2019
ANNUAL REPORT

cts-sct.ca
Continuity and Change

Looking back on 2019, we have much to be proud of: we published six evidence-based guidelines or position papers, we increased our educational programming for members by developing 2 online accredited CME programs and delivering a national speaker series in 8 cities across Canada. We grew the membership and forged a new partnership with the Canadian Society for Respiratory Therapists, while continuing our collaborations with traditional partners such as ATS, CHEST and ERS to bring value to our members.

CTS moved forward in all our strategic priorities due to the significant leadership contributions provided by members who are making an impact in key roles within our society and in the field of respiratory health. 2020 will mark the completion of our first strategic plan as an independent society and we have embarked on developing a new plan, building on our strengths and seeking new challenges so that our society continues to evolve and grow to serve the needs of our members and the national community. The member survey we conducted in late 2019 indicated that what members value most are clinical practice guidelines, continuing professional development, the journal and opportunities to network. We also received excellent input on potential new areas of focus and are working through how best to integrate these new directions over the next three years of the new plan.

As we adjust to the realities of life in the face of COVID-19, the CTS remains committed to serving our members and to our mission of promoting best practices in respiratory care to improve patient outcomes. Together with our members and partners, CTS is continuing to work to support respiratory health professionals in these tumultuous times of change and uncertainty. We are lucky to have in our membership, world-class experts in respiratory medicine and healthcare, and we will leverage our resources, including our membership network and educational programs, to support the response to ending COVID-19.

While the pandemic curtailed some of our traditional activities, it also created new opportunities. Health Canada has reached out to CTS to ask for technical advice regarding the emerging shortage of metre-dosed inhalers. Drs. Mohit Bhutani, Chris Licskai and Connie Yang represented CTS in providing advice to Health Canada on the potential impact and mitigation strategies. CTS is now part of a Health Canada stakeholder group to provide ongoing advice.
“I want to thank John and Janet for their mentorship over the last year as we planned for the transition. My vision is to continue to bring together physicians, scientists, and healthcare professionals from a variety of disciplines working in respiratory health and research. We will transform the care of patients with lung disease through education and knowledge translation. We will also enhance partnerships locally, nationally and internationally and engage the next generation of physicians, scientists and healthcare professionals.”

– Dina Brooks, CTS President-elect

The cancellation of our Canadian Respiratory Conference (CRC) has resulted in a loss of educational programming, as well as a highly valued opportunity for networking and participation in affiliated meetings and programs. We are grateful to the Scientific Committee for the excellent program they developed, and to all of you who intended to support the conference. We are making plans to transition some of the content to online accredited symposia with the support of our industry partners. The cancellation of the conference will create a significant financial loss for CTS in 2020. We’d be grateful if you would continue to support the CTS through renewal of your membership, inviting your colleagues to join as well and by planning to register for CRC 2021 next year (April 8–10).

It has been an honor to serve as president over the past year. At our annual meeting in June, Dina Brooks will take over the reins of CTS as President. Dina is Vice-Dean and Executive Director of the School of Rehabilitation Science at McMaster University (Hamilton, ON) and an accomplished clinician scientist and academic in the field of physiotherapy. I’ve invited Dina to share her vision for CTS during her term of office:

“I want to thank John and Janet for their mentorship over the last year as we planned for the transition. My vision is to continue to bring together physicians, scientists, and healthcare professionals from a variety of disciplines working in respiratory health and research. We will transform the care of patients with lung disease through education and knowledge translation. We will also enhance partnerships locally, nationally and internationally and engage the next generation of physicians, scientists and healthcare professionals.”

Our strong network of members is one of our greatest assets as we navigate challenging times together. We stand ready to support you and are open to hearing about your needs and finding creative ways to respond. I invite you to offer your time and talent to the CTS through the work of the assemblies and committees and to encourage your colleagues, trainees and students to join us in our collective mission to improve lung health for all Canadians.

Respectfully submitted,

John Granton, MD, FRCPC
CTS PRESIDENT
Foster innovation to promote evidence-based clinical practice

Drive the rapid implementation of new knowledge in clinical practice using guidelines, knowledge transfer and cutting-edge research.

In 2019, CTS clinical assemblies produced the following clinical practice guidelines and position statements which were published in the *Canadian Journal of Respiratory, Critical Care and Sleep Medicine*:

- Home mechanical ventilation for patients with ALS
- Diagnosis of chronic thromboembolic pulmonary hypertension (CTEPH)
- Quality indicators for pulmonary rehabilitation in Canada
- A joint position statement ‘in press’ on the treatment of pulmonary arterial hypertension was produced in collaboration with the Canadian Cardiovascular Society
- 2019 Update of Pharmacotherapy for patients with COPD
- FAQ document – “Are the 2019 Global Initiative for Asthma (GINA) strategy recommendations applicable to the Canadian context?”

Manuscripts in development

- Position statement on long-term monitoring of patients with ILD
- Guideline update on the management of CTEPH
- Guideline update on home mechanical ventilation for patients with COPD
- Development of a guideline on cannabis and lung health
- Guideline update on sleep disordered breathing in adults
- Development of a pediatric OSA guideline in collaboration with the Canadian Sleep Society
- Guideline update on asthma pharmacotherapy

The new Assembly model was fully implemented with the Asthma and COPD Assemblies in 2019. Work will continue in 2020 to apply the model to other assemblies such as Sleep Disordered Breathing, Home Mechanical Ventilation, Respiratory Infections and Bronchiectasis, and Interstitial Lung Disease.

The CRHP Assembly created a new inter-professional community of practice on Support for People with Advance Respiratory Disease (through to palliative care).

Our **Canadian Respiratory Guidelines Committee (CRGC)** put into place a funding and promotion policy for clinical practice guidelines, guidance documents and related knowledge translation products. The CRGC is completing the redesign of the ‘Knowledge Translation Tools and Resources’ section of the CTS website that will include tools that are CTS and non-CTS, whether the production / evaluation of a tool was funded by private industry, and if the tools have published research evidence demonstrating their effectiveness.

**CRGC Guideline Development and Methodology Workshop**

The 2019 workshop focussed on key elements of the updated CTS guideline development process, such as patient and public involvement, and on the application of the Newcastle-Ottawa Scale to assess risk of bias in non-randomized studies. Featured speakers were Dr. Samir Gupta, Chair of the CRGC and Dr. George Wells, Director, Cardiovascular Research Methods Centre at the University of Ottawa Heart Institute.

**Guidelines Collaborations with CHEST (American College of Chest Physicians)**

Dr. Reshma Amin is the official CTS representative on the Management of Respiratory Muscle Weakness guideline panel.

**Choosing Wisely Canada**

CTS and Choosing Wisely Canada started working together in partnership with other key organizations such as the College of Family Physicians of Canada on a patient-facing campaign to drive awareness on the importance of spirometry.
COLLABORATION WITH KEY PARTNERS

ALLERGEN NCE
ALPHA 1 CANADA
AMERICAN THORACIC SOCIETY
ASSOCIATION OF MEDICAL MICROBIOLOGY AND INFECTIOUS DISEASE CANADA
ASTHMA CANADA
CANADIAN LUNG ASSOCIATION
CANADIAN NETWORK FOR RESPIRATORY CARE
CANADIAN SOCIETY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY
CANADIAN PEDIATRIC SOCIETY

CANADIAN RESPIRATORY RESEARCH NETWORK
CANADIAN SLEEP & CIRCADIAN NETWORK
CANADIAN SLEEP SOCIETY
CANADIAN SOCIETY OF RESPIRATORY THERAPISTS
CHEST – AMERICAN COLLEGE OF CHEST PHYSICIANS
CHOOSING WISELY CANADA
COLLEGE OF FAMILY PHYSICIANS OF CANADA
EUROPEAN RESPIRATORY SOCIETY
IMMUNIZE CANADA
RESPTREC® – THE LUNG ASSOCIATION OF SASKATCHEWAN

Canadian Journal of Respiratory, Critical Care and Sleep Medicine – official journal of the CTS

Thanks to member contributions, strong leadership by Editor in Chief Louis-Philippe Boulet and Deputy Editor Diane Lougheed, the Associate Editors and members of the editorial board, the journal is performing well and becoming a more robust income stream for the CTS.

In his first year as Editor in Chief, Dr. Louis-Philippe Boulet established an annual “Year in Review” publication to highlight developments in respiratory medicine and research. Thanks to all the authors who contributed to this new CTS tradition.
Provide state-of-the-art professional education to transform lung healthcare

Enhance the CTS’ ability to customize its programs and services to meet the continuing education needs of its members and other healthcare professionals.

2019 program highlights:

• Delivered the 12th Annual Canadian Respiratory Conference (CRC) in Ottawa, ON April 11–13, 2019— an accredited group learning activity (Section 1)

• Within the scientific program at CRC, the following three sessions were developed as Accredited Self-Assessment activity (Section 3)
  - Cardiopulmonary Exercise Testing Workshop: Primer and Pearls
  - Interpretation of Device Downloads: Interactive Workshop
  - Once in a Lifetime: Multi-specialty session examining Rare Pulmonary Malignancies in Pediatrics

• Co-developed three symposiums with Boehringer Ingelheim, GSK and AstraZeneca.

• The annual “Pleural Ultrasound: A Hands-on Simulation Course” was delivered as an accredited Simulation Activity (Section 3) by members of Clinical Assembly on Chest Procedures in Ottawa on April 13, 2019.

• The inaugural CTS Mastermind Challenge: A Team-based Competition Among Respirology Fellows was presented at CRC 2019. 4 teams competed with the University of Calgary taking home the first CTS cup.

• Delivered the annual CTS Scientific Program at CHEST in New Orleans, LA on October 21, 2019. The CTS Honorary Lecture was delivered by Dr. Mark FitzGerald on the topic “The Evolution of Asthma Care: a 30 Year Perspective”

• Independent Medical Education grants from GSK supported the development of accredited CME programs:
  - CTS COPD Pharmacotherapy Update Speaker Series in 8 cities across Canada
  - COPD Pharmacotherapy Update online module in collaboration with MDBriefCase
  - Recognition and Management of Severe Asthma online module in collaboration with MDBriefCase

• Webinars organized by the CRHP Leadership Council included the following:
  - Cognitive impairment in respiratory diseases: prevalence and impact, Dr. Véronique Pepin
  - End of life care and discussion of palliative care for respiratory patients, Dr. Donna Goodridge
  - Cannabis and the Lung, Dr. Matthew Stanbrook
  - Opioids for management of exertional symptoms in COPD, Dr. Dennis Jensen

A clinical immersion course on the topic of mild to severe asthma was created for GSK Canada and delivered in conjunction with CRC 2019 in Ottawa, April 13–14, 2019. This is a collaborative initiative between CTS and CHEST to provide clinical education to industry representatives. Additional programs under consideration include interstitial lung disease, lung cancer and pulmonary hypertension.
Promote cutting-edge lung health research

Support the implementation of the National Respiratory Research Strategy to improve prevention, screening, diagnosis, treatment, support systems and palliation of respiratory diseases.

9th Annual CTS Research Poster Competition at ATS

The 9th annual CTS Research Competition took place on Saturday, May 18, 2019 in Dallas, Texas as part of the American Thoracic Society International Conference.

2019 WINNER OF THE JAMES C. HOGG BASIC RESEARCH AWARD

Joshua McGrath, McMaster University (pictured with Dr. Jim Hogg)

ABSTRACT TITLE: Inhibition of Nasal and Systemic IgA Responses by Cigarette Smoke Exposure in Mice

FIRST RUNNER-UP: Mirabelle Ho, Ottawa Hospital Research Institute

SECOND RUNNER-UP: Christopher Pascoe, University of Manitoba

2019 WINNER OF THE FREDERICK HARGREAVE CLINICAL RESEARCH AWARD

Sarah Svenningsen, McMaster University (pictured with Program Chair, Dr. Larry Lands)

ABSTRACT TITLE: Airway Luminal Contributors to Magnetic Resonance Imaging Ventilation Heterogeneity in Severe Asthma

FIRST RUNNER-UP: Manali Mukherjee, McMaster University

SECOND RUNNER-UP: Rachel Eddy, Western University
In 2019, CTS also:

Participated in the annual meeting of the Canadian Respiratory Research Network in Ottawa as a member of the CRRN Stakeholder Advisory Committee, January 2019

Served as a member of the Canadian Sleep and Circadian Network

Mentored respiratory research trainees at the PhD and post-doctoral levels at the annual RENASCENT Training Workshop, held in conjunction with the Canadian Respiratory Conference in Ottawa, April 2019. CTS is a collaborating partner in the program co-presented by CIHR-Institute for Circulatory and Respiratory Health and the Canadian Lung Association.

Highlighted excellence in research through the 11th annual Canadian Respiratory Health Professionals Poster Award at the 2019 Canadian Respiratory Conference in Ottawa

Recognized the significant leadership contributions to respiratory research of Dr. Malcom Sears and Diana Royce (AllerGen NCE) and Drs. Shawn Aaron and Jim Martin (Canadian Respiratory Research Network) at the 2019 Canadian Respiratory Conference.

Requests for Letters of Support

CTS is committed to assisting our members to attract funding for respiratory research. Our Letters of Support policy is available on the CTS website at cts-sct.ca/research/. If you need a letter of support from CTS for your research funding application, please contact:

Anne Van Dam,
CTS Director,
Knowledge Mobilization
avandam@cts-sct.ca
Developing the next generation of respiratory health professionals and researchers

Provide clinical and research opportunities for careers in the respiratory field to enrich the respiratory specialty.

CTS undertook specific initiatives to support career development and facilitate the engagement of fellows, trainees and early career members:

- Presented the inaugural **CTS Mastermind Challenge: A Team-based Competition Among Respirology Fellows** at CRC 2019

- Delivered the National Senior Respiratory Fellows Symposium (NSRFS) and simulated specialty exam to 36 residents in collaboration with Respirology Program Directors, April 10–11, 2019 in conjunction with CRC in Ottawa, ON

- Implemented the annual Pediatric Respirology Fellows Day for 14 fellows with faculty from the Pediatric Assembly, April 10–11, 2019 in conjunction with CRC

- Host and maintain the Pediatric Respirology ‘Cross Canada Rounds’ website

- Provided access to the national **Directory of Fellowships and Training Opportunities**. This resource is updated annually with Respirology Program Directors and posted in the Member Resources area of the CTS website

- Implementation of the new assembly model to engage early career representation in the asthma and COPD assembly steering committees

- Created a new membership category for PhDs with a differential fee structure

- Extended a preferred membership rate for respirologists in their first two years of practice

**ABOVE:** CTS Mastermind Challenge Champions: Eric Leung, Daniel Vis and Rachel Lim of Team Calgary, flanked by Masters of Ceremonies, Dr. Gerry Cox (far left) and Dr. David McCormack (far right) and CRC 2019 Scientific Program Co-Chair, Dr. Chris Hergott (second left).
## 2019 Awards and Recognition

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<tr>
<th>Award Type</th>
<th>Name</th>
<th>Location</th>
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<td>Distinguished Achievement</td>
<td>Douglas McKim</td>
<td>Ottawa, ON</td>
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<tr>
<td>Lifetime Achievement in Pediatric Respiratory Medicine</td>
<td>Dennis Gurwitz</td>
<td>Toronto, ON</td>
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<td>CRHP Distinction Award</td>
<td>Darrel Melvin</td>
<td>Red Deer, AB</td>
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<td>Dedicated Service Award</td>
<td>Gordon Ford</td>
<td>Calgary, AB</td>
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<td>CIHR / ICRH-CTS Distinguished Lecture in Respiratory Sciences</td>
<td>Dick Menzies</td>
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<tr>
<td>CTS Honorary Lecture at Chest</td>
<td>J. Mark FitzGerald</td>
<td>Vancouver, BC</td>
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### Leadership

Heartfelt thanks to our Chairs and Co-Chairs who contributed to the work of CTS assemblies and other key initiatives in 2019:

- **Canadian Respiratory Health Professionals Assembly**
  - Elizabeth French
  - Samir Gupta
- **Pediatric Assembly**
  - Sze Man Tse
  - Connie Yang
- **Asthma Assembly**
  - Chris Licskai
  - Tanweer Azher
  - Maeve Smith
- **Bronchiectasis Working Group**
  - Tanweer Azher
  - Maeve Smith
- **Canadian Respiratory Guideline Committee**
  - Samir Gupta
- **Prestine Expert Panel Working Group**
  - Diane Lougheed
- **Cannabis Guideline Panel**
  - Matthew Stanbrook
- **COPD Assembly**
  - Mohit Bhutani
  - Gail Dechman
- **COPD Guideline Panel**
  - Jean Bourbeau
- **Chest Procedures Assembly**
  - Christopher Hergott
- **Home Mechanical Ventilation Assembly and Guideline Panel**
  - Doug McKim
  - Karen Rimmer
- **Interstitial Lung Disease Assembly**
  - Martin Kolb
- **Pulmonary Vascular Disease Assembly**
  - Andrew Hirsch
- **CTEPH Guideline Panel**
  - Doug Helmersen
- **Sleep Disordered Breathing Assembly**
  - Najib Ayas
- **Pediatric Obstructive Sleep Apnea Guideline Panel**
  - Joanna MacLean
- **Tuberculosis and Infectious Disease Committee**
  - Dick Menzies
- **2019 Canadian Respiratory Conference Co-Chairs**
  - Shawn Aaron
  - Judy King
- **Canadian Respiratory Conference Scientific Committee Co-Chairs**
  - Christopher Hergott
  - Sunita Mathur
- **National Senior Respiratory Fellows Symposium**
  - Alia Kashgari
- **Pediatric Respirology Fellows Day**
  - Joe Reisman
  - Melinda Solomon
  - Connie Yang
- **CTS Scientific Program at Chest**
  - François Maltais
- **Canadian Partnership Against Cancer / Lung Cancer Screening Framework**
  - Anne Gonzalez
  - Christopher Hergott
- **Chest Annual Meeting Program Planning Committee**
  - John Gjevre
- **Choosing Wisely Task Force**
  - Samir Gupta
- **European Respiratory Society, CTS National Representative**
  - Diane Lougheed
- **Royal College Specialty Committee for Respiratory Medicine**
  - Ashley Gillson
- **Canadian Lung Association National Board**
  - Diane Lougheed
- **Canadian Lung Association National Research Steering Committee**
  - Dina Brooks
  - Andrew Halayko
  - Larry Lands
  - Mika Nonoyama

And appreciation to those who represent CTS with partner organizations:
CTS DISTINGUISHED ACHIEVEMENT AWARD
John Granton
CTS President
Douglas McKim
Awardee

CTS DEDICATED SERVICE AWARD
Gordon Ford
Awardee
John Granton
CTS President

CRHP DISTINCTION AWARD
Véronique Pepin
Chair, CRHP Leadership Council
Darrel Melvin
Awardee
Judy King
Co-Chair, CRC 2019

LIFETIME ACHIEVEMENT IN PEDIATRIC RESPIRATORY MEDICINE
John Granton
CTS President
Dennis Gurwitz
Awardee
Glenda Bendiak
Chair, Pediatric Assembly

2019 CIHR/ICRH – CTS DISTINGUISHED LECTURE IN RESPIRATORY SCIENCES
John Granton
CTS President
Dick Menzies
Awardee
Brian Rowe
ICRH Scientific Director

2019 CTS HONORARY LECTURE AWARD, CHEST ANNUAL MEETING
François Maltais
CTS Scientific Program Chair
Mark FitzGerald
Awardee
John Granton
CTS President
2019 CTS FINANCIAL REPORT

Sources of revenue = $1,469,264

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Expense by category = $1,336,274

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**NET** $132,990

Audited financial statement

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**NET** $132,990

The full audited financial statement will be posted on the CTS website and also available upon request via info@cts-sct.ca
SPONSORS

2019 Corporate Sponsors

**PLATINUM**
- Boehringer Ingelheim
- GSK

**GOLD**
- AstraZeneca
- Sanofi Genzyme

**SILVER**
- Merck
- Grifols
- Novartis

**BRONZE**
- Actelion / Janssen
- Boehringer-Ingelheim
- Covis Pharma
- Roche
- Teva Innovation

**FRIENDS**
- AllerGen NCE Inc.
- Alpha 1 Canada
- BD
- Canadian Lung Association
- CIHR-Institute of Circulatory and Respiratory Health
- Helen of Troy
- McArthur Medical Sales
- Mylan Canada
- Pulmonary Hypertension Association of Canada
- RESPTREC® – Lung Association of Saskatchewan
- Taylor & Francis Group
- THORASYS Thoracic Medical Systems Inc.
- Trudell Medical International
- United Therapeutics
- Vertex Pharmaceuticals Canada

**COLLABORATING SOCIETIES**
- American Thoracic Society
- CHEST (American College of Chest Physicians)
- European Respiratory Society

2019 Conference Sponsors

**PLATINUM**
- Boehringer Ingelheim
- GSK

**GOLD**
- Sanofi Genzyme

**SILVER**
- AstraZeneca
- Grifols
- Merck

**BRONZE**
- Actelion / Janssen
- Boehringer-Ingelheim
- Covis Pharma
- Novartis
- Roche
- Teva Innovation

**FRIENDS**
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- BD
- Canadian Lung Association
- CIHR-Institute of Circulatory and Respiratory Health
- Helen of Troy
- McArthur Medical Sales
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- Trudell Medical International
- United Therapeutics
- Vertex Pharmaceuticals Canada

**COLLABORATING SOCIETIES**
- American Thoracic Society
- CHEST (American College of Chest Physicians)
- European Respiratory Society

2019 Program Sponsors

**PEDiATRIC RESPIROLOGY FELLOWS DAY**
- Vertex

**iNDependent MedicaL eDucation GRANTs – COPD Speakers Series & Online Module – Severe Asthma Online Module**
- GSK
Guiding Principles

Member driven | Evidence-based knowledge production and transfer
Transformation of patient care | Collaboration and partnership
Good governance

CTS Board of Directors

John Granton
PRESIDENT
University of Toronto
Toronto, ON

Catherine Lemiere
PAST PRESIDENT
Université de Montréal
Montréal, QC

Dina Brooks
PRESIDENT-ELECT
University of Toronto
Toronto, ON

Paul Hernandez
TREASURER
Dalhousie University
Halifax, NS

Richard Leigh
SECRETARY
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Calgary, AB

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McGill University
Montréal, QC

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CHAIR, EDUCATION & CONTINUING PROFESSIONAL DEVELOPMENT
Université Laval
Québec, QC

Elizabeth French
CHAIR, CANADIAN RESPIRATORY HEALTH PROFESSIONALS
Alberta Health
Edmonton, AB

John Gjevre
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