



# CAPT ACTP

**The Canadian Association for Population Therapeutics/  
Association Canadienne pour la Thérapeutiques des Populations**

**Presents:**

**“Evidence in a Time of Crisis”**

## **PROGRAM**

**October 25<sup>th</sup> – 27<sup>th</sup>, 2021  
Virtual Conference**

**Registration**

**<https://www.capt-actp.ca/conference/>**

**CAPT-ACTP MISSION & VISION**

The CAPT-ACTP Mission is to advance epidemiologic research of therapeutic and other health interventions in Canada by:

- Bringing together diverse perspectives in a neutral forum
- Facilitating open exchange of ideas and collaboration
- Influencing policy and practice

The CAPT-ACTP Vision is to become the recognized Canadian leader for linking population-based therapeutic research, policy and practice that may lead to improved health outcomes.

**[www.capt-actp.ca](http://www.capt-actp.ca)**

## **CAPT-ACTP 2021 Conference Committees**

### **Executive:**

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Belinda Yap

## Message from the President

Welcome to the 2021 Canadian Association for Population Therapeutics (CAPT) / Association Canadienne pour la Thérapeutique des Populations (ACTP) annual conference, and CAPT-ACTP's 25<sup>th</sup> anniversary! We are proud to mark another year in the history of our organization while reflecting on its evolution and celebrating our achievements.

COVID-19 has continued to impact our lives, but we are hopeful that we are turning a corner and can return to “normal” soon. Our theme this year, “**Evidence in a time of crisis**” highlights the importance of decision-making in these unusual circumstances. Some of our sessions will examine the impacts of the pandemic on cancer, vaccine selection and looking at what lessons the healthcare system has learned during this time. Our discussions will focus on impacts on patients, and also how real-world evidence continues to be a big of part of decision-making in health technology assessments. We hope that you will find the knowledge and experiences of presenters valuable to you.

I would like to thank our sponsors for your support today and over the years. Your continued partnership has enabled us to continue to host this event. A big thank you to our presenters who have compiled engaging presentations, and to our attendees for joining us.

I would also like to thank all the members of the CAPT-ACTP Board who have worked hard throughout the year to find innovative topics and ways to present the conference. A special thank you to CAPT-ACTP's Scientific Program Committee, who has worked hard to put together an exciting agenda, our Local Organizing Committee, which has worked tirelessly behind the scenes, and the Partnership Committee, who has worked closely with our sponsors.

I would encourage you to take a look at our virtual poster gallery on our website, where we showcase the important work of many of our attendees. Please also take the time to complete our post-conference evaluation, as your feedback is important to us.

Make sure to follow us on Twitter at @CAPT\_ACTP and please tweet about the conference using the hashtag #CAPT\_ACTP2021.

We hope that you enjoy this year's virtual conference, and we can't wait to see you in person next year. Thank you to all of our members, past and present for the last 25 years, and we look forward to making the next 25 years even better!

**Shazia Hassan**  
**CAPT-ACTP President**

## **Conference Overview**

Welcome to the 2021 CAPT-ACTP conference! The theme of the conference, *“Evidence in a time of Crisis”* could not be more fitting for this year. As we entered the second year of hosting a virtual conference in the midst of a pandemic- no lesson has been greater than the urgency and importance for strong scientific evidence. There have been important leaps made and lessons learned that will remain with the scientific community even after the pandemic is just a chapter in history books. This important chapter in history has brought forward new challenges to the scientific community on how to develop robust evidence quickly, deal with uncertainty and communicate science to the public.

While our conference looks a bit different this year, the Scientific Program Committee has been working hard with our partners to ensure that we are still able to deliver content that is valuable to our audience. Through our diverse program this year, we have continued focused on selecting timely topics that align with CAPT-ACTP’s Vision of linking population-based therapeutic research, policy and practice to lead to improved health outcomes. More importantly we aim to share ideas and spark discussions that we hope will move research in our space forward. We are pleased to present a number of panel discussions, which bring together the diverse perspectives and expertise of our speakers and membership. This year, we are proud to be able to once again showcase the exciting research achievements

The Scientific Program Committee would like to thank our partners who have made the presentation of this year’s conference possible, and have continued to support CAPT-ACTP despite continued challenges this year. We hope that it won’t be long before we are able to safely enjoy the company of each other in person at the conference, and we look forward to those days in anticipation. Until then, we look forward to meeting you virtually. We hope that you enjoy the conference!

**Mina Tadrous**  
**CAPT-ACTP Scientific Program Committee Chair**

**Monday, October 25, 2021**

**11:00AM – 11:15AM**

**Welcome to Day 1**

Speaker: Shazia Hassan, CAPT-ACTP President

**11:15AM – 12:00PM**

**The Impact of COVID on Cancer Care**

**Sponsored by: Merck**  **MERCK**  
*Be well*

Moderator: Mina Tadrous, Women's College Hospital

Speakers: Dr. Gerald Batist, Director of the Segal Cancer Centre at the Jewish General Hospital  
MJ DeCoteau, Executive Director of Rethink Breast Cancer

**Session Overview:** The COVID-19 pandemic has taken a devastating toll on Canadians and our society. However, as our collective attention remains on fighting the virus, another pressing pandemic is surging – rapidly rising cancer rates. Due to more limited screening, later diagnoses and delayed surgeries because of the pandemic, oncologists are now warning of a “tsunami of cancer” in Canada. Canadian health systems need to adapt quickly to catch up to the current care and treatment backlog, while preparing our country for more cancer as our population grows older.

Join us for an in-depth discussion on how Canadian health systems can leverage COVID-19 learnings and new health innovations and solutions to revitalize our health system and prepare it for the cancer challenges of the future.

**12:00PM – 1:30PM**

**Session 1: Closing the Gaps to Timely Patient Access**

**Sponsored by: AstraZeneca** 

Moderator: Dr. Judith Glennie, J.L. Glennie Consulting

Speakers: Oonagh McGill, Director, Market Access, AstraZeneca UK  
Eva Villalba, Executive Director – Quebec Cancer Coalition  
Dr. Paul Wheatly-Price, Medical oncologist- Lung Cancer Canada

**Session Overview:** There have been several efforts in Canada to shorten the time between Health Canada (HC) approval and the patient actually having access to the medication. Health Canada's Project Orbis and collaboration between HC, CADTH, and INESSS on parallel reviews have contributed to accelerated regulatory and HTA reviews for products where early clinical data is promising and there is high patient need. Unfortunately, these advances are being undermined by the reimbursement process. Gains being made to accelerate the first part of the overall access process through progressive policy advancements like Project Orbis, are rendered ineffectual when product reimbursement takes an additional 12 to 18 months to achieve.

There is a need for better pull through of products that have gone through these accelerated regulatory and HTA processes, so that patients do not end up waiting for medication due to

barriers in other parts of the patient access system. It is critical to optimize reimbursement process timelines for important new medications by resolving issues that create barriers with the current system. COVID has shown us that the Canadian health system can pivot and adapt during times of crisis. The *status quo* in patient access to medications should be considered a crisis and addressed accordingly. There must be a willingness to bring creativity and change (i.e., conditional funding mechanisms) to what has become a stagnant process.

The panel will review and discuss options for accelerating access to medicines with high unmet need based on various proposals for a conditional funding mechanism. Diverse perspectives and critiques on the options tabled will serve as the focus of the session.

**1:30PM – 1:40PM    Break**

**1:40PM – 3:10PM    Session 2:    Navigating uncertainty: real-world experience with CAR-T in an international context**

***Sponsored by: Gilead***



Moderator:    Jaclyn Beca, Ontario Health  
Speakers:    Dr. Christian Chabannon, EBMT registry  
                  Dr. Marcelo Pasquini, CIBMTR registry  
                  Imi Faghmous , Kite methodologist

**Session Overview:** This session will identify and describe the challenges associated with evidence generation and value assessment for highly innovative novel therapies using the example of CAR-T. During this session, we will showcase international examples of RWE collection and utilization for CAR-T. The session will also highlight important lessons learned as we *work toward Canadian implementation.*

**3:15PM - 4:00PM**

**Oral Presentation Part 1**

***Sponsored by: Amgen, J.L. Glennie Consulting, PDCI***



**Breakout Room 1: Show me the \$\$\$**

Moderator: Shazia Hassan

Medication use and healthcare costs among adults with migraine: a population-based study in Alberta, Canada

*Presenter: Lawrence Richer*

Uncovering the hidden costs of Take Home Cancer Drugs (THCDs)

*Presenter: Dylan Lamb-Palmer*

Depression-related healthcare costs associated with treatment patterns among patients with mild-to-severe psoriasis: A retrospective cohort study in Quebec, Canada

*Presenter: Raymond Milan*

**Breakout Room 2: Drug Utilization**

Moderator: Adam Haynes

Patterns of antipsychotic dispensation to residents of long-term care facilities in Nova Scotia, Canada including after a fall-related hospitalization

*Presenter: Shanna Trenaman*

Chronic and high dose opioid prescribing patterns for non-cancer patients in primary care practices in Nova Scotia, Canada from 2011-2018

*Presenter: Heather Neville*

Effect of two different types of exercise volumes on exercise capacity, physical activity and quality of life in subjects undergoing percutaneous coronary intervention

*Presenter: Adriana Angarita-Fonseca*

**4:00PM – 4:15PM**

**Day 1 Summary**

Speaker: Shazia Hassan, CAPT-ACTP President

**Presentation of the Kris Schindel Award**

Remarks from recipient



**Tuesday, October 26, 2021**

**11:00AM – 11:15AM**

**Welcome to Day 2**

Speaker: Shazia Hassan, CAPT-ACTP President

**11:15AM – 12:00PM**

**Keynote Address- Vaccine selection: Decision Making in Real-Time During a Pandemic**

**Sponsored by:** The logo for CAPT ACTP features a stylized red flame or drop shape above the text "CAPT ACTP" in a bold, red, sans-serif font.

Moderator: Mina Tadrous, Women's College Hospital  
Speaker: Dr. Lorne Tyrrell, Director of the Li Ka Shing Institute of Virology, University of Alberta

D. Lorne Tyrrell OC, AOE, MD, PhD, FRCPC, FRSC, FCAHS is a Distinguished University Professor at the University of Alberta. He is the Founding Director of the Li Ka Shing Institute of Virology and has focused his research on viral hepatitis since 1986. His work on the development of antiviral therapy was supported by CIHR and Glaxo Canada. It resulted in the licensing of the first oral antiviral agent to treat chronic hepatitis B infection – lamivudine – in 1998. Today, lamivudine is licensed in over 200 countries worldwide for the treatment of HBV. He has also been involved in the establishment of a biotech company—KMT Hepatech Inc. based on the first non-primate animal model for HCV. This model supports the replication of HAV, HBV, HCV and malaria.

Dr. Tyrrell was the Dean of the Faculty of Medicine and Dentistry from 1994-2004. Since leaving the Deanship in 2004, Dr. Tyrrell has taken on a number of important board positions in healthcare in Alberta and Canada. These include the Chair of the Board of the Institute of Health Economics (2004-2018), Chair of the Gairdner Foundation Board (2009-2019), and member of the Research Advisory Council for the Canadian Institute for Advanced Research (2004-2019). He was appointed to the Science Advisory Board to Health Canada and was Chair of the Board of the Health Quality Council (2004-2012).

Since the COVID-19 pandemic, he has worked on antivirals and vaccines for SARS-CoV-2. He is a member of the COVID-19 Vaccine Task Force that advises the Federal Government on the selection of COVID-19 vaccines based on efficacy, safety, and timely availability for Canada.

For his studies on viral hepatitis, Dr. Tyrrell has received numerous prestigious awards including the Gold Medal of the Canadian Liver Foundation (2000), Officer of the Order of Canada (2002), Alberta Order of Excellence (2000) and Fellow of the Royal Society (2004). He was inducted into the Canadian Medical Hall of Fame in April 2011 and was awarded the Killam Prize in Health Sciences in May 2015

**12:00PM – 1:30PM    Session 3:    The Next Big Thing: What Will Shape Healthcare for the next 30 Years**

**Sponsored by:**  **CAPT ACTP**

**Moderator:** Mina Tadrous, Women's College Hospital  
**Speakers:** Rhonda Wilson, Vice-President Ontario Health  
Laura Desveaux, Scientific Lead, Institute for Better Health & Learning Health System Program Lead, Trillium Health Partners  
Muhammad Mamdani, Vice President of Data Science and Advanced Analytics at Unity Health Toronto  
Tina Felfeli, University of Toronto, Department of Ophthalmology and Vision Sciences

**Session Overview:** "Change is constant"- this has never been truer than during the time of COVID. The pandemic has presented a unique opportunity to build on many changes that were brewing prior to the pandemic's start but, in many ways, has accelerated many rapid shifts in the way healthcare is delivered in Canada. This panel brings together thought-leaders from various areas and backgrounds to tackle the question "What will be the next big thing?". They will review and discuss what may be the next major changes to the healthcare system; changes that will shift the way healthcare is delivered. We will cover important changes and advancements in healthcare delivery, developing learning healthcare systems, Artificial intelligence, and population health.

**1:30PM – 01:45PM    Break**

**1:45PM – 3:15PM    Session 4:    Patient Support Programs (PSP) and Rare Disease: Utilization of RWE in Strategy**

**Sponsored by:** **Innomar Strategies**  **AmerisourceBergen**  
Innomar Strategies

**Moderator:** Alison Drinkwater, Senior Director, Strategic Consulting, Innomar Strategies  
**Speakers:** Sandra Salama-Anderson, Senior Vice President, Commercialization and Strategy, Innomar Strategies  
Nedzad Pojskic, Vice- President, Pharmacy Benefits Management, Greensheild Canada  
Durhane Wong-Reiger, President & CEO, Canadian Organization for Rare Diseases (CORD)

**Session Overview:** The session will explore how to leverage patient support programs (PSP) throughout the product life cycle and identify the challenges and opportunities associated with utilizing the PSP for RWE to enable decision-making and market access/commercialization

strategies of rare disease therapies. This will be presented from the unique perspectives of the panelists embodying the patient voice, manufacturer, private payer and leader in PSPs, who will share key initiatives in Canada to address challenges in rare diseases.

**3:15PM – 3:30PM      Break**

**3:30PM – 4:15PM      Oral Presentations Part 2**

***Sponsored by: Amgen, J.L. Glennie Consulting, PDCI***



**Breakout Room 1: Topics in COVID-19**

Moderator: Jon Feairs

Exploring associations between polypharmacy and COVID-19-related hospitalizations and deaths: a population-based study among community-dwelling older adults in Quebec

*Presenter: Caroline Sirois*

Prescribing patterns among in-person vs virtual primary care visits pre- and post-COVID-19 in Ontario, Canada

*Presenter: Sergey Muratov*

Utilization of COVID-19 related funding modifications for systemic cancer therapies in Ontario, Canada

*Presenter: Jaclyn Beca*

**Breakout Room 2: Pharmacoepidemiology**

Moderator: Shoghag Khoudigian

Hydrochlorothiazide use and risk of non-melanoma skin cancer (NMSC)

*Presenter: Cristiano Moura*

Marginal structural models with latent class growth modeling of time-varying treatment

*Presenter: Awa Diop*

The risk of urinary tract infections associated with the use of sodium-glucose cotransporter-2 inhibitors: A cohort study using real world data.

*Presenter: Wajd Alkabbani*

**4:15PM – 4:30PM      Day 2 Summary – awards presentations**

Speaker:            Shazia Hassan, CAPT-ACTP President 2021

**Wednesday, October 27, 2021**

**11:00AM – 11:15AM**

**Welcome to Day 3**

Speaker: Shazia Hassan, CAPT-ACTP President

**11:15AM – 12:45PM Session 5:** New Methods in Lifecycle HTA to Manage Uncertainty

**Sponsored by: IHE**  **INSTITUTE OF HEALTH ECONOMICS ALBERTA CANADA**

Moderator: Dr. Chris McCabe, Executive Director and CEO, Institute of Health Economics

Speakers: Dr. Jeff Round, Director, Health Economics, Institute of Health Economics  
Professor Carole Longson, Senior Adviser and Consultant in Life Science Policy, HTA and Market Access  
Dr. Bettina Ryll, Founder, Melanoma Patient Network Europe; EU Cancer Mission Board; Former chair, European society for Medical Oncology Patient Working Group  
Dr. Stuart Peacock, Professor and Leslie Diamond Chair in Cancer Survivorship, SFU; Head, Cancer Control Research, BC Cancer; Co-Director, Canadian Centre for Applied Research in Cancer Control (ARCC)

**Session Overview:** This session will identify the challenges associated with decision-making and contracting for reimbursement of therapeutics with high cost, high uncertainty. It will share key initiatives in Canada and at IHE to address the identified challenges and describe methods for lifecycle HTA that support the use of RWE-informed approaches to reimbursement.

**12:45PM – 1:00PM Break**

**1:00PM – 2:30PM Session 6: Whose perspective, modeling in a time of crisis: What has the pandemic taught us?**

**Sponsored by: Biogen** 

Moderator: Farah Jivraj, Biogen Canada, Head of Market Access and Stakeholder Relations.

Speakers: Fred Horne, Former Alberta Minister of Health and Health Policy consultant  
George Andrews, CEO of Alzheimer Society of Alberta  
Dr. Adriana Shnall, PhD Program Director, Baycrest @Home Session  
Dr. Jenny Ingram, Community Geriatrician

**Session Overview:** This session will identify the challenges associated with quantifying the impact of the pandemic (healthcare vs societal perspective) from a Health Economic perspective. Share key learnings of societal impact of the pandemic vs taking a narrow perspective of the payer. What would we have missed and how do we credibly quantify this? Lessons learnt for disease areas that have high social impact e.g. Alzheimer's/ Hepatitis C? Lessons learnt from other HTA bodies on the implications of the societal vs MOH perspective e.g. NICE, UK

**2:30PM – 3:00PM**

**Closing Remarks**

**Poster and Oral Presentation Awards**

Speaker: Mina Tadrous, CAPT-ACTP incoming President

**Abstract Booklet and Posters** can be found at <https://www.capt-actp.ca/conference/>

For any inquiries, please contact Ms. Peggy Kee ([peggy.kee@sunnybrook.ca](mailto:peggy.kee@sunnybrook.ca)), or visit the CAPT-ACTP website at: ([www.capt-actp.ca](http://www.capt-actp.ca)).

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