and recognize ethnicity /race and visceral obesity as risk factors for colorectal cancer 2. Understand key differences between the systemic and mucosal immune systems; identify shared features of mucosal immunity and the tumor immune microenvironment; and explain multiple mechanisms by which genetic instability in colorectal cancer regulates anti-tumor immunity 3. Understand the role of transcription factors and signaling pathways in IBD and cancer; understand the complexity of cellular roles played by the transcription factor Kaiso <hr/> <p>Co-Chairs: Fernand-Pierre Gendron, Université de Sherbrooke and Juliet Daniel, McMaster University</p> <ul style="list-style-type: none"> • Independent association of visceral fat with colorectal cancer Loic Le Marchand, University of Hawaii • Systemic vs mucosal immunity in colorectal cancer Kristi Baker, University of Alberta • Dancing from the bottoms up: the pro-inflammatory roles of the transcription factor Kaiso in colon cancer Juliet Daniel, McMaster University <p>Impact of dysfunctional mesenchymal telocytes in the development of colitis associated cancer. (abstract 15) <u>V. Reyes-Nicolas</u>¹, V. Pomerleau², P. Garde¹, F. Boudreau³, N. Perreault² 1. <i>Anatomie et biologie cellulaire, Université de Sherbrooke, Sherbrooke, QC, Canada</i>; 2. <i>Anatomie et Biologie Cellulaire, Université de Sherbrooke, Sherbrooke, QC, Canada</i>; 3. <i>Anatomie et biologie cellulaire, Université de Sherbrooke, Sherbrooke, QC, Canada</i></p>	Theatre
16h30-17h30	<p>CAG ANNUAL GENERAL MEETING</p> <p>View agenda by logging in to your MY CAG account.</p>	Van Horne A

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

FRIDAY MARCH 1

17h30-18h30

CDDW™ OPENING RECEPTION

Van Horne B/C

The conference showcases the latest, cutting-edge products, equipment and services for gastroenterology clinicians and researchers. Exhibitors include companies from the pharmaceutical and food industry as well as the device/instrumental sector, not for profits, and charitable organizations. We invite you to help us open the meeting, take the time to get to know the exhibitors and their offerings, and catch up with colleagues while enjoying complimentary drinks and hors d'oeuvres. Give a note of thanks to our sponsors and exhibitors as, without their critical support, this meeting would not be possible!

While at each exhibit booth, have your badge scanned to be entered into a contest for a chance to win 1 of 12 prizes for complimentary room nights at the Fairmont Queen Elizabeth (base room and taxes) for CDDW™ 2020.

18h30-20h00

TRAINEE MIXER

Gate House Foyer

We are offering trainees the opportunity to mix and mingle with others who are at a similar stage in their career development. Whether you are a graduate student, medical student, resident or post-doctoral fellow, come meet your colleagues from across Canada to compare notes on your research, career aspirations or next steps. We respectfully ask that only trainees take part in this mixer. Light snacks and beverages will be served. You may use a CDDW™ drink ticket or cash bar for beverages.

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

SATURDAY MARCH 2nd

08h00-09h00	BREAKFAST WITH THE EXPERTS Irritable Bowel Syndrome (IBS) Management	Oak
<hr/>		
Learning Objectives: At the end of this session participants will be able to: 1. Discuss the evidence for different management approaches in IBS for both pediatric and adult patients 2. Identify the role for non-pharmacological management strategies		
<hr/>		
Speakers: Elyanne Ratcliffe, McMaster University and Adriana Lazarescu, University of Alberta		
Please note that pre-registration is required to gain admittance to Breakfast with the Experts		
08h00-09h00	BREAKFAST WITH THE EXPERTS Anticoagulation/Novel Oral Anticoagulants (NOACS) and Reversal	Norquay
<hr/>		
Learning Objectives: At the end of this session participants will be able to: 1. Understand the bleeding and clotting risks associated with gastrointestinal procedures, and manage anticoagulation (antiplatelet agents as well as Direct Oral Anticoagulants (DOACs)) before and after procedures 2. Be aware of the role of antiplatelet agents and DOACs in patients with gastrointestinal bleeds, as well as treatment and reversal agents for these medications		
<hr/>		
Speakers: Melanie Stapleton, University of Calgary and Rachid Mohamed, University of Calgary		
Please note that pre-registration is required to gain admittance to Breakfast with the Experts		
08h00-09h00	BREAKFAST WITH THE EXPERTS Advances in Quality in Gastroenterology: Overcoming barriers to change	Ivor Petrak
<hr/>		
Learning Objectives: At the end of this session, participants will be able to: 1. Understand principles of quality improvement (QI) as they apply to clinical practice in gastroenterology 2. Explore technical and relational approaches to QI as a means to overcoming barriers to change 3. Recognize opportunities for QI in local clinical practice in gastroenterology 4. Identify at least one concrete step they might take to advance QI in their own practice		
<hr/>		
Speakers: Natasha Bollegala, University of Toronto and Katherine Stevenson, University of Saskatchewan		
Please note that pre-registration is required to gain admittance to Breakfast with the Experts		
08h00-09h00	BREAKFAST WITH THE EXPERTS Eosinophilic Esophagitis (EoE)	Conservatory
<hr/>		
Learning Objectives: At the end of this session, participants will be able to: 1. Discuss the new Appraisal of Guidelines for Research and Evaluation (AGREE) guideline for EoE 2. Assess threshold and goal for treatment of EoE 3. Compare different approaches of food elimination		
<hr/>		
Speakers: Vishal Avinashi, University of British Columbia and Hien Huynh, University of Alberta		
Please note that pre-registration is required to gain admittance to Breakfast with the Experts		

08h30-10h30

 †SYMPOSIUM:
Mucosal Immunology

Theatre

Learning Objectives:

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

1. Understand mechanism of UV-light that contribute to mucosal barrier defense and the stability of immunosuppressive T regulatory cells during intestinal inflammation
2. Understand how the group 3 innate lymphoid cell – GM-CSF – myeloid cell axis in human mucosal homeostasis may play a role in the use of anti-GM-CSF autoantibodies as serological biomarker prior to the onset of Crohn's Disease
3. Understand how tracking lymphatic cargo (chylomicrons) might lend insight into dysregulated lipid metabolism and transport and the etiology of creeping fat and lymphatic obstruction in Crohn's disease

Co-Chairs: Jörg Fritz, McGill University and Lisa Osborne, University of British Columbia

- Novel regulatory mechanisms of intestinal inflammation and tissue homeostasis
Jörg Fritz, McGill University
- Defining a "pre-diseased" state of Crohn's Disease
Arthur Mortha, University of Toronto
- Lymphatic remodeling and transport of dietary fats in Crohn's disease
Gwendalyn Randolph, Washington University

Sensing of a microbial metabolite by fibroblasts through the pregnane x receptor restrains inflammation and fibrosis in mice (**abstract 16**)K.L. Flannigan¹, K. Nieves¹, L. Alston¹, S. Mani², S.A. Hirota¹1. *University of Calgary, Calgary, AB, Canada*; 2. *Albert Einstein College of Medicine, Bronx, NY*The neuropeptide vip regulates intestinal immunity through modulating the activation and recruitment of group 3 innate lymphoid cells (**abstract 17**)H. Yu¹, H. Yang¹, C. Ma¹, Q. Liang², E.S. Bosman³, F.A. Graef⁴, G.S. Reid¹, J.A. Waschek⁷, L. Osborne⁵, B. Vallance⁶, K. Jacobson⁶1. *Paediatrics, Research Institute, BC Children's Hospital, Vancouver, BC, Canada*; 2. *Experimental Medicine, University of British Columbia, Vancouver, BC, Canada*; 3. *Experimental medicine, University of British Columbia, Vancouver, BC, Canada*; 4. *Medicine, UBC, Vancouver, BC, Canada*; 5. *University of British Columbia, Vancouver, BC, Canada*; 6. *BC Children's Hospital, Vancouver, BC, Canada*; 7. *The Semel Institute and Department of Psychiatry, Los Angeles, CA*

09h00-10h30

 SYMPOSIUM
Inflammatory Bowel Disease (IBD) Therapy

Van Horne A

Learning Objectives:

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

1. Identify the optimal biologic treatment choice in patients with moderate to severe IBD
2. Manage loss of response to biologic treatment in IBD patients
3. Reflect on both integrating information and identifying gaps in knowledge regarding current medical care of pediatric Crohn's disease

Co-Chairs: Waqqas Afif, McGill University and David Mack, University of Ottawa

- Therapy: Biologics and sequencing/optimal choice with certain patient profiles
John Marshall, McMaster University
- Challenging Cases: Second line biologic in a transition patient
Cynthia Seow, University of Calgary
- Pediatric Crohn's Clinical Practice Guidelines
Anne Griffiths, University of Toronto

SATURDAY MARCH 2nd

09h00-10h30	<p align="center">SYMPOSIUM Non-Alcoholic Fatty Liver Disease (NAFLD)</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Compare the role of various imaging modalities in determining the presence and severity of NAFLD 2. Evaluate the risk of non-cirrhotic Hepatocellular carcinomas (HCC) that occurs in the context of NAFLD 3. Synthesize the novel approaches currently under investigation for the treatment of NAFLD <hr/> <p>Co-Chairs: Marie Laryea, University of Rochester and Marialena Mouzaki, University of Cincinnati</p> <ul style="list-style-type: none"> • Assessing fibrosis fatty liver using non-invasive methods Alina Allen, Mayo Clinic • HCC in NAFLD with and without cirrhosis Marie Laryea, University of Rochester • New treatments being studied for NAFLD Najma Ahmed, McGill University 	<p align="center">Baron Shaughnessy/Sir Edward Beatty</p>
10h30-15h30	NETWORK HALL and e-LEARNING LOUNGE	Van Horne B/C
10h30-11h00	Nutrition Break (Network Hall)	Van Horne B/C
11h00-11h40	<p>SMALL GROUP SESSIONS (See details on pages 25-30)</p> <p>SEE™ (Skills Enhancement for Endoscopy™) EPIC (Endoscopic Polypectomy Improvement Course): EMR Room 2530</p> <p>SEE™: EPIC: Polypectomy case discussion Room 2522</p> <p>Physician Burnout Rob Ritchie</p> <p>Transition to Adult Care David O'Brien</p> <p>Implications: Communicating with your patients Alberta</p> <p>Applying High Resolution Manometry Norquay</p> <p>Approach to Inpatient Nutrition in IBD for the Gastroenterologist Ivor Petrak</p> <p>Pediatric Functional Management Disorders Oak</p> <p>Fecal Transplants New Brunswick</p> <p>IBD and Liver Disease Frontenac</p> <p>Approach to Liver Lesions Champlain</p> <p>CBD Simulator: How is this going to work? Conservatory</p> <p align="center">Please note that pre-registration is required to gain admittance to Small Group Sessions</p>	
11h40-11h50	Break	
11h50-12h30	<p>SMALL GROUP SESSIONS (See details on pages 25-30)</p> <p>SEE™: Using simulators in training Room 2530</p> <p>SEE™ EPIC: Polypectomy case discussion Room 2522</p> <p>Microbiome and its Effects on Therapies Ivor Petrak</p> <p>Electrosurgery Alberta</p> <p>Celiac Disease: Diagnosis and management Oak</p> <p>Barrett's Esophagus in 2019 Norquay</p> <p>Short Bowel Syndrome Rob Ritchie</p> <p>Therapeutic Endoscopic Ultrasound: Biliary drainage and beyond David O'Brien</p>	

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† Session includes oral presentations of key abstracts

SATURDAY MARCH 2nd

	Pediatric Liver Disease Cases How to Use Injury Mouse Models and Organoids to Study Gastrointestinal Stem Cell Biology? Evaluation of Liver Fibrosis When to Refer for Transplant	New Brunswick Conservatory Frontenac Champlain
	Please note that pre-registration is required to gain admittance to Small Group Sessions	
12h30-13h30	Lunch (Network Hall)	Van Horne B/C
13h30-15h00	SYMPOSIUM Clinical Implications of Altered Gut Motility	Van Horne A
Learning Objectives: At the end of this session participants will be able to: <ol style="list-style-type: none"> 1. Learn about the risk and benefits of cannabis use as it relates to gut motility disorders 2. Formulate a management plan to address the effects of chronic opiates on GI transit 3. Identify the roles of gastroenterologists in the care of patients with Parkinson's Disease Co-Chairs: Christopher Andrews, University of Calgary and William Paterson, Queen's University <ul style="list-style-type: none"> • Are my patient's GI symptoms related to cannabis use? Christopher Andrews, University of Calgary • Managing slow GI transit in patients on chronic opiates Adriana Lazarescu, University of Alberta • Parkinson's and the GI tract: an evolving role for the Gastroenterologist Louis Liu, University of Toronto 		
13h30-15h00	SYMPOSIUM Case-based Viral Hepatitis B and C	Baron Shaughnessy/Sir Edward Beatty
Learning Objectives: At the end of this session participants will be able to: <ol style="list-style-type: none"> 1. Recognize the large burden of HBV in Canada and Worldwide; identify that currently available therapies rarely cure HBV; and identify therapies in development that offer possible cure for HBV and their mechanisms of action 2. Recognize that highly effective, pangenotypic therapies exist that cure HCV in the vast majority of patients; recognize the WHO efforts to eradicate viral hepatitis by the year 2030; and identify local, provincial and national strategies to identify patients with HCV and how to link those patients to care 3. Describe the newer nomenclature that describes the natural of Hepatitis B infection; identify which patients with chronic HBV infection require therapy; and identify controversies in treating patients with chronic HBV, including those with low level viremia for whom therapy might be considered 		
Co-Chairs: Alex Aspinall, University of Calgary, and Michael Charlton, University of Chicago <ul style="list-style-type: none"> • Targets and new drugs for Hepatitis B Scott Fung, Toronto General Hospital Research Institute • Hepatitis C: Treatment challenges with current direct-acting antiviral (DAA) therapy and access to treatment/linkage to care Stephen Shafran, University of Alberta • HBV-related diseases in patients with low levels of HB viremia – should we expand treatment guidelines? Scott Fung, Toronto General Hospital Research Institute 		

* American College of Gastroenterology Fellow or Master
 † Session includes oral presentations of key abstracts

<p>13h30-15h00</p>	<p>WORKSHOP Career Development</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Discover the pros and cons of career transition to basic and/or clinical research 2. Discuss when and how to begin thinking of a career transition to research or industry 3. Learn how to plan a career outside of a major centre 4. Discuss the role of collaborating inside and outside your field to maximize academic success. <hr/> <p>Co-Chairs: Yasmin Nasser, University of Calgary and Maria Ines Pinto Sanchez, McMaster University</p> <ul style="list-style-type: none"> • So...you've gotten your Ph.D. and finished up a Postdoc or two...now what? Nathalie Perreault, Université de Sherbrooke • Ch-ch-ch-changes: You don't have to be burnt out to consider a career transition Daniel Leffler, Harvard University • The secret to my success...collaborations! Gilaad Kaplan, University of Calgary • Becoming an urban trained rural gastroenterologist Tara Chalmers-Nixon, University of Calgary 	<p>Theatre</p>
<p>15h00-15h30</p>	<p>Nutrition Break (Network Hall)</p>	<p>Van Horne B/C</p>
<p>15h30-17h00</p>	<p>SYMPOSIUM Guideline Review</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Understand how the Canadian Association of Gastroenterology uses the Grading of Recommendations Assessment, Development and Evaluation (GRADE) methodology in assessing the quality of evidence and determining the strength of recommendations for guidelines 2. Demonstrate knowledge of the updated evidence based management of IBS, Non-variceal Upper GI Bleeding and Colon Cancer Screening for High Risk Patients 3. Integrate the recommendations presented in these guideline reviews into their own practice <hr/> <p>Co-Chairs: Matthew Carroll, University of Alberta and Jennifer Telford*, University of British Columbia</p> <ul style="list-style-type: none"> • An introduction to GRADE Grigorios Leontiadis, McMaster University • Canadian IBS management guidelines 2019 Christopher Andrews, University of Calgary • Screening for Colorectal Cancer in Individuals With a Family History of Nonhereditary Colorectal Cancer or Adenoma: The Canadian Association of Gastroenterology Banff Consensus Guideline Jill Tinmouth, University of Toronto • A summary of upcoming international guidelines on non-variceal upper GI bleeding: what I need to know in 2019 Alan Barkun*, McGill University 	<p>Van Horne A</p>

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

SATURDAY MARCH 2nd

15h30-17h00	<p>CAG Quality Award Lectures</p> <p>CAG Young Scholar in Quality Innovation Award Lecture Improving Quality of Care in Inflammatory Bowel Disease Adam Weizman, University of Toronto</p> <p>CAG Excellence in Quality Innovation Award Lecture Infinite Loops and the Aggregation of Marginal Gains David Armstrong*, McMaster University</p>	<p>Baron Shaughnessy/Sir Edward Beatty</p>
15h30-17h00	<p>†SYMPOSIUM Nerve-Gut Interactions</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Understand how microbes communicate with the brain; understand the role of the microbiota-gut-brain axis in pain and mental health 2. Understand the cellular mechanisms of chronic visceral pain in IBD 3. Understand the role of microglial signaling to visceral afferent neurons <hr/> <p>Co-Chairs: Christophe Altier, University of Calgary and Premysl Bercik, McMaster University</p> <ul style="list-style-type: none"> • Microbiota-regulators of neurotransmission and pain Tor Savidge, Baylor College • Neuron-microglia interactions in colitis-induced pain Christophe Altier, University of Calgary • Microbiota-gut-brain axis:from gut function to behaviour Premysl Bercik, McMaster University <p>Stress triggers loss of tolerance to food antigen causing histamine mediated neuron hyperexcitability in a pre-clinical model of IBS. (abstract 18) <u>C.D. Lopez Lopez</u>¹, J.O. Jaramillo Polanco¹, Y. Yu¹, S. Vanner¹, C. Berin², D.E. Reed¹ 1. <i>Gastrointestinal Diseases Research Unit, Queen's University, Kingston, ON, Canada</i>; 2. <i>Icahn School of Medicine at Mount Sinai, New York, NY</i></p>	<p>Theatre</p>
17h00-17h30	<p>MCKENNA RECEPTION</p>	<p>Van Horne A Foyer</p>
17h30-18h30	<p>R.D. MCKENNA MEMORIAL LECTURE Pediatric IBD: Progress and challenges Anne Griffiths, University of Toronto</p> <p>Immediately preceding the McKenna Lecture we will recognize our Distinguished Service awardee and present the Canadian Association of Gastroenterology Fellows (CAGF) inducted for 2019. CAGF is an esteemed honour for CAG members who have demonstrated long-term commitment to the Association and to furthering the goals of advancing gastroenterology practice and GI research in Canada. Following the lecture all awardees will be invited to stand in recognition.</p>	<p>Van Horne A</p>
18h30-20h00	<p>POSTER SESSION 1</p> <p>Join authors and colleagues in relaxed and informative discussions while enjoying beverages and lights snacks.</p>	<p>Alhambra</p>
20h00-23h00	<p>CDDW™ Social</p> <p>Join us for great food, live entertainment and networking in a spectacular setting! See you there! Tickets at \$100 CAD, plus tax can be purchased from the registration desk.</p>	<p>Riverview Lounge</p>

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<p>08h00-09h00</p>	<p>BREAKFAST WITH THE EXPERTS IBD in the Morning: Sex, Drugs, and Rock 'n Roll</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to: 1. Recognise the importance of sexual health in individuals with IBD 2. Identify the main categories of sexual dysfunction and in doing so, recognize treatment and referral options 3. Describe the effects of cannabinoids on the gastrointestinal tract</p> <hr/> <p>Speakers: John Marshall, McMaster University and Cynthia Seow, University of Calgary</p> <p>Please note that pre-registration is required to gain admittance to Breakfast with the Experts</p>	<p>Oak</p>
<p>08h00-09h00</p>	<p>BREAKFAST WITH THE EXPERTS Proton Pump Inhibitor (PPI) Use</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to: 1. Identify the adverse events that have been associated with long-term PPI therapy, and which ones are of the greatest clinical concern 2. Develop an approach to identifying PPI users who lack an indication for ongoing chronic PPI therapy 3. Institute a de-prescribing strategy for PPI users who lack an indication for ongoing therapy</p> <p>Speakers: Laura Targownik, University of Manitoba and Sander Veldhuyzen van Zanten*, University of Alberta</p> <p>Please note that pre-registration is required to gain admittance to Breakfast with the Experts</p>	<p>Norquay</p>
<p>08h00-09h00</p>	<p>BREAKFAST WITH THE EXPERTS Skin Manifestations of Gastrointestinal Diseases</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to: 1. Recognize and differentiate the presenting signs and symptoms of psoriasis and PsA 2. Describe the relationship between psoriasis and PsA; and psoriasis and IBD 3. List and have an approach to cutaneous complications in IBD 4. Identify when a patient requires referral to a dermatologist for co-management</p> <hr/> <p>Speakers: Nauzer Forbes, University of Calgary and Jan Dutz, University of British Columbia</p> <p>Please note that pre-registration is required to gain admittance to Breakfast with the Experts</p>	<p>Ivor Petrak</p>
<p>08h00-09h00</p>	<p>BREAKFAST WITH THE EXPERTS NAFLD in the Community</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to: 1. Evaluate the risk of NAFLD in the general GI patient 2. Recognize and assess the comorbidities of patients with NAFLD</p> <hr/> <p>Speakers: Marie Laryea, University of Rochester and Marialena Mouzaki, University of Cincinnati</p> <p>Please note that pre-registration is required to gain admittance to Breakfast with the Experts</p>	<p>Conservatory</p>

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

08h30-10h30

†SYMPOSIUM:
New Insights in Epithelial Cell Signaling

Theatre

Learning Objectives:

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

1. Explain the role of tuft cells in the control of epithelial barrier function and immune signaling in the GI tract
2. Describe the factors controlling secretory cell differentiation and maintaining host-microbiota homeostasis
3. Understand the importance of GLP-1 / GLP-2 diet, and circadian clocks in the control of homeostasis

Co-Chairs: Jean-Eric Ghia, University of Manitoba and Keith Sharkey, University of Calgary

- Tuft cells, taste-chemosensory cells that orchestrate type 2 immunity in the gut
Michael Howitt, Stanford University
- Factors controlling secretory cell differentiation and maintaining host-microbiota homeostasis in the intestinal epithelium
Nathalie Rivard, Université de Sherbrooke
- Enteroendocrine cells, diet, circadian clocks, and the maintenance of homeostasis
Patricia Brubaker, University of Toronto

Role of Igr5 in dclk1 positive cell-derived colitis-associated colon cancer (**abstract 19**)

A.E. Shin¹, H. Good¹, L. Zhang¹, E.N. Fazio¹, P.M. Sherman², T.C. Wang³, S. Asfaha¹

1. Department of Medicine, Department of Pathology and Laboratory Medicine, Schulich School of Medicine & Dentistry, Western University; London Regional Cancer Program, Lawson Health Research Institute, London, ON, Canada; 2. Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto; Division of Gastroenterology, Hepatology and Nutrition, Hospital for Sick Children, Toronto, ON, Canada; 3. Division of Digestive and Liver Diseases, Department of Medicine, Columbia University Medical Center, New York, NY

Novel regulation of a par2-mediated cellular migration program by pro-inflammatory cytokines (**abstract 20**)

A.J. Vegso, W. MacNaughton

Physiology and Pharmacology, University of Calgary, Calgary, AB, Canada

09h00-10h30

JOINT CAG/NASPGHAN SYMPOSIUM
Evidence Based Therapies in IBS

Van Horne A

Learning Objectives:

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

1. Understand a rational approach to defining what foods or food components might be involved in symptom genesis in irritable bowel syndrome
2. Review the evidence for non-dietary interventions targeting the microbiota in irritable bowel syndrome
3. Review modifications of the Rome IV criteria in the diagnosis of IBS, review relevant evidence for medical and complementary treatments in IBS, and discuss current paradigm of care and future directions

Co-Chairs: Alejandro Flores, Harvard University and Yasmin Nasser, University of Calgary

- Dietary Treatment in IBS
Peter Gibson, Monash University
- Microbiome in IBS
Humberto Jijon, University of Calgary
- Evidence Based Therapies in Pediatric IBS: an update
Miguel Saps, University of Miami

09h00-10h30	<p>SYMPOSIUM Autoimmune Hepatobiliary Disease</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Appreciate the complex nature of primary biliary cholangitis (PBC) with genetic, environmental, sex specific and even racial influences 2. Understand the pathophysiology and interaction of the autoimmune and environmental influences on the development of PBC 3. Evaluate the current licensed therapies and ongoing investigations of novel treatments for PBC and primary sclerosing cholangitis (PSC) <p>Co-Chairs: Gideon Hirschfield, University of Toronto and Andrew Mason, University of Alberta</p> <ul style="list-style-type: none"> • Debate: Is PBC an autoimmune disease? Gideon Hirschfield, University of Toronto Andrew Mason, University of Alberta • Update on novel therapies for PBC and PSC Aliya Gulamhusein, University of Toronto 	Baron Shaughnessy/Sir Edward Beatty
10h30-15h30	NETWORK HALL and e-LEARNING LOUNGE	Van Horne B/C
10h30-11h00	Nutrition Break (Network Hall)	Van Horne B/C
11h00-11h40	<p>SMALL GROUP SESSIONS (See details on pages 25-30)</p> <ul style="list-style-type: none"> Providing impactful feedback to trainees SEE™ EPIC: Polyp diagnosis Improving Bowel Preparation in your Unit At Risk Communities Approach to Non-IBD Diarrhea Update on Technology Cases Using IBD Endoscopy Scores Pediatric IBD Food Intolerance Transjugular Intrahepatic Portosystemic Shunt (TIPS) Autoimmune Liver Disease <p>Please note that pre-registration is required to gain admittance to Small Group Sessions</p>	<p>Room 2530 Room 2522 Rob Ritchie David O'Brien Oak Norquay Ivor Petrak Alberta New Brunswick Frontenac Champlain</p>
11h40-11h50	Break	
11h50-12h30	<p>SMALL GROUP SESSIONS (See details on pages 25-30)</p> <ul style="list-style-type: none"> SEE™ EPIC: Pedunculated polyps SEE EPIC: Snare choice Women in Gastroenterology: Let's talk about physician wellness! Endoscopic Ultrasound (EUS) Tissue Acquisition Approach to Indeterminate Biliary Strictures Anorectal Disease Advances in Pancreatic Cancer Refractory <i>C.difficile</i> Pediatric Nutrition Drug-induced Liver Disease Management of Portal Hypertension <p>Please note that pre-registration is required to gain admittance to Small Group Sessions</p>	<p>Room 2530 Room 2522 New Brunswick David O'Brien Oak Norquay Ivor Petrak Alberta Rob Ritchie Frontenac Champlain</p>

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

SUNDAY MARCH 3rd

12h30-13h30	Lunch (Network Hall)	Van Horne B/C
13h30-15h00	<p>SYMPOSIUM Gastroenterologist for Life</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Facilitate practice improvement by breaking down barriers to change 2. Recognize the psychological and physical hazards of being a physician <hr/> <p>Co-Chairs: Charles Ménard, Université de Sherbrooke and Jocelyn Lockyer, University of Calgary</p> <ul style="list-style-type: none"> • Medicine, an extreme sport – why physician wellness matters Jane Lemaire, University of Calgary • Adopting change in the perspective of an evolving profession Jocelyn Lockyer, University of Calgary 	Van Horne A
13h30-15h00	<p>SYMPOSIUM Managing Complications of End-Stage Liver Disease</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Develop an approach to the pulmonary complications of end-stage liver disease 2. Recognize the implication of frailty in patients with end-stage liver disease <hr/> <p>Co-Chairs: Orlee Guttman, University British Columbia and Nazia Selzner, University of Toronto</p> <ul style="list-style-type: none"> • Sarcopenia and Liver cirrhosis. How to manage? Aldo Montano-Loza, University of Alberta • Hepatopulmonary Syndrome and End-Stage Liver Disease Samir Gupta, University of Toronto • Role of Transplant in the Management of End-Stage Liver Disease: What has changed? Leslie Lilly, University of Toronto 	Baron Shaughnessy/Sir Edward Beatty
13h30-15h00	<p>CAG RESEARCH AWARD LECTURES</p> <p>CAG YOUNG INVESTIGATOR AWARD LECTURE Enteroendocrine and neuronal regulations of colonic inflammation: A transatlantic and Canadian journey. Jean-Eric Ghia, University of Manitoba</p> <p>CAG RESEARCH EXCELLENCE AWARD LECTURE Harnessing the Microbiome: Strategies and Challenges Karen Madsen, University of Alberta</p>	Theatre
15h00-15h30	Nutrition Break (Network Hall)	Van Horne B/C
15h30-17h00	<p>SYMPOSIUM Understanding IBD Pathogenesis</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Understand the pathogenesis of IBD through lessons from the Genetic, Environmental, Microbial (GEM) study 2. Understand mechanisms underlying the microbiome's role in IBD 3. Understand the environmental risks associated with IBD 	Baron Shaughnessy/Sir Edward Beatty

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

SUNDAY MARCH 3rd

	<p>Co-Chairs: Kenneth Croitoru, University of Toronto and Deanna Gibson, University of British Columbia</p> <ul style="list-style-type: none"> • GEM Project Kenneth Croitoru, University of Toronto • Bacterial proteolytic imbalance in IBD Elena Verdu, McMaster University • Environmental Risk in IBD Richard Gearry, University of Otago, Christchurch 	
15h30-17h00	<p>†SYMPOSIUM: Endoscopy Video Cases</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Be aware of the Intrapapillary capillary loops and their relationship to squamous dysplasia in the esophagus 2. Be aware of the VS classification and its use in Barrett's and early gastric cancer 3. List two newer techniques/modalities for hemostasis 4. Know the indications for cold snaring in the colon and the fundamentals of the technique <hr/> <p>Co-Chairs: Robert Bechara, Queen's University; Dana Farina, Dalhousie University; and Lawrence Hookey, Queen's University</p>	Van Horne A
15h30-17h00	<p>†SYMPOSIUM: Enteric Infections</p> <hr/> <p>Learning Objectives: At the end of this session participants will be able to:</p> <ol style="list-style-type: none"> 1. Describe the emerging evidence for a role for intestinal inflammation in the development of Parkinson's Disease 2. Delineate how microbial sensing in the intestine controls tumorigenesis 3. Recognize syndromes of infectious and non-infectious diarrhea; and approaches on when to investigate and whom to treat <hr/> <p>Co-Chairs: Samantha Gruenheid, McGill University and Laura Sly, University of British Columbia</p> <ul style="list-style-type: none"> • Guidelines for diagnosis and treatment of infectious diarrhea Theodore Steiner, University of British Columbia • A new model to study the role of intestinal inflammation in the development of Parkinson's Disease Samantha Gruenheid, McGill University • The role of Nod-like receptors (NLRs) in the control of colorectal cancer Stephen Girardin, University of Toronto <p>Antibiotics suppress intestinal antiviral responses in a microbiota-independent manner (abstract 21) <u>A.J. Sharon</u>¹, L. Osborne² 1. <i>Microbiology and Immunology, University of British Columbia, Vancouver, BC, Canada</i>; 2. <i>University of British Columbia, Vancouver, BC, Canada</i></p>	Theatre
17h00-18h30	<p>2019 CDDW™ Awards Reception</p> <p>By invitation only</p>	Conservatory
18h30-19h30	<p>POSTER SESSION 2</p> <p>Join authors and colleagues in relaxed and informative discussions while enjoying beverages and lights snacks. Please be sure to see the Posters of Distinction (A22-A59).</p>	Alhambra

* American College of Gastroenterology Fellow or Master

† Session includes oral presentations of key abstracts

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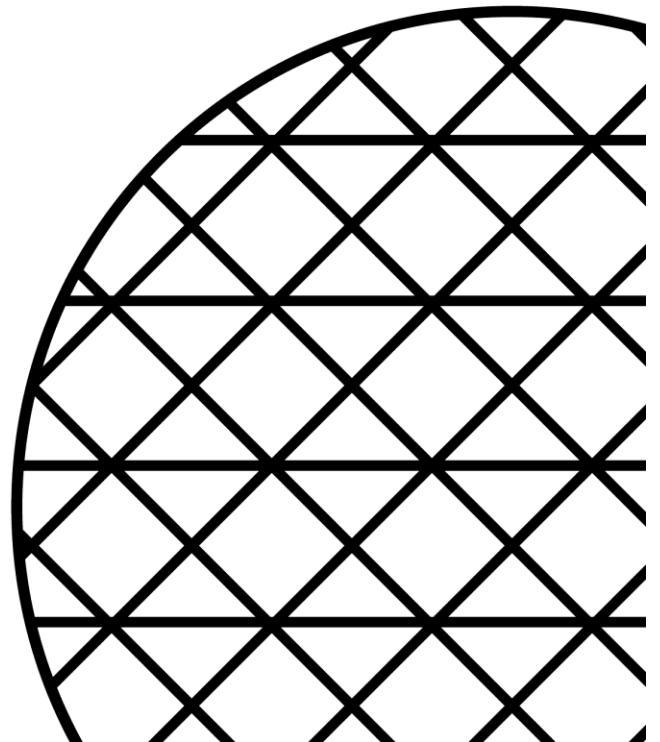
1. Management of Benign and Malignant Strictures
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5. Radial and Linear EUS
6. Pancreaticobiliary EUS
7. Diagnosis and Treatment of Early Gastric Cancer
8. Training for Endosonography
9. Endoscopic Clipping Techniques
10. Diagnosis of Flat and Depressed Colorectal Neoplasms
11. Endoscopic Management of Periampullary Adenomas
12. Bariatric Surgery – An Instructional Program for GI Endoscopists
13. Endoscopic Removal of Foreign Bodies in Upper Gastrointestinal Tract
14. Endoscopic Techniques for Enteral Access
15. Endoscopic Submucosal Dissection for Gastric Superficial Tumors
16. Double-Balloon Endoscopy for Diagnosis and Treatment of Small Intestinal Diseases
17. 2006 ASGE Video Forum
18. Endoscopic Approach to Hemorrhoids
19. Esophageal Capsule Endoscopy for the Diagnosis of Esophageal Diseases
20. Colonoscopy Technique: Basic and Advanced
21. Colonoscopic Polypectomy
22. EUS In Hand
23. Endoscopic Interpretation and Therapy of Severe Lower GI Bleeding
24. Endoscopic Removal of Submucosal Tumors
25. Small Bowel Imaging
26. Biliary Access Techniques for ERCP: From Basic to Advanced
27. The Bariatric Patient: Endoscopic Diagnosis and Management
28. Small Bowel Imaging
29. Endoscopic Tissue Sampling of UGI Tract: Forceps to Optical
30. Endoscopic Submucosal Dissection of Colon Lateral Spreading Tumor
31. Diagnostic and Therapeutic Endoscopy in Patients after Ileal Pouch Surgery
32. Polyposis Syndrome/Genetic GI: Endoscopic Diagnosis and Management
33. The Role of Endoscopic Ultrasound in Evaluation of Lung Cancer
34. Evaluation of the Anorectum: Physical and Endoscopic Examinations
35. Taking Care of Your: Ergonomic Essentials for Your Practice
36. Endoscopic Management of Necrotizing Pancreatitis and Pseudocysts

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FORWARD
TO SEEING YOU
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Small Group Sessions

Small group sessions (limit of up to 35 attendees) are 40-minute interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. For room allocations see pages 25-30. **Pre-registration required.**

Saturday 2nd
11h00 11h50

SATURDAY

- SEE™ EPIC: EMR-----◆
- SEE™ EPIC: Polypectomy case discussion-----◆
- Physician Burnout-----◆
- Transition to Adult Care-----◆
- Implications: Communicating with your patients-----◆
- Applying High Resolution Manometry-----◆
- Approach to Inpatient Nutrition in IBD for the Gastroenterologist-----◆
- Pediatric Functional Management Disorders-----◆
- Fecal Transplants-----◆
- IBD in Liver Disease-----◆
- Approach to Liver Lesions-----◆
- CBD Simulator: How is this going to work?-----◆
- SEE™: Using simulators in training-----◆
- SEE™ EPIC: Polypectomy case discussion-----◆
- Microbiome and its Effects on Therapies-----◆
- Electrosurgery-----◆
- Celiac Disease: Diagnosis and management-----◆
- Barrett's Esophagus in 2019-----◆
- Short Bowel Syndrome-----◆
- Therapeutic Endoscopic Ultrasound: Biliary drainage and beyond-----◆
- Pediatric Liver Disease Cases-----◆
- How to Use Injury Mouse Models and Organoids to Study Gastrointestinal Stem Cell Biology?-----◆
- Evaluation of Liver Fibrosis-----◆
- When to Refer for Transplant-----◆

Sunday 3rd
11h00 11h50

SUNDAY

- Providing impactful feedback to trainees-----◆
- SEE™ EPIC: Polyp diagnosis-----◆
- Improving Bowel Preparation in your Unit-----◆
- At Risk Communities-----◆
- Approach to Non-IBD Diarrhea-----◆
- Update on Technology-----◆
- Cases Using IBD Endoscopy Scores-----◆
- Pediatric IBD-----◆
- Food Intolerance-----◆
- Transjugular Intrahepatic Portosystemic Shunt (TIPS)-----◆
- Autoimmune Liver Disease-----◆
- SEE™ EPIC: Pedunculated polyps-----◆
- SEE™ EPIC: Snare choice-----◆
- Women in Gastroenterology: Let's talk about physician wellness!-----◆
- Endoscopic Ultrasound (EUS) Tissue Acquisition-----◆
- Approach to Indeterminate Biliary Strictures-----◆
- Anorectal Disease-----◆
- Advances in Pancreatic Cancer-----◆
- Refractory *C. difficile*-----◆
- Pediatric Nutrition-----◆
- Drug-induced Liver Disease-----◆
- Management of Portal Hypertension-----◆

SATURDAY MARCH 2nd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **SEE™ EPIC: EMR** **Saturday, March 2nd, 11h00 (Room 2530)**
Learning Objectives: 1. Best patients for EMR; 2. Key factors to consider prior to doing EMR; 3. Know options for lift/injection and snares
Speakers: Alaa Rostom, University of Ottawa and Robert Enns, University of British Columbia

- **SEE™ EPIC: Polypectomy case discussion** **Saturday, March 2nd, 11h00 (Room 2522)**
Learning Objectives: 1. To review importance of assessment pre-polypectomy; 2. To understand when and how to apply various techniques of polypectomy; 3. To be familiar with updated mucosal lift techniques including tattoo
Speakers: Donald MacIntosh, Dalhousie University and Frances Tse, McMaster University

- **Physician Burnout** **Saturday March 2nd, 11h00 (Rob Ritchie)**
Learning Objectives: 1. Recognize the many signs and symptoms of physician burnout; 2. Describe the importance of a culture of wellness in their place of work in fostering improved physician performance and decreased burnout; 3. Identify strategies to improve physician wellness and be able to explore relevant resources
Speakers: Jennifer Williams, University of Calgary and Elyanne Ratcliffe, McMaster University

- **Transition to Adult Care** **Saturday March 2nd, 11h00 (David O'Brien)**
Learning Objectives: 1. State an evidence-based approach to the transition of care for pediatric onset chronic disease in gastroenterology; 2. Implement clinically useful tools during clinic visits to help providers manage patients undergoing transition to adult care; 3. State at least 3 time-efficient changes that could be made in an Adult Gastroenterology practice that would improve the standard of care for pediatric to adult transition in Canada
Speakers: Natasha Bollegala, University of Toronto and Herbert Brill, McMaster University

- **Implications: Communicating with your patients** **Saturday, March 2nd, 11h00 (Alberta)**
Learning Objectives: 1. Understand how optimal communication with patients can improve quality of care and reduce medico-legal risk; 2. Learn verbal and non-verbal communication techniques to improve interactions with patients; 3. Apply these techniques in communicating with patients to reduce the health risks faced by patients, and the medico-legal risk faced by physicians
Speakers: Eric Benchimol, University of Ottawa and Tom Lloyd, SAEGIS, a member of the CMPA family

- **Applying High Resolution Manometry** **Saturday, March 2nd, 11h00 (Norquay)**
Learning Objectives: 1. Identify the role of high resolution esophageal manometry study in your clinical practice; 2. Utilize Chicago Classification when interpreting esophageal manometry study; 3. Apply esophageal manometry study in managing patients with dysphagia and other esophageal symptoms
Speakers: Keith McIntosh, Western University and Yvonne Tse, University of Toronto

- **Approach to Inpatient Nutrition in IBD for the Gastroenterologist** **Saturday, March 2nd, 11h00 (Ivor Petrak)**
Learning Objectives: 1. Describe prevalence of malnutrition in hospitalized IBD patients; 2. Describe strategies to detect nutrition risk; 3. Discuss therapeutic options for Nutrition therapy – short term and long term; 4. Review the role of Peripheral Parenteral Nutrition
Speakers: Leah Gramlich, University of Alberta and Maitreyi Raman, University of Calgary

- **Pediatric Functional Management Disorders** **Saturday, March 2nd, 11h00 (Oak)**
Learning Objectives: 1. Come away with an understanding of functional gastrointestinal disorders in pediatrics using the Biopsychosocial model; 2. Updating available treatment modalities to help manage these disorders; 3. Gaining an awareness of psychological contributors to functional abdominal pain conditions and practical strategies for assessing psychological contributors
Speakers: Danielle Ruskin, University of Toronto and Peggy Marcon, University of Toronto

- **Fecal Transplants** **Saturday, March 2nd, 11h00 (New Brunswick)**
Learning Objective: 1. To be familiar with existing and potential indications for fecal transplantation, different methods, and availability
Speaker: Theodore Steiner, University of British Columbia

SATURDAY MARCH 2nd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **IBD in Liver Disease** **Saturday, March 2nd, 11h00 (Frontenac)**
Learning Objectives: 1. Evaluate abnormal liver tests in IBD patients; 2. Describe the unique aspects of PSC-associated IBD; 3. Recognize the cancer risk in patients with liver disease and associated IBD
Speakers: Gideon Hirschfield, University of Toronto and Hillary Steinhart, University of Toronto
- **Approach to Liver Lesions** **Saturday, March 2nd, 11h00 (Champlain)**
Learning Objective: 1. To understand new approaches to liver lesions
Speakers: Michael Charlton, University of Chicago and Anirudh Mirakhur, University of Calgary
- **CBD Simulator: How is this going to work?** **Saturday, March 2nd, 11h00 (Conservatory)**
Learning Objectives: 1. Explain the components of competency based medical education and competence by design; 2. Recognize how work based assessments (WBA) will be used as an evaluation tool in Gastroenterology training; 3. Assess actual examples of GI competencies and examine scenarios in which assessments occur
Speakers: Eric Greenwald, McMaster and Steven Gruchy, Dalhousie University
- **SEE™: Using Simulators in Training** **Saturday, March 2nd, 11h50 (Room 2530)**
Learning Objectives: 1. To select simulators for endoscopy training; 2. To apply practical tips for use of simulators in endoscopic teaching
Speakers: Robert Berger, Dalhousie University and Samir Grover, University of Toronto
- **SEE™ EPIC: Polypectomy case discussion** **Saturday, March 2nd, 11h50 (Room 2522)**
Learning Objectives: 1. To review importance of assessment pre-polypectomy; 2. To understand when and how to apply various techniques of polypectomy; 3. To be familiar with updated mucosal lift techniques including tattoo.
Speakers: Donald MacIntosh, Dalhousie University and Richard Sultanian, University of Alberta
- **Microbiome and its Effects on Therapies** **Saturday, March 2nd, 11h50 (Ivor Petrak)**
Learning Objectives: 1. Understand how commensal microbiota could influence efficacy and toxicity of various therapies; 2. Identify specific drug-microbiome interactions related to gastrointestinal disease; 3. Appreciate potential of manipulating the microbiome to enhance therapeutic efficacy
Speakers: Karen Madsen, University of Alberta and Humberto Jijon, University of Calgary
- **Electrosurgery** **Saturday, March 2nd, 11h50 (Alberta)**
Learning Objectives: 1. Understand the basic principles of electrocoagulation during endoscopic procedures; 2. Optimize electrosurgical unit settings to optimize outcomes during endoscopic hemostasis; 3. Optimize electrosurgical unit settings for different locations of the GI tract; 4. Learn to adjust electrosurgical unit settings during snare polypectomy, including use of SoftCoag for snare tip fulguration, hot biopsy forceps, and hemostatic forceps, in the context of endoscopic mucosal resection.
Speakers: Michael Sey, Western University and Brian Yan, Western University
- **Celiac Disease: Diagnosis and management** **Saturday, March 2nd, 11h50 (Oak)**
Learning Objectives: 1. Identify the most appropriate tests for screening and diagnosis of celiac disease; 2. Review best practices for management and monitoring of celiac disease; 3. Learn how to approach and manage patients with non-responsive celiac disease
Speakers: Maria Ines Pinto Sanchez, McMaster University and Catharine Walsh, University of Toronto
- **Barrett's Esophagus in 2019** **Saturday, March 2nd, 11h50 (Norquay)**
Learning Objectives: 1. Demonstrate knowledge of the requirements for pathological diagnosis of Barrett's esophagus; 2. Explain the underlying issues in the difficulties in diagnosing dysplasia in Barrett's esophagus; 3. Integrate pathologic, endoscopic and clinical information for optimizing endoscopic surveillance and treatment guidelines for dysplastic Barrett's esophagus
Speakers: Clarence Wong, University of Alberta and Catherine Streutker, University of Toronto

SATURDAY MARCH 2nd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **Short Bowel Syndrome** **Saturday, March 2nd, 11h50 (Rob Ritchie)**
Learning Objectives: 1. Explain the definition and causes of short bowel syndrome in children; 2. Recognize the strategies for better management of short bowel syndrome; 3. Describe the short and long term complications of children with short bowel syndrome
Speakers: Jessie Hulst, University of Toronto and Ana Sant'Anna McGill University

- **Therapeutic Endoscopic Ultrasound: Biliary drainage and beyond** **Saturday, March 2nd, 11h50 (David O'Brien)**
Learning Objectives: 1. Understand how to Integrate therapeutic EUS in the management malignant and benign biliary diseases; 2. Select the optimal accessories for successful EUS interventions; 3. Describe the efficacy of therapeutic EUS when compared to ERCP or percutaneous drainage; 4. Recognize and manage potential complication of therapeutic EUS
Speakers: Yen-I Chen, McGill University and Etienne Desilets, Université de Sherbrooke

- **Pediatric Liver Disease Cases** **Saturday, March 2nd, 11h50 (New Brunswick)**
Learning Objectives: 1. Describe the evidence and proposed mechanism for vancomycin use in primary sclerosing cholangitis (PSC); 2. Explain the role and challenges of colon cancer screening in pediatric patients with PSC and IBD; 3. Recognize the importance of confirming the response to vaccination in preventing mother-to-child transmission of HBV; 4. Describe potential strategies to improve the response in non-responders to HBV vaccine.
Speakers: Steven Martin, University of Calgary and Orlee Guttman, University of British Columbia

- **How to Use Injury Mouse Models and Organoids to Study Gastrointestinal Stem Cell Biology?** **Saturday, March 2nd, 11h50 (Conservatory)**
Learning Objectives: 1. Understand the main experimental approaches to investigate the functional characteristics of somatic stem cells; 2. Recognize the advantages of injury mouse models to study tissue regeneration; 3. Appreciate the use of organoids to characterize self-renewal, multipotency and regenerative capacities of stem cells.
Speaker: Véronique Giroux, Université de Sherbrooke

- **Evaluation of Liver Fibrosis** **Saturday, March 2nd, 11h50 (Frontenac)**
Learning Objectives: 1. Explain why it is important to define and measure liver fibrosis; 2. Describe the non-invasive clinical tools they can use to measure liver fibrosis eg biomarkers, fibroscan; 3. Recognize the limitations of non-invasive diagnosis vs liver biopsy; 4. Describe whether liver steatosis can be accurately measured non-invasively - eg US, CAP with FS; 5. Describe how differences in fibrosis measurement affects patient management
Speakers: Joel Emery, University of British Columbia and Naoki Chiba, McMaster University

- **When to Refer for Transplant** **Saturday, March 2nd, 11h50 (Champlain)**
Learning Objectives: 1. To review indications and contraindications for liver transplantation; 2. To discuss when is the optimal time to refer a patient for liver transplantation; 3. Explore when the risk for liver transplantation outweighs the benefit
Speakers: Aldo Montano-Loza, University of Alberta and Nazia Selzner, University of Toronto

SUNDAY MARCH 3rd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **Providing impactful feedback to trainees** **Sunday, March 3rd, 11h00 (Room 2530)**
Learning Objectives: 1. Understand the elements of feedback and coaching that engender learner growth; 2. Avoid the common pitfalls in facilitating learner improvement, and how to overcome them; 3. Implement strategies which are most likely to elicit change in learners
Speaker: Eric Greenwald, McMaster University

- **SEE™ EPIC: Polyp diagnosis** **Sunday, March 3rd, 11h00 (Room 2522)**
Learning Objectives: 1. Discuss the importance of polyp assessment prior to initiating a polypectomy; 2. Review the classification of polyp morphology including the Paris classification; 3. Be aware of pit pattern assessment of polyps
Speakers: Dana Farina, Dalhousie University and Robert Berger, Dalhousie University

- **Improving Bowel Preparation in your Unit** **Sunday, March 3rd, 11h00 (Rob Ritchie)**
Learning Objectives: 1. Debate the advantages of split dose bowel preparation compared to day before preparation; 2. Describe two different diet strategies for colonoscopy preparation and the barriers to implementing these; 3. Outline three possible approaches to a “failed” preparation
Speakers: Alan Barkun*, McGill University and Lawrence Hookey, Queen's University

- **At Risk Communities: Community based *Helicobacter* studies in the Canadian North** **Sunday, March 3rd, 11h00 (David O'Brien)**
Learning Objective: 1. Understand the importance of the *H. pylori* project in Northwest Territories and Yukon in first Nations communities
Speaker: Sander Veldhuyzen van Zanten*, University of Alberta

- **Approach to Non-IBD Diarrhea** **Sunday, March 3rd, 11h00 (Oak)**
Learning Objectives: 1. Take a relevant history and physical examination that would help decide which investigation is required in a stepwise organized fashion; 2. Determine the usefulness of certain tests depending on the scenario; 3. Determine which treatment may benefit the patient according to the scenario
Speakers: Yaron Avitzur, University of Toronto and Johane Allard, University of Toronto

- **Update on Technology** **Sunday, March 3rd, 11h00 (Norquay)**
Learning Objectives: 1. Be aware of the details that make up the optics of an endoscope; 2. Be familiar with the optical filters in the current endoscope platforms; 3. Know the utility of the each of the available optical filters; 4. Be aware of the similarities and differences between endoscope platforms
Speaker: Robert Bechara, Queen's University

- **Cases Using IBD Endoscopy Scores** **Sunday, March 3rd, 11h00 (Ivor Petrak)**
Learning Objectives: 1. Outline an approach to quality colonoscopy reporting for patients with IBD; 2. Review the Mayo score for ulcerative colitis and the simple endoscopic score for Crohn's disease; 3. Apply the Mayo score and SES-CD to some sample endoscopy cases
Speakers: Shane Devlin, University of Calgary and Jennifer Jones, Dalhousie University

- **Pediatric IBD** **Sunday, March 3rd, 11h00 (Alberta)**
Learning Objectives: 1. Identify evidence for and limitations of therapeutic drug monitoring with biologics; 2. Recommend appropriate situations for performance of therapeutic drug monitoring of biologics in pediatric IBD; 3. Plan induction and maintenance anti-TNF regimens for the spectrum of children with IBD; 4. Adjust regimens of anti-TNF therapies based on results from therapeutic drug monitoring in children
Speakers: Jennifer deBruyn, University of Calgary and Anne Griffiths, University of Toronto

- **Food Intolerance** **Sunday, March 3rd, 11h00 (New Brunswick)**
Learning Objectives: 1. To discuss mechanisms by which enteric viral infections can co-opt mechanisms of oral tolerance, with a focus on food sensitivity; 2. To learn about clinical presentations and future therapies
Speakers: Maria Ines Pinto Sanchez, McMaster University and Lisa Osborne, University of British Columbia

- **Transjugular Intrahepatic Portosystemic Shunt (TIPS)** **Sunday, March 3rd, 11h00 (Frontenac)**
Learning Objectives: 1. Role of TIPS in liver cirrhosis; 2. Should TIPS be considered for patients who need a liver transplantation?
Speakers: Juan Gonzalez-Abraldes, University of Alberta, and Nazia Selzner, University of Toronto

SUNDAY MARCH 3rd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **Autoimmune Liver Disease** **Sunday, March 3rd, 11h00 (Champlain)**
Learning Objectives: 1. Appreciate the complex nature of autoimmune liver diseases with genetic, environmental, sex specific and even racial influences; 2. Understand the pathophysiology and interaction of the autoimmune and environmental influences on the development of disease; 3. Evaluate the current licensed therapies and ongoing investigations of novel treatments for autoimmune liver disorders
Speakers: Andrew Mason, University of Alberta and Marie Laryea, University of Rochester

- **SEE™ EPIC: Pedunculated polyps** **Sunday, March 3rd, 11h50 (Room 2530)**
Learning Objectives: 1. Appreciate the importance of appropriate patient positioning for the safe removal of a pedunculated colon polyp; 2. Understand the importance of lesion assessment before removal of a pedunculated colon polyp; 3. Be aware of the strategies available to minimize the risk of complications after removal of a pedunculated colon polyp
Speakers: David Armstrong, McMaster University and Jennifer Telford, University of British Columbia

- **SEE™ EPIC: Snare choice** **Sunday, March 3rd, 11h50 (Room 2522)**
Learning Objectives: 1. Describe the different characteristics of available snares; 2. Choose snare according to the characteristics of the polyp; 3. Manage difficulties during snare resection
Speakers: Charles Ménard, Université de Sherbrooke and Jonathan Love, Waterloo Wellington Region

- **Women in Gastroenterology: Let's talk about physician wellness!** **Sunday, March 3rd, 11h50 (New Brunswick)**
Learning Objectives: 1. Understand the drivers of physician wellness and burnout; 2. Recognize the links between Physician Wellness and issues of Gender Equity; 3. Consider mitigating strategies at the individual and systems level
Speakers: Talia Zenlea, University of Toronto and Jane Lemaire, University of Calgary

- **Endoscopic Ultrasound (EUS) Tissue Acquisition** **Sunday, March 3rd, 11h50 (David O'Brien)**
Learning Objectives: 1. Review techniques to enhance diagnostic yield; 2. Discuss the tools available to optimize tissue acquisition performance; 3. Anticipate how personalized oncologic care will influence sampling techniques
Speakers: Robert Berger, Dalhousie University and Paul James, University of Toronto

- **Approach to Indeterminate Biliary Strictures** **Sunday, March 3rd, 11h50 (Oak)**
Learning Objectives: 1. Recognize causes of an indeterminate biliary stricture; 2. Appreciate tools helpful in assessing an indeterminate biliary stricture; 3. Identify an algorithmic approach to the management of an indeterminate biliary stricture
Speakers: Gurpal Sandha, University of Alberta and Fergal Donnellan, University of British Columbia

- **Anorectal Disease** **Sunday, March 3rd, 11h50 (Norquay)**
Learning Objective: To recognize, evaluate and manage common manifestations of anorectal disease
Speakers: Daniel Sadowski, University of Alberta and Ryan Snelgrove, University of Alberta

- **Advances in Pancreatic Cancer** **Sunday, March 3rd, 11h50 (Ivor Petrak)**
Learning Objectives: 1. Understand the techniques of EUS guided tissue acquisition for pancreatic cancer diagnosis; 2. Be familiar with endoscopic delivered therapies for tumor downsizing and pain management; 3. Understand the recent advances in systemic therapy for pancreas cancer
Speakers: Frances Tse, McMaster University and Carla Nash, Kelowna General Hospital

- **Refractory *C. difficile*** **Sunday, March 3rd, 11h50 (Alberta)**
Learning Objectives: 1. To review treatment algorithm for clinical documentation improvement (CDI); 2. To assess ideal timing for fecal microbiota transplantation (FMT); 3. To discuss risks and benefits of FMT
Speakers: Theodore Steiner, University of British Columbia and Dina Kao, University of Alberta

SUNDAY MARCH 3rd

Small Group Sessions

Small group sessions are interactive, case-based discussions that run from 11h00-11h40 and 11h50-12h30. **Pre-registration required.**

- **Pediatric Nutrition** **Sunday, March 3rd, 11h50 (Rob Ritchie)**
Learning Objectives: 1. Explain what is meant by a “blenderized” or “real food” tube feed and describe the various options for providing these; 2. Describe the potential advantages and disadvantages of the use of blenderized/real food tube feeds and the associated literature; 3. Explain the steps necessary to support the safe and effective use of blenderized/real food tube feeds in patients
Speakers: Linda Casey, University of British Columbia and Jason Silverman, University of Alberta

- **Drug-induced Liver Disease (DILI)** **Sunday, March 3rd, 11h50 (Frontenac)**
Learning Objectives: 1. Identify risk factors for DILI in the IBD population; 2. Recognize patterns of presentation associated with DILI; 3. List IBD therapies most commonly associated with DILI; 4. Generate a differential diagnosis for DILI and potential confounding factors; 5. Undertake appropriate investigations for suspected DILI, including to exclude alternate etiologies; 6. Appropriately manage DILI
Speakers: Kevan Jacobson, University of British Columbia and Amanda Ricciuto, University of Toronto

- **Management of Portal Hypertension** **Sunday, March 3rd, 11h50 (Champlain)**
Learning Objectives: 1. Describe the clinical features of and the pathophysiology leading to the development of clinically-significant portal hypertension (CSPH); 2. Identify newer developments in the management of CSPH, including the role of restrictive transfusion strategies and early TIPS in the management of variceal hemorrhage; 3. Recognize the appropriate circumstances when non-selective beta-blockers should be used in decompensated cirrhotic patients with ascites
Speakers: Aliya Gulamhusein, University of Toronto and Alex Aspinall, University of Calgary

SUMMARY OF ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA ACCREDITED SECTION 1 CREDITS

This educational program offers a total of 86 hours of Section 1 accredited learning and up to 20 credits per delegate

Please visit <http://www.cag-acg.org> to evaluate the conference and print your certificate

FRIDAY, MARCH 1	Credits	Session Title
08h00-09h30	1.5	CAG Selected Clinical Presentations
08h00-09h30	1.5	Practical Approach to Food Allergies: Therapeutic advances
10h00-11h30	1.5	Hepatology Update for the Gastroenterologist
10h00-11h30	1.5	CAG Student Prize Paper Presentations
10h00-11h30	1.5	Hands-on Skills and Techniques
12h30-14h30	2	Intestinal Fibrosis
12h30-14h30	2	Case-based Problems
12h30-14h30	2	Hands-on Skills and Techniques
15h00-16h30	1.5	Modern Issues in Endoscopy
15h00-16h30	1.5	Digestive Cancer Biology: From molecular biology to mucosal immunity
SATURDAY, MARCH 2		
08h00-09h00	1	Irritable Bowel Syndrome (IBS) Management
08h00-09h00	1	Anticoagulation/Novel Oral Anticoagulants (NOACS) and Reversal
08h00-09h00	1	Advances in Quality in Gastroenterology: Overcoming barriers to change
08h00-09h00	1	Eosinophilic Esophagitis (EoE)
08h30-10h30	1.5	Mucosal Immunology
09h00-10h30	1.5	Inflammatory Bowel Disease (IBD) Therapy
09h00-10h30	1.5	Non-Alcoholic Fatty Liver Disease (NAFLD)
11h00-11h40	.75	Small Group Sessions (12 sessions)
11h50-12h30	.75	Small Group Sessions (12 sessions)
13h30-15h00	1.5	Clinical Implications of Altered Gut Motility
13h30-15h00	1.5	Case-Based Viral Hepatitis B and C
13h30-15h00	1.5	Career Development
15h30-17h00	1.5	CAG Quality Award Lectures
15h30-17h00	1.5	Guideline Review
15h30-17h00	1.5	Nerve-Gut Interactions
17h30-18h30	1	R.D. McKenna Memorial Lecture
SUNDAY, MARCH 3		
08h00-09h00	1	IBD in the Morning: Sex, Drugs, and Rock 'n Roll
08h00-09h00	1	Proton Pump Inhibitor (PPI) Use
08h00-09h00	1	Skin Manifestations of Gastrointestinal Diseases
08h00-09h00	1	NAFLD in the Community
08h30-10h30	2	New Insights in Epithelial Cell Signaling
09h00-10h30	1.5	Evidence Based Therapies In IBS
09h00-10h30	1.5	Autoimmune Hepatobiliary Disease
11h00-11h40	0.75	Small Group Sessions (11 sessions)
11h50-12h30	0.75	Small Group Sessions (11 sessions)
13h30-15h00	1.5	Gastroenterologist for Life
13h30-15h00	1.5	CAG Research Award Lectures
15h30-17h00	1.5	Understanding IBD Pathogenesis
15h30-17h00	1.5	Endoscopy Video Cases
15h30-17h00	1.5	Enteric Infections

