



## CANADIAN CRITICAL CARE REVIEW (CCCR)

### 2021 Webinar Series: Part 1

Thursday, March 18, 2021

#### Learning Objectives

The learning objectives are developed based on the Royal College of Physicians and Surgeons of Canada objectives of training in Adult Critical Care.

By the end of the program, participants will be able to:

1. Describe evidence-based approaches to assessment of adult patients with critical illness;
2. Develop and implement evidence-based management plans for adult patients with critical illness.

Each session is 45 minutes with a minimum of 25% dedicated to participant interaction.

*All times noted in the program are in Eastern Time Zone (ET)*

Time (ET)	Session	Faculty
11:45 a.m. – 12:00 p.m.	Virtual Check-In	
12:00 p.m. – 12:05 p.m.	Welcome	Program Chairs
12:05 p.m. – 12:50 p.m.	<b>Infection Prevention &amp; Control in the ICU</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• assess different modes of infection transmission in intensive care units;</li> <li>• identify the impact of COVID19 infection control policies on clinical care;</li> <li>• assess common pathogens in the critically ill, and optimal strategies for infection prevention and control.</li> </ul>	Srinivas Murthy
12:50 p.m. – 12:55 p.m.	Break / Session Evaluation	
12:55 p.m. – 1:40 p.m.	<b>Pandemic Management</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• assess the principles underlying common triage frameworks for the allocation of limited critical care resources;</li> <li>• identify the alternatives to a triage approach, and why these are likely to result in more preventable deaths and a greater threat to human rights.</li> </ul>	James Downar
1:40 p.m. – 1:45 p.m.	Break / Session Evaluation	
1:45 p.m. – 2:30 p.m.	<b>Wellness &amp; Burnout</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• assess the influence of “the culture of medicine” on one's definition of wellbeing and resilience;</li> </ul>	Shelly Dev

	<ul style="list-style-type: none"> <li>• identify the unique challenges the pandemic period has created for physician health and wellbeing;</li> <li>• assess opportunities by which an individual can create culture change.</li> </ul>	
2:30 p.m. – 2:35 p.m.	Break / Session Evaluation	
2:35 p.m. – 3:20 p.m.	<b>Acute Respiratory Failure: ARDS</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review the diagnostic criteria for patients with ARDS;</li> <li>• describe the therapeutic approach to managing the patient with ARDS.</li> </ul>	Ken Parhar
3:20 p.m. – 3:25 p.m.	Break / Session Evaluation	
3:25 p.m. – 4:10 p.m.	<b>Non-Invasive Mechanical Ventilation / HFNC (High Flow)</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• describe the physiological effects of noninvasive ventilation and nasal high-flow therapy;</li> <li>• outline noninvasive ventilation and nasal high-flow therapy;</li> <li>• assess the risks, the limitations and the unknown of each technique in each indication.</li> </ul>	Laurent Brochard
4:10 p.m. – 4:20 p.m.	Session Evaluations – Completion of all	
4:20 p.m. – onwards	Please visit the exhibit hall located in the portal at your leisure!	

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 3.0 hours (credits are automatically calculated).

This activity is an Accredited Self-Assessment Program (Section 3) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 1.0 hours (credits are automatically calculated).

Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.





## CANADIAN CRITICAL CARE REVIEW (CCCR)

### 2021 Webinar Series: Part 2

Thursday, April 15, 2021

#### Learning Objectives

The learning objectives are developed based on the Royal College of Physicians and Surgeons of Canada objectives of training in Adult Critical Care.

By the end of the program, participants will be able to:

1. Describe evidence-based approaches to assessment of adult patients with critical illness;
2. Develop and implement evidence-based management plans for adult patients with critical illness.

Each session is 45 minutes with a minimum of 25% dedicated to participant interaction.

*All times noted in the program are in Eastern Time Zone (ET)*

Time (ET)	Session	Faculty
11:45 a.m. – 12:00 p.m.	Virtual Check-In	
12:00 p.m. – 12:05 p.m.	Welcome	Program Chairs
12:05 p.m. – 12:50 p.m.	<b>Toxicology and Drug Overdoses</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• describe the clinical presentations for common intoxications and overdoses in critically ill patients;</li> <li>• identify specific management strategies and key antidotes used in critically ill patients and toxicology;</li> <li>• examine important differences in managing shock in a poisoned patient.</li> </ul>	Alya Kamani
12:50 p.m. – 12:55 p.m.	Break / Session Evaluation	
12:55 p.m. – 1:40 p.m.	<b>Sepsis</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• assess pathogenesis and immune response to sepsis;</li> <li>• review the diagnostic criteria for sepsis;</li> <li>• review treatment of septic illnesses; and</li> <li>• assess preventative infection control techniques.</li> </ul>	Bram Rochweg
1:40 p.m. – 1:45 p.m.	Break / Session Evaluation	
1:45 p.m. – 2:30 p.m.	<b>Cardiovascular care of ICU patients</b> At the end of this session, participants will be able to:	Jeff Shaw

	<ul style="list-style-type: none"> <li>interpret common critical care ultrasound and echocardiogram images. Be able to direct care through ultrasound interpretation;</li> <li>interpret pressure volume loops and venous return tracings in normal and pathological states;</li> <li>identify different causes of cardiogenic shock and acute heart failure in order to guide treatment decisions.</li> </ul>	
2:30 p.m. – 2:35 p.m.	Break / Session Evaluation	
2:35 p.m. – 3:20 p.m.	<b>Arrhythmias</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>apply a diagnostic approach to arrhythmias encountered in the ICU;</li> <li>identify principles of management.</li> </ul>	Shaheeda Ahmed
3:20 p.m. – 3:25 p.m.	Break / Session Evaluation	
3:25 p.m. – 4:10 p.m.	<b>Nutrition in the ICU</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>assess the caloric and nutrient requirements in critically ill patients;</li> <li>indicate specific nutritional therapies (enteral vs. parenteral);</li> <li>identify the role/utility of metabolic assessments in the ICU – monitoring response to therapy.</li> </ul>	Kristen MacEachern
4:10 p.m. – 4:20 p.m.	Session Evaluations – Completion of all	
4:20 p.m. – onwards	Please visit the exhibit hall located in the portal at your leisure!	

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 2.75 hours (credits are automatically calculated).

This activity is an Accredited Self-Assessment Program (Section 3) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 1.25 hours (credits are automatically calculated).

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## CANADIAN CRITICAL CARE REVIEW (CCCR)

### 2021 Webinar Series: Part 3

Thursday, May 6, 2021

#### Learning Objectives

The learning objectives are developed based on the Royal College of Physicians and Surgeons of Canada objectives of training in Adult Critical Care.

By the end of the program, participants will be able to:

1. Describe evidence-based approaches to assessment of adult patients with critical illness;
2. Develop and implement evidence-based management plans for adult patients with critical illness.

Each session is 45 minutes with a minimum of 25% dedicated to participant interaction.

*All times noted in the program are in Eastern Time Zone (ET)*

Time (ET)	Session	Faculty
11:45 a.m. – 12:00 p.m.	Virtual Check-In	
12:00 p.m. – 12:05 p.m.	Welcome	Program Chairs
12:05 p.m. – 12:50 p.m.	<b>Gastroenterology in ICU</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• assess the differential diagnosis and management of GI bleeding in the ICU in patients with and without liver disease;</li> <li>• review management and prognosis in patients with severe pancreatitis.</li> </ul>	Dean Karvellas
12:50 p.m. – 12:55 p.m.	Break / Session Evaluation	
12:55 p.m. – 1:40 p.m.	<b>Endocrine Emergencies</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review the Endocrine emergencies in the context of their presentation to the Intensive Care Unit for the purposes of your Royal College exam but also for the purposes of your practice;</li> <li>• identify the pathophysiology behind their presentation;</li> <li>• identify the potential pitfalls in "standard" treatment in critically ill patients.</li> </ul>	Hilary Meggison
1:40 p.m. – 1:45 p.m.	Break / Session Evaluation	
1:45 p.m. – 2:30 p.m.	<b>Deceased Donation and the Role of the Intensivist</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review the role of the intensivist in the deceased organ donation process; and</li> <li>• review the principles of donor identification and referral, donation after circulatory or</li> </ul>	Sam Shemie

	neurological determination of death, and donor management.	
2:30 p.m. – 2:35 p.m.	Break / Session Evaluation	
2:35 p.m. – 3:20 p.m.	<b>The Recovery Journey / Frail Populations</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review outcomes after critical illness for patients and families;</li> <li>• review risk factors for disability and poor HRQoL after critical illness for patients and families with a focus on frailty;</li> <li>• assess the current research on COVID-19 and extrapolate relevant information from the ARDS and SARS literature.</li> </ul>	Margaret Herridge
3:20 p.m. – 3:30 p.m.	Session Evaluations – Completion of all	
3:30 p.m. – onwards	Please visit the exhibit hall located in the portal at your leisure!	

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 2.2 hours (credits are automatically calculated).

This activity is an Accredited Self-Assessment Program (Section 3) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 1 hours (credits are automatically calculated).

Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.





## CANADIAN CRITICAL CARE REVIEW (CCCR)

### 2021 Webinar Series: Part 4

Thursday, June 24, 2021

#### Learning Objectives

The learning objectives are developed based on the Royal College of Physicians and Surgeons of Canada objectives of training in Adult Critical Care.

By the end of the program, participants will be able to:

1. Describe evidence-based approaches to assessment of adult patients with critical illness;
2. Develop and implement evidence-based management plans for adult patients with critical illness.

Each session is 45 minutes with a minimum of 25% dedicated to participant interaction.

*All times noted in the program are in Eastern Time Zone (ET)*

Time (ET)	Session	Faculty
11:45 a.m. – 12:00 p.m.	Virtual Check-In	
12:00 p.m. – 12:05 p.m.	Welcome	Program Chairs
12:05 p.m. – 12:50 p.m.	<b>Weaning - Mechanical Ventilation</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• describe the 3 epidemiologic weaning groups and their respective prognoses;</li> <li>• apply evidence-based methods for screening and testing patients to identify those ready for extubation;</li> <li>• formulate a management plan for difficult to wean patients.</li> </ul>	Karen Bosma
12:50 p.m. – 12:55 p.m.	Break / Session Evaluation	
12:55 p.m. – 1:40 p.m.	<b>Acute Kidney Injury &amp; Renal Replacement Therapies</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review principles and application of the different modes of dialysis used in critically ill patients;</li> <li>• describe the evidence supporting treatments for acute renal failure in critically ill patients.</li> </ul>	Jan Friedrich
1:40 p.m. – 1:45 p.m.	Break / Session Evaluation	
1:45 p.m. – 2:30 p.m.	<b>Infectious Diseases in the ICU</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>• review common ICU infections and their management;</li> <li>• recognize infections not to be missed in the critically ill;</li> </ul>	Wendy Sligl

	<ul style="list-style-type: none"> <li>describe mechanisms of antimicrobial resistance including example pathogens.</li> </ul>	
2:30 p.m. – 2:35 p.m.	Break / Session Evaluation	
2:35 p.m. – 3:20 p.m.	<b>Neurological Critical Care</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>describe a best-practice approach to the management of subarachnoid hemorrhage;</li> <li>review the evidence-based treatment of intracerebral hemorrhage;</li> <li>develop a stepwise approach to the management of status epilepticus.</li> </ul>	Victoria McCredie
3:20 p.m. – 3:25 p.m.	Break / Session Evaluation	
3:25 p.m. – 4:10 p.m.	<b>ICU Hematology</b> At the end of this session, participants will be able to: <ul style="list-style-type: none"> <li>assess the work up and management of thrombocytopenia in the ICU;</li> <li>review current evidence and best practice concerning anticoagulation in COVID-19 and sepsis;</li> <li>employ a practical approach to the management of thrombosis in critically ill patients.</li> </ul>	Ryan Zarychanski
4:10 p.m. – 4:20 p.m.	Session Evaluations – Completion of all	
4:20 p.m. – onwards	Please visit the exhibit hall located in the portal at your leisure!	

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 2.75 hours (credits are automatically calculated).

This activity is an Accredited Self-Assessment Program (Section 3) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 1.25 hours (credits are automatically calculated).

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## CANADIAN CRITICAL CARE REVIEW (CCCR)

### 2021 Webinar Series: Part 5

### Thursday, July 15, 2021

Each session will end with a live Q&A period.

*All times noted in the program are in Eastern Time Zone (ET)*

Time (ET)	Session	Faculty
11:45 a.m. – 12:00 p.m.	Virtual Check-In	
12:00 p.m. – 12:05 p.m.	Welcome	Program Chairs
12:05 p.m. – 1:30 p.m.	<b>Global Critical Care</b>	
12:05 p.m. – 12:15 p.m.	The Worldwide Burden of Critical Illness	Neill Adhikari
12:15 p.m. – 12:30 p.m.	Caring for Critically Ill Patients in Africa: The Ethiopian Experience	Finot Debebe
12:30 p.m. – 12:45 p.m.	Caring for Critically Ill Patients in Asia: the Nepalese Experience	Subhash Acharya
12:45 p.m. – 1:00 p.m.	Caring for Critically Ill Patients During a Humanitarian Crisis	James Lee
1:00 p.m. – 1:15 p.m.	Conducting Research in Resource-Limited Settings	Luigi Pisani
1:15 p.m. – 1:30 p.m.	Q&A with panel	ALL
1:30 p.m. – 1:35 p.m.	Break / Session Evaluation	
1:35 p.m. – 2:35 p.m.	<b>Fatigue Risk Management</b>	
1:35 p.m. – 2:20 p.m.	Panel of preset questions <i>Military panelist</i> <i>Aviation panelist</i> <i>EMS panelist</i>	Ben Wierstra Elizabeth Mitches Daniel Patterson
2:20 p.m. - 2:35 p.n.	Open Q&A with panel	ALL
2:35 p.m. – 2:40 p.m.	Break / Session Evaluation	
2:40 p.m. – 3:25 p.m.	<b>Lifelong Learning</b>	
2:40 p.m. – 3:20 p.m.	Presentation	Deborah Cook
3:20 p.m. – 3:25 p.m.	Q&A	
3:25 p.m. – 3:35 p.m.	Session Evaluations – Completion of all	

## **Thank You to Our Sponsors**

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Gilead Sciences Canada, Inc.  
MD Financial Management and Scotiabank



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