



OMSOC

Occupational Medicine Specialists of Canada

ANNUAL SCIENTIFIC MEETING

**Occupational Medicine and
the COVID-19 Pandemic**

February 5-6, 2021

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This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification (MOC) program of the Royal College of Physicians and Surgeons of Canada and accredited by the Division of Continuing Medical Education, College of Medicine, University of Saskatchewan for up to 8.0 MOC credit hours.

CONFERENCE OBJECTIVES



Following this conference, participants will be able to:

- Explain how long COVID-19 is diagnosed, supported, and managed and describe unanswered research questions on long COVID-19
- Describe the virology and immune response of SARS-COV-2 as well as approaches to vaccine development
- Explain importance of responses such as border controls and contact tracing can mitigate impact of the SARS-COV-2 virus on a population, using New Zealand as an example.
- Describe how mental health, remote work, and widespread home-working present unique and significant risks to health and well being for workers during the pandemic
- Explain ways to help ensure business continuity and success during a pandemic from an occupational medicine perspective including testing, contact tracing, rapid decision making, and collaboration
- Describe how the hierarchy of controls applies to a large scale mining environment during the pandemic
- Describe important ways that occupational medicine can help manage a health care systems response to the pandemic

PROGRAM

DAY 1 | *FEBRUARY 5, 2021*

OVERALL EVALUATION

TIME (ET)	DESCRIPTION
1:00 PM	WELCOME AND INTRODUCTION
1:15 PM	LONG COVID: Known knowns, known unknowns and unknown unknowns SPEAKER: Trish Greenhalgh
2:00 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>
2:15 PM	COVID-19 virology and transmission: the Canadian experience SPEAKER: Samira Mubareka
3:00 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>
3:15 PM	AFTERNOON BREAK
3:30 PM	Sorting out COVID the New Zealand way SPEAKER: David McBride
4:15 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>
4:30 PM	Occupational Medicine during COVID-19, a time to lead for better health and work outcomes
5:15 PM	SPEAKER: Richard Heron Interactive Q&A Session <u>SESSION EVALUATION</u>
5:30 PM	Honda Pandemic Response to Date SPEAKER: John Brennan
6:15 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>

PROGRAM

DAY 2 | *FEBRUARY 6, 2021*

OVERALL EVALUATION

TIME (ET)	DESCRIPTION
10:25 AM	DAY 2 WELCOME AND INTRODUCTION
10:30 AM	Applying the Hierarchy of COVID Controls for Large Surface Mining Operations SPEAKER: Dan Sarkany + Taylor Burgess
11:15 AM	Interactive Q&A Session <u>SESSION EVALUATION</u>
11:30 AM	Workplaces and COVID-19: Occupational Health and Safety Considerations for Reopening and Operating During the Pandemic SPEAKER: Victoria Arrandale
12:15 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>
12:30 PM	AFTERNOON BREAK
12:45 PM	Health Care System Response to COVID-19 and the Role of Occupational Medicine SPEAKER: Steve Tsekrekos
1:30 PM	Interactive Q&A Session <u>SESSION EVALUATION</u>
1:45 PM	CONFERENCE WRAP-UP AND CLOSING REMARKS

SPEAKERS



TRISH GREENHALGH

LONG COVID: KNOWN KNOWNS, KNOWN UNKNOWNNS AND UNKNOWN UNKNOWNNS

Following this presentation, participants will be better able to:

- Diagnose long COVID-19
- Support and manage people with long COVID-19
- Understand the key unanswered research questions on long COVID-19

Trish Greenhalgh is Professor of Primary Care Health Sciences and Fellow of Green Templeton College at the University of Oxford. She studied Medical, Social and Political Sciences at Cambridge and Clinical Medicine at Oxford before training first as a diabetologist and later as an academic general practitioner. She has a doctorate in diabetes care and an MBA in Higher Education Management. She leads a programme of research at the interface between the social sciences and medicine, working across primary and secondary care.

Her work seeks to celebrate and retain the traditional and the humanistic aspects of medicine and healthcare while also embracing the unparalleled opportunities of contemporary science and technology to improve health outcomes and relieve suffering. Three particular interests are the health needs and illness narratives of minority and disadvantaged groups; the introduction of technology-based innovations in healthcare; and the complex links (philosophical and empirical) between research, policy and practice.

Trish is the author of over 400 peer-reviewed publications and 16 textbooks. She was awarded the OBE for Services to Medicine by Her Majesty the Queen in 2001 and made a Fellow of the UK Academy of Medical Sciences in 2014. She is also a Fellow of the UK Royal College of Physicians, Royal College of General Practitioners, Faculty of Clinical Informatics and Faculty of Public Health.

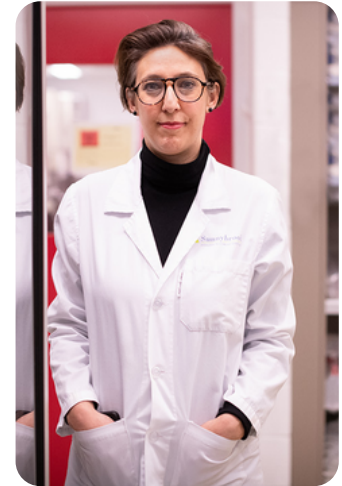
SPEAKERS

SAMIRA MUBAREKA

COVID-19 VIROLOGY AND TRANSMISSION: THE CANADIAN EXPERIENCE

Following this presentation, participants will be better able to:

- Summarize the emergence and virology of SARS-COV-2
- Identify the immune response of COVID-19
- Discuss the approach to vaccine development for SARS-COV-2



Dr. Samira Mubareka, MD, FRCPC

Infectious Diseases Consultant, Medicine, Division of Infectious Disease, and Microbiologist, Sunnybrook Health Sciences Centre, Toronto

Assistant Professor, Laboratory Medicine and Pathobiology, University of Toronto

In the early days of the COVID-19 pandemic, Dr. Mubareka and colleagues isolated the SARS-CoV-2 virus in a Level 3 containment facility. It is now the principle source of SARS-CoV-2 to most academic CL3 laboratories across the country.

Dr. Mubareka serves on the Chief Science Advisor of Canada's COVID-19 Expert Panel, the Implementation Committee of the Canadian COVID-19 Genomics Network (CanCOGeN) Viral Sequencing Project (Genome Canada) and the Ontario Genomics' Steering Committee for the Ontario COVID-19 Genomics Rapid Response Coalition. She is also the Chair of the Ontario Academic Health Sciences SARS-CoV-2 Sequencing Network (ONS2). She has collaborated extensively with fluid dynamics engineers and others to fill gaps in the understanding of viral bioaerosol dispersion.

In 2020, Dr. Mubareka formed the Sunnybrook Translational Research Program for Emerging and Respiratory Viruses (SERV) to focus on viral genomics, transmission and the development of medical countermeasures.

SPEAKERS



DAVID MCBRIDE

SORTING OUT COVID THE NEW ZEALAND WAY

Following this presentation, participants will be better able to:

- Recognise how border controls can stop the import of the virus.
- Describe how adequate contact tracing is an essential step in controlling community transmission.
- Understand some of the critical factors in controlling COVID 19

Dave qualified MB BCH BAO from Queens University Belfast in 1981. After an engagement with the ENT training process, he did his initial occ med training with the British Coal Corporation as an assistant area medical officer in the Wales and Western Group, undertaking academic training at the University of Birmingham where he was appointed Clinical Lecturer, taking up a full time post there in 1991 and completing the MFOM in 1993.

In 1995 he moved to New Zealand and a post at the University of Otago, his clinical interests lying in the effects of physical agents (noise and vibration) chemical agents (particularly persistent organochlorine compounds and dioxins), musculoskeletal disorders and military medicine.

As a reservist since 1975, he has seen tours of duty in Northern Ireland, East Timor and Afghanistan. His recent research has been in the health of contemporary Veterans, and despite semi retiring has just started a project on exposure to erionite in New Zealand. During the COVID 'lock down' he helped assess vulnerable staff for the Southern District Health Board.

SPEAKERS

JOHN BRENNAN

HONDA PANDEMIC RESPONSE TO DATE

Following this presentation, participants will be better able to:

- Recognize that a pandemic response requires a nimble and cross-functional approach
- Explain the importance of assuming responsibility for testing and tracing for business continuity and success during a pandemic
- Discuss that medical decisions will need to be made quickly in the absence of firm evidence and re-evaluated regularly
- Evaluate the liaison with public health and the Ministry of labor in enhancing business continuity



Dr Brennan is a graduate engineer and physician that has diverse training and experience in Family Medicine, Occupational Medicine, Emergency Medicine, and Sports Medicine.

He has been in practise since 1987 and currently acts as Medical Director to multiple companies in the automotive and construction sectors. His primary work is being the medical director for Honda of Canada Mfg. Since 2000.

SPEAKERS



Dan Sarkany

DAN SARKANY AND TAYLOR BURGESS

APPLYING THE HIERARCHY OF COVID CONTROLS FOR LARGE SURFACE MINING OPERATIONS

Following this presentation, participants will be better able to:

- Recognize the importance of the hierarchy of controls during the COVID-19 pandemic
- Determine the relative importance of occupational hygiene controls in a mining environment for the COVID-19 pandemic
- Discuss the practical considerations of mining during the COVID-19 pandemic
- Enhancement of controls through technology and innovation

Dan Sarkany is the Lead for Occupational Hygienist and Taylor Burgess is the Lead for Health and Safety at Teck Coal Limited. They are responsible for coordinating health and safety initiatives across 4 active surface mines, 2 surface mines in closure activity and multiple water treatment facilities.

These operations overall have a workforce population of nearly 5,000 employees and up to 3,000 contractors. Both live and work in the Elk Valley of Southeastern British Columbia adjacent to these mines and their workforce.

Dan Sarkany has a MSc Occupational Hygiene.

Taylor Burgess is currently working towards a MSc Occupational Hygiene and is a CRBOH Registered Occupational Hygiene Technologist.

Both have been instrumental in developing initiatives to prevent the transmission of COVID-19 at Teck Coal operations.



Taylor Burgess

SPEAKERS

RICHARD HERON

OCCUPATIONAL MEDICINE DURING COVID-19, A TIME TO LEAD FOR BETTER HEALTH AND WORK OUTCOMES

Following this presentation, participants will be better able to:

- Understand why pandemic risk should be an enduring risk on the risk register for most multi-national corporations
- Give at least three reasons why mental distress is a significant risk to be managed in health care workers during a pandemic
- Describe specific challenges in managing pandemic risks in remote environments
- Describe the additional risks to health and wellbeing arising from widespread home-working



Richard is the Vice-President Health and Chief Medical Officer at BP with responsibility for leading BP's Health strategy. This includes including wellbeing, occupational health, industrial hygiene for over 70,000 employees, and Community and Public Health matters in the countries where BP operate. He co-chairs the International Occupational Medicine Society Collaboration (IOMSC), an association of 47 National Occupational Medicine Societies, and currently serves on the UK NHS staff health and wellbeing Board. He is past-President of the UK Faculty and Society of Occupational Medicine, a Fellow of the Royal College of Physicians (London, Edinburgh), and a fellow ACOEM.

He trained in internal medicine in UK and Auckland, New Zealand, before specializing in Occupational Medicine. Before joining BP, Richard was Head of Global Safety, Health and Risk Management at AstraZeneca pharmaceuticals. Richard is honorary professorial fellow of International Business and Health, Division of Psychiatry and Applied Psychology, University of Nottingham School of Medicine.

His specialist interests include the relationship between good health, good work productivity and work-related mental health. He has worked with a variety of expert advisory groups with UK Government departments of Health, and Work and Pensions, and Public Health England.

SPEAKERS



STEVE TSEKREKOS

HEALTH CARE SYSTEM RESPONSE TO COVID-19 AND THE ROLE OF OCCUPATIONAL MEDICINE

Following this presentation, participants will be better able to:

- Recognize opportunities to apply an occupational medicine skill set to pandemic-related issues
- Apply epidemiological and industrial hygiene data in the development of risk communication messaging
- Navigate through competing risk priorities when establishing a balanced risk management approach

Dr. Tsekrekos has been the Medical Director for Workplace Health & Safety at Alberta Health Services for the past seven years. Since January 2020, his main focus at AHS has been COVID-19; in addition to his WHS leadership role, he has contributed to AHS' Emergency Coordination Centre, Personal Protective Equipment Task Force, Acute Care Outbreak Task Force, COVID-19 Scientific Advisory Group, Aerosol-Generating Medical Procedure Working Group, and COVID-19 Vaccine Task Force.

Dr. Tsekrekos completed his medical degree at the University of Calgary and his occupational medicine specialty training at the University of Alberta. Prior to his role at AHS, Dr. Tsekrekos worked in Ottawa at the Department of National Defence as the occupational medicine specialist for the Canadian Forces and as a Reserve Artillery Officer. Outside of his AHS role, Dr. Tsekrekos leads an interactive tutorial group as part of the University of Alberta Foundations Course in Occupational Medicine, serves on the Board of Directors for OMSOC, and provides consultative support to the Workers' Compensation Board of Nova Scotia.

SPEAKERS

VICTORIA ARRANDALE

WORKPLACES AND COVID-19: OCCUPATIONAL HEALTH AND SAFETY CONSIDERATIONS FOR REOPENING AND OPERATING DURING THE PANDEMIC

Following this presentation, participants will be better able to:

- Summarize the occupational health and safety prevention practices that will support the safer reopening and ongoing operation of workplaces during the COVID-19 pandemic
- Describe the evidence-informed guidance that workplaces can use to implement safe work practices
- Discuss the importance of occupational health as a critical part of public health



Victoria Arrandale is an Assistant Professor in the Dalla Lana School of Public Health at the University of Toronto and the Associate Director of the Occupational Cancer Research Centre. Dr. Arrandale's research focusses on the measurement and prevention of workplace exposures. Her research has examined exposures in a variety of workplaces including mining, construction, nail salons and electronic waste recycling facilities. In collaboration with the CSA Group, Victoria led the rapid research report on reopening and operative workplaces during the COVID-19 pandemic.

DISCLOSURES

OMSOC 2021 ASM Planning Committee

DR. ANIL ADISESH

No actual or potential conflict of interest in relation to this program.

DR. MICHAEL SCHWEIGERT

No actual or potential conflict of interest in relation to this program.

DR. TOM LAWLEY

No actual or potential conflict of interest in relation to this program.

DR. NIELS KOEHNCKE

No actual or potential conflict of interest in relation to this program.

DR. JEREMY BEACH

No actual or potential conflict of interest in relation to this program.

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No actual or potential conflict of interest in relation to this program.

DR. SCOTT KAPOOR

No actual or potential conflict of interest in relation to this program.

DR. MATTHEW LAUZON

No actual or potential conflict of interest in relation to this program.

DR. STEVEN TSEKREKOS

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