May 19, Friday

POSTGRADUATE COURSE: PG3 LOOK BEFORE YOU LEAP: SKILLS FOR CRITICAL EVALUATION OF CLINICAL RESEARCH
8:00 a.m. - 4:00 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 204 B-C (South Building, Level 2)

12:50 CON: Clinical Practice Guidelines, “Genius Abhors a Consensus”
B.P. Kavanagh, MD, Toronto, Canada

1:15 Small Group Discussion I
B.P. Kavanagh, MD, Toronto, Canada

3:15 Small Group Discussion II: Putting It All Together
B.P. Kavanagh, MD, Toronto, Canada

May 20, Saturday

POSTGRADUATE COURSE: PG14 RACING TO EXCELLENCE: THE ART AND SCIENCE OF CRITICAL CARE QUALITY IMPROVEMENT
8:00 a.m. - 4:00 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 209 A-B (South Building, Level 2)

Chairing: A. Amaral, MD, Toronto, Canada

10:20 Breakout Session I- Implementing the ABCDE Bundle
A. Amaral, MD, Toronto, Canada

11:20 QI Evaluation: Show Me the Data! How to Measure Implementation and Patient-Centered Outcomes
A. Amaral, MD, Toronto, Canada

12:40 Breakout Session II- Implementing the ABCDE Bundle
A. Amaral, MD, Toronto, Canada

2:00 QI Implementation: My Mistakes in Trying to Implement and How to Avoid Repeating Them
G.D. Rubenfeld, MD, MSc, Toronto, Canada

2:20 Breakout Session III- Implementing the ABCDE Bundle
A. Amaral, MD, Toronto, Canada

3:00 QI Team Reports and Debrief
A. Amaral, MD, Toronto, Canada
May 21, Sunday

MINI SYMPOSIUM:

A15 CRITICAL CARE: THE FUTURE OF CRITICAL CARE? REGIONALIZATION AND CLOSING THE GENDER GAP
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 146 C (Middle Building, Street Level)

Chairing: G.D. Rubenfeld, MD, MSc, Toronto, Canada

Oral Presentations:


POSTER DISCUSSION SESSIONS:

A22 HEALTH SERVICES HIGHLIGHTS IN CRITICAL CARE
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 209 A-C (South Building, Level 2)

715 Hospital ICU Admission Patterns for Pneumonia Are Stable from Year to Year/T.S. Valley, H.C. Prescott, H. Wunsch, T.J. Iwashyna, C.R. Cooke, Ann Arbor, MI, p.A1088

A102 TRANSPLANTATION: ADVANCES AND CHALLENGES
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 150 B (Middle Building, Street Level)


A104 CRITICAL CARE: IMPROVING ICU EXERCISE, REHABILITATION, RECOVERY, AND SURVIVORSHIP
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)

A105 CRITICAL CARE: IMPROVING PROGNOSTICATION IN CRITICAL ILLNESS
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 B (Middle Building, Street Level)


A107 PEDIATRIC CARDIOVASCULAR DISEASE AND CRITICAL CARE
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 201 (South Building, Level 2)


RAPID ABSTRACT POSTER DISCUSSION:

A25 CRITICAL CARE: HOW TO GET IT DONE IN THE ICU - TOOLS AND TRICKS OF IMPLEMENTATION IN CRITICAL CARE
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)

Chairing: A. Amaral, MD, Toronto, Canada

THEMATIC POSTER SESSIONS:

A38 IMPROVING QUALITY AND OUTCOMES OF CRITICAL CARE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)


A50 CRITICAL CARE: GETTING STRONGER - MEASURING AND IMPROVING FUNCTION IN ICU SURVIVORS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)

A51 CRITICAL CARE: RISK STRATIFICATION AND PROGNOSTICATION - FROM BEDSIDE TO BIG DATA
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)

Facilitators: H. Wunsch, MD, MSc, Toronto, Canada

A53 CRITICAL CARE: PROBLEMS RELATED TO INTUBATION, WEANING, AND EXTUBATION
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)

Facilitators: N.D. Ferguson, MD, MSc, Toronto, Canada; J. Chen, MD, Bronx, NY


A54 CRITICAL CARE: OUTCOMES IN RESPIRATORY FAILURE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)

Facilitators: S. Mehta, MD, Toronto, Canada


A58 CRITICAL CARE CASE REPORTS: NEURO-CRITICAL CARE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area M, Hall B-C (Middle Building, Lower Level)

Facilitators: A. Goffi, MD, Toronto, Canada

A62 TREATMENT OF TUBERCULOSIS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

A79 TAKING CONTROL OF BREATHING: RESPIRATORY MUSCLES, INNERVATION, AND GAS EXCHANGE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area G, Hall B-C (Middle Building, Lower Level)


A68 WOW: PHARMACOLOGICAL TREATMENT OF PULMONARY HYPERTENSION
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area O, Hall B-C (Middle Building, Lower Level)


CLINICAL CAREER DEVELOPMENT FORUM:

WS2 GLOBAL HEALTH CAREERS IN PULMONARY AND CRITICAL CARE MEDICINE
11:45 a.m. - 1:15 p.m.
MARRIOTT MARQUIS WASHINGTON, Capitol/Congress (Level M4)

Chairing: A. Papali, MDCM, Baltimore, MD; N.K. Adhikari, MD, Toronto, Canada

12:43 WHO Consulting
R. Fowler, MD, MDCM, MSc, Toronto, Canada

CRITICAL CARE TRACK:

A84 THE NEW ENGLAND JOURNAL OF MEDICINE AND JAMA. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED CRITICAL CARE RESEARCH
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 207 A-B (South Building, Level 2)

Accuracy of Clinician Predictions for Survival and Functional Outcomes After ICU Admission
M. Detsky, MD, Toronto, Canada

SCIENTIFIC SYMPOSIUM:

A90 MAKING NEW LINKS: MECHANISMS OF ORGAN FAILURE IN SEPSIS AND ARDS
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 146 A-B (Middle Building, Street Level)

Chairing: C.C. Dos Santos, MD, Toronto, Canada; J. Marshall, MD, Toronto, Canada

3:55 Contextualizing Sepsis Research: Where Are the Translational Signals Pointing To?
J. Marshall, MD, Toronto, Canada
MINI SYMPOSIUM:

B16 CRITICAL CARE: NEW INSIGHTS FROM CLINICAL TRIALS
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 146 C (Middle Building, Street Level)

Chairing: M.S. Herridge, MD, MPH, Toronto, Canada


POSTER DISCUSSION SESSIONS:

B24 CRITICAL CARE: ACUTE RESPIRATORY FAILURE - MECHANICAL VENTILATION AND BEYOND
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)


320 Body Mass Index and Outcome in Patients with Acute Respiratory Distress Syndrome Ventilated by High Frequency Oscillatory Ventilation or Conventional Ventilation/H. Tlayjeh, Y.M. Arabi, N. Ferguson, F. Lamontagne, A.C. Arroliga, V. Danesh, G. Dominguez-cherit, E. Jimenez, A. Mullaly, B. Staub, M.O. Meade, Riyadh, Saudi Arabia, p.A3026


B105 CRITICAL CARE: MECHANISTIC AND TRANSLATIONAL INSIGHTS INTO ARDS
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 150 B (Middle Building, Street Level)

Chairing: Dos Santos, MD, Toronto, Canada
THEMATIC POSTER SESSIONS:

B36 MACROPHAGES: BASIC AND TRANSLATIONAL STUDIES
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)


B37 INNOVATIONS IN PROFESSIONAL EDUCATION
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area B, Hall B-C (Middle Building, Lower Level)


B48 COPD AND COMORBIDITIES
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

P404 Does Vertebral Deformity Contribute to Pain in Chronic Obstructive Pulmonary Disease (COPD)?/Y.-W. Chen, H.O. Coxson, S. Lam, W.D. Reid, Vancouver, Canada, p.A3637

B49 COPD: SYMPTOM AND CLINICAL ASSESSMENT
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

P441 A Comparison of Symptoms in Individuals with Chronic Obstructive Pulmonary Disease/Y.-W. Chen, J.D. Road, P.G. Camp, W.D. Reid, Vancouver, Canada, p.A3673

B50 CRITICAL CARE: BEYOND THE VENTILATOR - NON-INVASIVE VENTILATION, HIGH FLOW OXYGEN, AND NON-CONVENTIONAL VENTILATION
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area M, Hall B-C (Middle Building, Lower Level)


B51 CRITICAL CARE: MANAGING AN ICU - WHO COMES IN AND PREVENTING COMPLICATIONS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area M, Hall B-C (Middle Building, Lower Level)

P1319 Prevalence of Oral Care Application Difficulty in Mechanically Ventilated Adults/C.M. Dale, L. Burry, O. Smith, L. Rose, Toronto, Canada, p.A3718


B54 CRITICAL CARE: GOLDFILOCKS SYNDROME - GETTING THE PRESSURE AND VENT “JUST RIGHT” IN ARDS AND ACUTE RESPIRATORY FAILURE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area M, Hall B-C (Middle Building, Lower Level)

Facilitators: L.J. Brochard, MD, Toronto, Canada; T. Mauri, MD, Milan, Italy


B57 CRITICAL CARE CASE REPORTS: ACID-BASE, ELECTROLYTE, AND ENDOCRINE ABNORMALITIES
9:15 a.m. - 4:15 p.m
WALTER E. WASHINGTON CONVENTION CENTER, Area M, Hall B-C (Middle Building, Lower Level)

P1435 “Euglycemic” Diabetic Ketoacidosis in the Perioperative Period: Why Gliflozins May Not Be so Sweet After All/S. Lane, S. Mohammed, D. Paskar, A. Goffi, Toronto, Canada, p.A3825

B67 INTERESTING AND UNUSUAL PEDIATRIC CASE REPORTS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area F, Hall B-C (Middle Building, Lower Level)

B74 PULMONARY REHABILITATION FOR NON-COPD DIAGNOSES
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area B, Hall B-C (Middle Building, Lower Level)

P167 Oxygen Requirements and Relationship to Exercise Capacity and Aerobic Training in Advanced Interstitial Lung Disease/L. Wickerson, D. Brooks, D. Reid, J. Granton, L.G. Singer, S. Mathur, Toronto, Canada, p.A4282

B80-D EVERYTHING YOU WANTED TO KNOW ABOUT AIRWAY SMOOTH MUSCLE BUT WERE AFRAID TO ASK
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)

P587 Serum from Asthmatic Mice Potentiates the Effects of Mesenchymal Stromal Cells in Experimental Allergic Asthma/S. Abreu, D. Xisto, J. Kitoko, F.F. Cruz, A. Silva, N. Blanco, T. Oliveira, M. Morales, C.C. Dos Santos, D.J. Weiss, P.R. Rocco, Rio de Janeiro, Brazil, p.A4462

SCIENTIFIC SYMPOSIUM:

B92 100 YEARS OF AJRCCM 1917-2017
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 202 A (South Building, Level 2)

2:45 Key Papers That Have Changed Practice: Critical Care
L.J. Brochard, MD, Toronto, Canada
May 23, Tuesday

CLINICAL CRITICAL CARE TRACK:

C4 A STITCH IN TIME: CONTROVERSIES IN CRITICAL CARE BEST PRACTICES AND THEIR EFFECT ON PATIENT CENTERED OUTCOMES
Assemblies on Critical Care; Behavioral Science and Health Services Research
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 146 A-B (Middle Building, Street Level)

10:10 CON: Muscles Can No Longer Be Collateral Damage
M.S. Herridge, MD, MPH, Toronto, Canada

RAPID ABSTRACT POSTER DISRapid Abstract Poster Discussion:

C24 CRITICAL CARE: IMPROVING FAMILY ENGAGEMENT AND PALLIATIVE AND END OF LIFE CARE IN THE ICU
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 B (Middle Building, Street Level)

412 End of Life Care Dynamics in Muslim Patients Admitted to a Tertiary Care Hospital in Saudi Arabia/I. Khalid, R. Qutob, F.N. Yamani, I.A. Qushmaq, T.J. Khalid, R. Fowler, Jeddah, Saudi Arabia, p.A5047

POSTER DISCUSSION SESSIONs:

C23 CRITICAL CARE: WHAT CAN BE MEASURED CAN BE IMPROVED - INVESTIGATING THE EPIDEMIOLOGY AND OUTCOMES OF PATIENTS WITH ACUTE CRITICAL ILLNESS
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 150 B (Middle Building, Street Level)


C102 CRITICAL CARE: PREDICTING AND IDENTIFYING ARDS DEVELOPMENT, SEPSIS AND CLINICAL DETERIORATION
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 209 A-C (South Building, Level 2)

709 Evolution of Patients with Mild ARDS: Insight from the LUNG SAFE Study/T. Pham, C. De Haro, J.A. Lorente, M.J. Schultz, G. Bellani, P. Pelosi, A. Serpa Neto, J. Laffey, L.J. Brochard, A. Pesenti, A. Artigas, Toronto, Canada, p.A6809
C104 ACUTE RESPIRATORY INFECTION: CLINICAL STUDIES
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 144 A-C (Middle Building, Street Level)


THEMATIC POSTER SESSIONS:

C50 CRITICAL CARE: NON-PULMONARY CRITICAL CARE PROBLEMS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

Facilitators: D.C. Scales, MD, PhD, Toronto, Canada


C53 CRITICAL CARE: DELIRIUM AND THE EXPECTED AND UNEXPECTED CONSEQUENCES OF SEDATION/ANALGESIA IN THE ICU
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

Facilitators: E. Wilcox, MD, MSc, Toronto, Canada

C54 CRITICAL CARE: TRANSLATIONAL INSIGHTS INTO ARDS AND SEPSIS - FROM BENCH TO BEDSIDE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)


C55 CRITICAL CARE: CRITICAL CARE IN LOW AND MIDDLE INCOME COUNTRIES
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area D, Hall B-C (Middle Building, Lower Level)

Facilitators: A. Leligdowicz, MD, PhD, Toronto, Canada
C63 VIRAL RESPIRATORY INFECTIONS
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area E, Hall B-C (Middle Building, Lower Level)


C70 CALL MY NAME: CASE REPORTS IN PULMONARY VASCULAR DISEASE
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area J, Hall B-C (Middle Building, Lower Level)

P909 Systemic Thrombolysis for Suspected Massive Pulmonary Embolism in a Patient with Diffuse Large B-Cell Lymphoma with Brain Metastasis and Severe Thrombocytopenia/A. Al-Fares, C. Lee, Toronto, Canada, p.A6188

C76 HEAT SHOCK PROTEIN
9:15 a.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Area N, Hall B-C (Middle Building, Lower Level)

P1510 Identification of Candidate Targets Involved in Bronchoalveolar Protection by Mesenchymal Stem Cells (MSC) in Hypoxic Induced Injury/N. Shologu, N. Dard, D. O'Toole, M. Scully, J. Laffey, Galway, Ireland, p.A6384

MINI SYMPOSIUM:

C95 COPD ADVANCES IN THERAPY
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Ballroom B (South Building, Level 3)

Oral Presentations

2:30 Program of Integrated Care for Patients with Chronic Obstructive Pulmonary Disease and Multiple Comorbidities (PIC COPD+): A Randomized Controlled Trial/L. Rose, L. Istanboulian, L. Carriere, A. Price, L. Lee, S. Rezaie, R. Shefai, I. Fraser, Toronto, Canada, p.A6739

C96 CRITICAL CARE: NEW DISCOVERIES IN ARDS
2:15 p.m. - 4:15 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 145 A-B (Middle Building, Street Level)


May 24, Wednesday

POSTER DISCUSSION SESSIONs:

D24 CRITICAL CARE: THE OTHER HALF OF THE ICU - UPDATE IN MANAGEMENT OF NON-PULMONARY CRITICAL CARE
9:15 a.m. - 11:15 a.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)


D105 CRITICAL CARE: FROM CELL TO MICE TO BEDSIDE - TRANSLATIONAL STUDIES IN SEPSIS AND PNEUMONIA
1:30 p.m. - 3:30 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)

319 Delivery of Human MSC Derived Extracellular Vesicles Directly to the Lung Improves Bacterial Pneumonia Acute Lung Injury/J. Devaney, E. Horan, D. O’Toole, S. Elliman, J. Laffey, R. MacLoughlin, Galway, Ireland, p.A7446

D109 UNDERSTANDING THE MECHANISMS OF ACUTE LUNG INJURY
1:30 p.m. - 3:30 p.m.
MARRIOTT MARQUIS WASHINGTON, Marquis Ballroom 1-2 (Level M2)


D105 CRITICAL CARE: FROM CELL TO MICE TO BEDSIDE - TRANSLATIONAL STUDIES IN SEPSIS AND PNEUMONIA
1:30 p.m. - 3:30 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 151 A (Middle Building, Street Level)

305 Inhibition of Human Pulmonary Microvascular Endothelial Cell Apoptosis Protects Against Septic Barrier Dysfunction/S.E. Gill, L. Wang, S. Mehta, London, Canada, p.A7432


CRITICAL CARE TRACK:

D84 50 YEARS OF ARDS: LOOKING BACK, AND AHEAD
1:30 p.m. - 3:30 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 146 A-B (Middle Building, Street Level)

Chairing: E. Fan, MD, PhD, Toronto, Canada

1:35 A Half Century of ARDS: Progress and Setbacks
A. Slutsky, MD, Toronto, Canada

1:45 Changing Definitions: Progress?
G.D. Rubenfeld, MD, MSc, Toronto, Canada

2:05 Mechanical Ventilation in ARDS: Has Anything Changed in 50 Years?
E. Fan, MD, PhD, Toronto, Canada

RAPID ABSTRACT POSTER DISCUSSION:

D108 CELL FATE DECISIONS: SENESCENCE, REPAIR, AND REGENERATION
1:30 p.m. - 3:30 p.m.
MARRIOTT MARQUIS WASHINGTON, Marquis Ballroom 3-4 (Level M2)


918 Human Mesenchymal Stromal Cell Derived Conditioned Medium Delivered Directly to the Lung Ameliorates E.coli Pneumonia Acute Lung Injury in the Rat/J. Devaney, R. MacLoughlin, D. O'Toole, J. Laffey, Galway, Ireland, p.A7505

SCIENTIFIC SYMPOSIUM:

D91 ATS CLINICAL PRACTICE GUIDELINES: CLINICAL PRACTICE ON THE CUTTING EDGE
1:30 p.m. - 3:30 p.m.
WALTER E. WASHINGTON CONVENTION CENTER, Room 204 A-C (South Building, Level 2)

1:45 ATS/SCCM/ESICM Guidelines on Mechanical Ventilation in ARDS
E. Fan, MD, PhD, Toronto, Canada