



**Dr. Oleksa G. Rewa**

Department of Critical Care Medicine  
Faculty of Medicine and Dentistry  
University of Alberta

## CURRICULUM VITAE

### BIOGRAPHICAL DATA

Academic Rank: Clinical Lecturer  
 Clinical Rank: Clinical Scholar

Department: Department of Critical Care Medicine  
 Faculty: Medicine and Dentistry  
 Institution: University of Alberta  
 Address: Division of Critical Care Medicine, University of Alberta Hospital,  
 2-124 Clinical Sciences Building, 8440-122 Street, Edmonton, Alberta,  
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Date of Birth: March 31<sup>st</sup>, 1982  
 Birth Place: Canada  
 Citizenship: Canadian  
 Family Status: Married to Khrystyna Terebushko

### EDUCATION

- 2014 – 2016 **Clinical Fellow (Critical Care Nephrology)**, Division of Critical Care, University of Alberta, Edmonton, Alberta, Canada.
- 2011 – 2013 **Fellow (Critical Care)**, Department of Critical Care Medicine, University of Toronto, Toronto, Ontario, Canada.
- 2008 – 2011 **Resident (Internal Medicine)**, Department of Medicine, Queen's University, Kingston, Ontario, Canada.
- 2004 – 2008 **Doctor of Medicine**, Faculty of Health Sciences, Queen's University, Kingston, Ontario, Canada.
- 2000 – 2004 **Honours Bachelor of Science (Life Sciences)** – Dean's List with High Distinction, University of Toronto, Toronto, Ontario, Canada.

### LICENTURE AND CERTIFICATION

- 2014 Licensure, College of Physicians and Surgeons of Alberta
- 2013 Licensure, College of Physicians and Surgeons of British Columbia  
 Fellow (Critical Care Medicine), Royal College of Physicians and Surgeons of Canada  
 Fellow (Critical Care Medicine), American Board of Internal Medicine

- 2012 Fellow (Internal Medicine), Royal College of Physicians and Surgeons of Canada  
Fellow (Internal Medicine), American Board of Internal Medicine  
Licensure, College of Physicians and Surgeons of Ontario
- 2009 Licentiate of the Medical Council of Canada

#### PROFESSIONAL ORGANIZATIONS

- 2014 Canadian Critical Care Trials Group  
2014 Alberta Medical Association  
2013 British Columbia Medical Association  
2011 Canadian Critical Care Society  
2011 Society of Critical Care Medicine  
2009 Royal College of Physicians and Surgeons of Canada  
2009 American College of Physicians  
2004 Canadian Medical Association  
2004 Ontario Medical Association

#### EMPLOYMENT HISTORY

- 2016 – present Clinical Scholar, Alberta Health Services, Edmonton, Alberta
- 2012 – present Internist, Toronto East General Hospital, Toronto, Ontario
- 2014 – 2016 Critical Care Clinical Associate, Alberta Health Services, Edmonton, Alberta
- 2013 – 2016 Locum Intensivist, Fraser Health Authority, Surrey, British Columbia
- 2012 – 2015 Locum Intensivist, Sault Area Hospital, Sault Ste. Marie, Ontario
- 2014 - 2014 Locum Intensivist, Kingston General Hospital, Queen's University, Kingston, Ontario
- 2011 – 2013 Critical Care Medicine Resident, Department of Critical Care Medicine, University of Toronto, Toronto, Ontario
- 2008 – 2011 Internal Medicine Resident, Department of Medicine, Queen's University, Kingston, Ontario

SCHOLARLY AND PROFESSIONAL ACTIVITIES**National Working Group**

2011 Member, *Canadian Ventilator Associated Guidelines: An Update*, Meeting (Kingston, Ontario)

**Journal Reviewer**

2016 BMJ Case Reports  
Journal of Clinical Nephrology and Renal Care

2015 Therapeutic Advances in Cardiothoracic Disease

2013 Canadian Thoracic Society and Canadian Respiratory Journal

HONOURS AND DISTINCTIONS

2017 Canadian Critical Care Trials Group Research Fellowship, University of Alberta, Edmonton, Alberta, Canada

2015 Canadian Critical Care Trials Educational Travel Award, University of Alberta, Edmonton, Alberta, Canada  
Frederick Banting and Charles Best Canada Graduate Scholarship (CIHR), University of Alberta, Edmonton, Alberta, Canada  
Walter H. Johns Graduate Fellowship, University of Alberta, Edmonton, Alberta, Canada

2014 Queen Elizabeth II Graduate Scholarship, University of Alberta, Edmonton, Alberta, Canada

2007 Ontario Medical Student Bursary Fund, Queen's University, Kingston, Ontario, Canada

2006 Queen's General Bursary, Queen's University, Kingston, Ontario, Canada  
The Medicine 1956 Bursary, Queen's University, Kingston, Ontario, Canada

2005 Dr. and Mrs. Frank D. Newell Scholarship, Queen's University, Kingston, Ontario, Canada

2004 John D. Schultz Science Student Scholarship, St. Michael's Hospital, Toronto, Ontario, Canada

2003 CFUS Presidents' Memorial Scholarship, University of Toronto, Toronto, Ontario, Canada  
Innis College Anniversary Scholarship, University of Toronto, Toronto, Ontario, Canada

- Student Scholarship UCPBA, University of Toronto, Toronto, Ontario, Canada  
St. Michael's Hospital Student Summer Scholarship, St. Michael's Hospital, Toronto, Ontario, Canada
- 2002 CFUS Presidents' Memorial Scholarship, University of Toronto, Toronto, Ontario, Canada  
Innis College Anniversary Scholarship, University of Toronto, Toronto, Ontario, Canada  
Student Scholarship UCPBA, University of Toronto, Toronto, Ontario, Canada
- 2001 CFUS Presidents' Memorial Scholarship, University of Toronto, Ontario, Canada  
St. Cyril and Methodius Scholarship, University of Toronto, Ontario, Canada
- 2000 St. Cyril and Methodius Scholarship, University of Toronto, Ontario, Canada

## EDUCATIONAL ACTIVITIES

### **Educational Roles**

- 2012 Reviewer/Interviewer for CaRMS Critical Care Medicine residency, University of Toronto, Toronto, Ontario, Canada
- 2009 – 2010 Reviewer/Interviewer for CaRMS Internal Medicine residency, Queen's University, Kingston, Ontario, Canada

### **Post-Graduate Courses**

- 2011 ACES Critical Care Course, Halifax, Nova Scotia, Canada  
Advanced Trauma Life Support Course, University of Toronto, Toronto, Ontario, Canada  
Advanced Cardiac Life Support certification, Kingston, Ontario, Canada

## INVITED ADDRESSES/LECTURES

- 2017 Canadian Critical Care Trials Group Winter 2017 Meeting, A Modified Delphi Process of Quality Indicators in Continuous Renal Replacement Therapy in Critically Ill Patient, Lake Louise, Alberta, Canada
- 2016 University of Alberta Department of Critical Care Grand Rounds, Beginning and Ending CRRT, University of Alberta, Edmonton, Alberta, Canada  
University of Alberta Fellows' Research Day, Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients: A Systematic Review, University of Alberta, Edmonton, Alberta, Canada.

- Canadian Critical Care Trials Group Winter 2016 Meeting, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care, Lake Louise, Alberta, Canada.  
 Alberta Society of Intensive Care Physicians Trainee Competition, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care: A Systematic Review, Lake Louise, Alberta, Canada.
- 2015 Canadian Critical Care Trials Group Spring 2015 Meeting, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care, Montebello, Quebec, Canada.  
 University of Alberta Fellows' Research Day, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care, University of Alberta, Edmonton, Alberta, Canada.
- 2013 University of Toronto Fellows' Research Day, Neutrophil Gelatinase-Associated Lipocalin (NGAL) as a marker of AKI in patient with Evidence of Renal Dysfunction, University of Toronto, Toronto, Ontario, Canada.
- 2012 Kingston General Hospital Critical Care Grand Rounds, Novel Biomarkers in Acute Kidney Injury: Neutrophil Gelatinase-Associated Lipocalin (NGAL), Queen's University, Kingston, Ontario, Canada.  
 University of Toronto Fellows' Research Day, Year in Review: Basic Sciences, University of Toronto, Toronto, Ontario, Canada.  
 St. Michael's Hospital MSICU Grand Rounds, Dexmedetomidine for Sedation in the ICU, University of Toronto, Toronto, Ontario, Canada.
- 2011 New York Poison Control Centre Grand Rounds, QT Prolonging Medications, Bellevue Hospital, New York City, New York, USA.  
 St. Michael's Hospital MSICU Grand Rounds, The Evolution of Neutrophil Gelatinase-Associated Lipocalin (NGAL), University of Toronto, Toronto, Ontario.
- 2010 Kingston General Hospital Department of Medicine Grand Rounds, Advances in Antimicrobial Therapy, Queen's University, Kingston, Ontario, Canada.  
 Kingston General Hospital Hematology Grand Rounds, Anaplastic Large Cell Lymphoma, Queen's University, Kingston, Ontario.  
 Kingston General Hospital Oncology Grand Rounds, Coexistence of Critical Care and Oncology for Patient Care, Queen's University, Kingston, Ontario.

#### GRANTS (Total funding \$110,545)

- 2017 Edmonton Zone QI funding sponsored by the Chief Medical Officer of Quality Healthcare Improvement, AHS. Project: Optimizing Mobility for Critically Ill Patients Undergoing Continuous Renal Replacement Therapy (MOvE CRRT). Role: **Principal Investigator**. Funds Awarded: \$16,000. Period of Funding: April 2017 – March 2018.

Edmonton Zone Medical Staff Associate. Project: *Closing the Loop – Enhancing Communication Between Intensive Care Physicians and General Practitioners for Improved Patient Care Following Critical Illness*. Role: **Principal Investigator**. Funds Awarded: \$40,000.00. Period of Funding: April 2017 – March 2018.

2016 Critical Care Strategic Clinical Network. Project: *A Modified Delphi Process to Identify, Rank and Priority Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critical Ill Patients*. Role: **Principal Investigator**. Funds Awarded: \$19,545. Period of Funding: June 2016 – June 2017.

The University Hospital Foundation. Project: *Validation of the Furosemide Stress Test to Predict Worsening Acute Kidney Injury*. Role: **Co-Investigator**. Funds Awarded: \$35,000. Period of funding: January 2016 – December 2017.

## PUBLICATIONS

<b>Totals:</b>	<b>Papers in peer-reviewed journals:</b>	<b>13</b>
	<b>    First/Senior author:</b>	<b>10</b>
	<b>In Press:</b>	<b>0</b>
	<b>Editorials:</b>	<b>0</b>
	<b>Published Correspondence:</b>	<b>0</b>
	<b>Book Chapters:</b>	<b>5</b>
	<b>Abstracts:</b>	<b>11</b>

### **Papers in peer-reviewed journal (13)**

- 2017 Lachance P, Villeneuve PM, **Rewa OG**, Wilson FP, Selby NM, Featherstone RM, Bagshaw SM, Association between e-alert implementation for detection of acute kidney injury and outcomes: A systematic review, *Nephrol Dial Transplant* 2017. DOI: 10.1093/ndt/gfw424
- 2016 **Rewa OG**, Villeneuve PM, Lachance P, Eurich DT, Stelfox HT, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Quality Indicators of Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients: A Systematic Review, *Int Care Med* 2016; DOI: 10.1007/s00134-016-4579-x
- Lachance P, Villeneuve PM, Wilson FP, Selby NM, Featherstone R, **Rewa O**, Bagshaw SM, Impact of e-alert for detection of acute kidney injury on the processes of care and outcomes: A systematic review and meta-analysis, *BMJ Open* DOI: 10.1136/bmjopen-2016-011152.

- 2015 **Rewa O**, Mottes T, Bagshaw SM, Quality measures for acute kidney injury and continuous renal replacement therapy, *Curr Opin Crit Care* 2015;6:490-9.
- Rewa O**, Wald R, Adhikari N, Hladunewich M, Lapinsky S, Muscedere J, Bagshaw SM, Smith, O, Klein DK, Whole-Blood Neutrophil Gelatinase Associated Lipocalin (NGAL) to Predict Adverse Events in Acute Kidney Injury: A Prospective Observational Cohort Study, *J Crit Care*. 2015;6:1359-64.
- Rewa O**, Bagshaw SM, Principles of Fluid Management, *Crit Care Clin*. 2015;4:785-801.
- Rewa O**, Villeneuve P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Quality indicators in continuous renal replacement therapy (CRRT) care in critically ill patients: protocol for a systematic review, *Systematic Reviews* 2015;4:102 doi:10.1186/s13643-015-0088-1.
- 2014 **Rewa O**, Bagshaw SM, Acute kidney injury-epidemiology, outcomes and economics *Nat Rev Nephrol*. 2014;10:193-207.
- 2013 **Rewa O**, Muscedere J, Propofol Infusion Syndrome: A case report, *J Med Cases*. 2013;4(9): 584-587.
- 2012 **Rewa O**, Smith CA, Medical cause of compartment syndrome: a fatal case of Clostridium septicum, *BMJ Case Rep*. 2012 Jun 1;2012. pii: bcr1220115434. doi: 10.1136/bcr.12.2011.5434.
- Rewa O**, Muscedere J, Reynolds S, Jiang X, Heyland DK, Coagulase-negative Staphylococcus catheter-related bloodstream infections and their association with acute phase markers of inflammation in the intensive care unit: An observational study, *Can J Infect Dis Med Microbiol*. 2012;23(4):204-8.
- 2011 Muscedere J, **Rewa O**, McKechnie K, Jiang X, Laporta D, Heyland DK, Subglottic secretion drainage for the prevention of ventilator-associated pneumonia: a systematic review and meta-analysis, *Crit Care Med*. 2011 Aug;39(8):1985-91. doi:10.1097/CCM.0b013e318218a4d9
- Rewa O**, Muscedere J, Ventilator-associated pneumonia: update on etiology, prevention, and management, *Curr Infect Dis Rep*. 2011 Jun;13(3):287-95. doi: 10.1007/s11908-011-0177-9.

### Book chapters (5)

- 2017 **Rewa OG**, Bagshaw SM, Principles of CRRT Care. Textbook of Intensive Care Medicine edited by Parillo and Dellinger.
- 2015 **Rewa O**, Bagshaw SM, Disorders of Sodium and Water Balance, Textbook of Blood Purification in Intensive Care.
- Rewa O**, Bagshaw SM, Diuretics and Fluid Therapy in the Management of Acute Kidney Injury, Textbook of Blood Purification in Intensive Care.



- 2014 **Rewa O**, Muscedere J, General Critical Care topics in Trauma ICU: Ventilator-Associated Pneumonia, *Encyclopedia of Trauma Care*, 2014 Berlin, Heidelberg: Springer Berlin Heidelberg. doi:10.1007/978-3-642-29613-0.
- Rewa O**, Bagshaw SM, General Critical Care topics in Trauma ICU: Acute Kidney Injury, *Encyclopedia of Trauma Care*, 2014 Berlin, Heidelberg: Springer Berlin Heidelberg. doi:10.1007/978-3-642-29613-0.
- 2013 **Rewa O**, Bagshaw SM, NGAL in Acute Kidney Injury, *Annual Update in Intensive Care and Emergency Medicine 2013* (pp. 697–706). Berlin, Heidelberg: Springer Berlin Heidelberg. doi:10.1007/978-3-642-35109-9\_55.

### Abstracts/Contributions to Scientific Meetings (11)

- 2016 **Rewa O**, Villeneuve P, Lachance, P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Quality Indicators of Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Presented at the Canadian Critical Care Forum, Toronto, Ontario, Canada.
- Rewa O**, Villeneuve P, Lachance, P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Presented at the AKI & CRRT 2016 Conference, San Diego, California, USA.
- Rewa O**, Villeneuve P, Lachance, P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Presented at the Canadian Critical Care Trials Group Winter 2016 Meeting, Lake Louise, Alberta, Canada.
- Rewa O**, Villeneuve P, Lachance, P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Presented at the Alberta Society of Intensive Care Physicians Annual General Meeting, Lake Louise, Alberta, Canada.
- 2015 **Rewa O**, Villeneuve P, Eurich D, Stelfox T, Gibney N, Hartling L, Featherstone R, Bagshaw SM, Key Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Presented at the Canadian Critical Care Trials Group Spring 2015 Meeting, Montebello, Quebec, Canada.
- Rewa O**, Wald R, Adhikari N, Hladunewich M, Lapinsky S, Muscedere J, Bagshaw SM, Smith, O, Klein DK, Neutrophil Gelatinase Associated Lipocalin (NGAL) to Predict Adverse Events in Acute Kidney Injury. Presented at the Canadian Critical Care Conference, Whistler, British Columbia, Canada.

- 2013      **Rewa O**, Wald R, Adhikari N, Hladunewich M, Lapinsky S, Muscedere J, Bagshaw SM, Smith O, Klein DK, Neutrophil Gelatinase Associated Lipocalin (NGAL) to Predict Adverse Events in Acute Kidney Injury. Presented at 31<sup>st</sup> International Vicenza Course on Critical Care Nephrology, Italy.
- 2012      **Rewa O**, Wald R, Adhikari N, Hladunewich M, Lapinsky S, Muscedere J, Bagshaw SM, Smith O, Klein DK, Neutrophil Gelatinase Associated Lipocalin (NGAL) to Predict Adverse Events in Acute Kidney Injury. Presented at University of Toronto Fellow's Research Day 2012, Toronto, Ontario, Canada.  
**Rewa O**, Muscedere J, Difficulties in the Determination of Neurological Death. Presented at Critical Care Canada Forum 2012, Toronto, Ontario, Canada.  
**Rewa O**, Muscedere J, Propofol Infusion Syndrome. Presented at American Thoracic Society 2010, New Orleans, Louisiana, USA.
- 2010      **Rewa O**, Smith CA. Medical Cause of Compartment Syndrome: A fatal case of *Clostridium septicum*. Presented at American College of Physician's Annual Meeting 2010, Toronto, Ontario, Canada.