Welcome to the Department of Critical Care Medicine.

This past year has been both incredibly challenging and also uniquely rewarding, as we have navigated critical care and our health system through successive waves of the global COVID pandemic.

While the COVID pandemic has shined a spotlight on critical care, it remains apparent that the mainstream media and the general public still have some misconceptions of who we are, what we do and how scarce and fragile our critical care resources are.

There is no doubt that the COVID pandemic has contributed to substantial disruption to the status quo; however, crisis can create opportunity. We recognize that our people are our greatest resource. Over the last year, members of our Department have calmly and consistently taken up arms to lead our local and provincial battle against COVID – at the bedside, in the lab, and in the (virtual) boardroom.

We have tirelessly enabled grossly expanded and sustained ICU surge capacity in our commitment to patient care, alongside our critical care teams of likewise devoted nurses, respiratory therapists, dieticians, physiotherapists, pharmacists, social workers and ICU support personnel. We have engaged on new and innovative local, national and international research to understand and guide best practices to care for patients stricken with SARS-CoV-2. We have led the surge capacity planning and implementation and the development and preparation of provincial pandemic triage protocols. Others have advocated through leadership in provincial and national task forces, contributions to the literature, appealing and educating the public through mainstream media and raising awareness on social media platforms.

There is no doubt the COVID pandemic is taking a toll, however, upon taking a deep breath and surveying our critical care landscape, we can only conclude how extraordinary, resilient, and innovative our people have been during this unprecedented period.

We remain proud and thankful to you and look forward to breaking bread again very soon.

Dr. Sean M Bagshaw, MD, MSc, FRCPC
Professor and Chair
Faculty of Medicine and Dentistry

Dr. Shelley Duggan, MD, FRCPC
Clinical Professor and Head,
Edmonton Zone, Alberta Health
DEPARTMENT PHILOSOPHY

The Department of Critical Care Medicine provides patient care, supports education and training, and facilitates research across the mixed medical/surgical and specialized critical care units across the Edmonton Zone. These critical care units are where the most unstable and seriously ill patients are cared for. They consist of highly trained inter-disciplinary teams, advanced monitoring capabilities and life-support technology. We have integrated the “ICU without walls” concept, where in addition to having a dedicated location in the hospital, we also take the necessary expertise and support to rescue patients with acute deterioration who are at-risk of critical illness and adverse outcomes. As a result, critical care outreach services are now recognized and integrated as a vital component of Critical Care.

TRANSPARENCY & DIVERSITY

The Department is committed to ensuring transparency, social accountability and to facilitate diversity for recruitment, promotion and leadership. The Department has been working closely to align with the FoMD and AHS on these processes.

OUR SITES

University of Alberta Hospital
E. Garner King General Systems Intensive Care Unit
Unit Type: mixed medical/surgical ICU | No. of Beds: 28
Site Medical Director: Dr. Dennis Djogovic

Edmonton Firefighter Burn Treatment Centre
Unit Type: Comprehensive Burn Unit | No. of Beds: 4
Site Medical Director: Dr. Dennis Djogovic

Neuroscience Intensive Care Unit
Unit Type: Neurosciences ICU | No. of Beds: 15
Site Medical Director: Dr. Dennis Djogovic

Mazankowski Alberta Heart Institute
Unit Type: Cardiac Surgical ICU | No. of Beds: 24
Site Medical Director: Dr. Mohamad Zibdawi

Royal Alexandra Hospital
Unit Type: mixed medical/surgical ICU | No. of Beds: 25
Site Medical Director: Dr. Jonathan Davidow

Grey Nuns Community Hospital
Unit Type: mixed medical/surgical ICU | No. of Beds: 8
Site Medical Director: Dr. Dominic Carney

Misericordia Community Hospital
Unit Type: mixed medical/surgical ICU | No. of Beds: 10
Site Medical Director: Dr. Ella Rokosh

Sturgeon Community Hospital
Unit Type: mixed medical/surgical ICU | No. of Beds: 5
Site Medical Director: Dr. Gabriel Suen

OUR MISSION IS TO PROVIDE EXEMPLARY PATIENT AND FAMILY-CENTRED CARE OF THE CRITICALLY ILL TODAY AND TOMORROW
PARTNERSHIPS

Critical Care Strategic Clinical Network™

The Critical Care Strategic Clinical Network™ (CC SCN) is a community of health care professionals, operational leaders and stakeholders from Alberta’s adult, cardiovascular, neurosciences and pediatric critical care units.

LOGIC – Linking of Global Intensive Care

The Department, through eCritical Alberta, has collaborated with the Linking of Global Intensive Care (LOGIC) initiative.

Hospital Sírio-Libanês (HSL)

The Hospital Sírio-Libanês (HSL) is a major tertiary and private philanthropic hospital located at São Paulo, Brazil. HSL has 700 beds and is certified by major international hospital accreditation entities. In 2018 a memorandum-of-understanding (MOU) was signed that established the framework through which our respective Departments can foster and develop a collaborative relationship.

DCCM LEADERSHIP

Dr. Sean Bagshaw  Scientific Director, Critical Care Strategic Clinical Network, AHS
Dr. Dominic Carney  Site Medical Director, Grey Nuns Community Hospital ICU
Dr. Lawrence Cheung  Associate Dean, Post-Graduate Medical Education, FoMD, University of Alberta
Dr. Jonathan Davidow  Site Director, Royal Alex Hospital ICU
                          Deputy Clinical Department Head, Edmonton Zone
Dr. Dennis Djogovic  Medical Director, EG King General Systems Critical Care Unit, University of Alberta Hospital
                          Medical Director, Leona and Kenneth Biggs and Dr. Peter Allen Neurosciences Intensive Care Unit, University of Alberta Hospital
                          Medical Director, HOPE (Human Organ Procurement and Exchange) program
Dr. Noel Gibney  Co-Chair, Strategic Pandemic Committee, Edmonton Zone Medical Staff Association
Dr. Mike Jacka  Deputy Director, General Systems ICU
Dr. Rachel Khadaroo  Founder and Faculty Mentor/Advisor- Association of Women Surgeons, University of Alberta Chapter
                          Co-Scientific Director, AHS Surgery Strategic Clinical Network
Dr. Erika Macintyre  President, Edmonton Zone Medical Staff Association
Dr. Arabesque Parker  Chair, Transfusion in Trauma working group
Dr. Damian Paton-Gay  Facility Section Head, Trauma, Royal Alexandra Hospital
                          Co-Chair Alberta Trauma Services Core Leadership Team
                          Co-Chair National Acute Critical Events Simulation Course
Dr. Oleksa Rewa  Site Medical Director, Sturgeon Community Hospital
Dr. Ella Rokosh  Site Medical Director and ACMO, Misericordia Community Hospital
                          Connect Care Medical Informatics Lead - Critical Care Edmonton Zone
                          Connect Care Provincial Physician Trainer Critical Care
Dr. Janek Senaratne  Critical Care Medicine Residency Program Simulations Leader
Dr. Gabriel Suen  Site Medical Director, Sturgeon Community Hospital
Dr. Clint Torok-Both  Site Medical Director, Misericordia Hospital
Dr. Derek Townsend  Deputy Facility Medical Director - University of Alberta Hospital, Mazankowski Heart Institute, Kaye Medical Clinic
Dr. Mohamad Zibdawi  Site Medical Director, Cardiovascular ICU
Dr. David Zygun  Medical Director, Edmonton Zone, AHS
AWARDS AND RECOGNITION

2020-21 INTERNAL AWARDS

Mentor of the Year – Dr. Adam Romanovsky
This annual award recognizes Physician members within DCCM who have shown an outstanding commitment to mentoring, developing, and supporting DCCM educational or research trainees, junior Faculty, or staff (AHS or FoMD).

Best Paper of the Year – Dr. Sean Bagshaw
This annual award recognizes Physician members within DCCM for any published peer-reviewed paper (or accepted in press) by a member of the Department (Faculty must be first or last author; or trainee led paper) within the last calendar year.

Teacher of the Year Junior Resident Award – Dr. Wendy Sligl
This annual award recognizes Physician members who have demonstrated commitment to high quality education for our rotating residents. The recipient of this award is chosen by junior residents rotating through the ICU’s at UAH and RAH.

Teacher of the Year CCM (Senior) Resident Award – Dr. Arabesque Parker
This annual award recognizes Physician members who have demonstrated commitment to high quality education for our senior Critical Care residents. The recipient of this award is selected by our CCM trainees.

2020-21 EXTERNAL AWARDS

Dr. Janek Senaratne
Adult Cardiology 2021 Residency Program - Most Innovative Teacher Award
Adult Cardiology 2021 Residency Program - Resident Advocate of the Year Award 2021 - Runner-up

Dr. Mary Stephens
Dr. Charles Burn Trauma Association of Canada Award
Award is for somebody who on a consistent basis, exemplifies the characteristics of Dr. Burns by demonstrating outstanding leadership, endless passion, a spirit of volunteerism and who is considered a visionary and innovator in the field of trauma care by their colleagues.

Dr. Dustin Anderson
Neurosciences ICU Scholarship 2021

Dr. Brian Buchanan
2020 Top 40 under 40 Edify Magazine

Dr. Arabesque Parker
Emergency Medicine Outstanding Off-Service Teacher Award 2021

Dr. Janek Senaratne
Adult Cardiology 2021 Residency Program - Most Innovative Teacher Award
Adult Cardiology 2021 Residency Program - Resident Advocate of the Year Award 2021 - Runner-up

Dr. Mary Stephens
Dr. Charles Burn Trauma Association of Canada Award
Award is for somebody who on a consistent basis, exemplifies the characteristics of Dr. Burns by demonstrating outstanding leadership, endless passion, a spirit of volunteerism and who is considered a visionary and innovator in the field of trauma care by their colleagues.

Dr. Dustin Anderson
Neurosciences ICU Scholarship 2021

Dr. Brian Buchanan
2020 Top 40 under 40 Edify Magazine

Dr. Arabesque Parker
Emergency Medicine Outstanding Off-Service Teacher Award 2021
RESEARCH AND INNOVATION

The 2020-2021 Academic Year was a challenging yet productive year for the University of Alberta DCCM. Many specific research activities were suspended or deferred as our ICUs focused on clinical care during the pandemic. We did, however, continue to participate in both COVID-19 specific research initiatives, as well as selective other research programs while building research infrastructure across the Edmonton Zone.

- Dr. Oleksa Rewa
  Associate Chair, Research and Innovation

Previously, there existed two research groups that operated within the Department of Critical Care Medicine. This last year, standalone research groups have developed at each of the city’s 5 ICUs with the following research leads:

- University of Alberta Hospital - Dr. Oleksa Rewa
- Royal Alexandra Hospital— Dr. Jim Kutsogiannis
- Grey Nuns Community Hospital– Dr. Janek Senaratne
- Misericordia Community Hospital— Dr. Erika Macintyre
- Sturgeon Community Hospital— Dr. Oleksa Rewa
- Neurosciences ICU – Dr. Jim Kutsogiannis
- Mazankowski Heart Institute – Dr. Sean van Diepen
- Basic/Translational Sciences – Dr. Kimberly Macala

In additional to building site specific research groups, the Edmonton Zone Critical Care Research Council was created across the Edmonton Zone to promote excellence and collaboration for research programs within the city’s critical care settings. Further, it had specific duties and functions to:

1. To develop, implement and evaluate standards of practice related to CC research
2. To provide a forum for discussion of issues related to CC research.
3. Act as a resource in the development, conduct and development of standards for critical care research
4. To provide a forum for dissemination of information related to ongoing and potential CC research activities for the EZ.
5. To assist in the development of individual ICU specific research programs
6. To develop a rigorous and innovative ‘bench-to-bedside’ research stream
7. To aid in the development of additional avenues of research in the EZ Department of Critical Care Medicine

Membership to this EZ CC RC included the DCCM Academic Chair, Associate Chair for Research & Innovation, ICU site specific leads.

Finally, after a pause in 2020, the Department of Critical Care Medicine held a combined Pediatric & Adult Research Day May 19th, 2021, with Dr. Srinivas Murthy presenting as a Visiting Professor on his ‘Experiences with Research and Academic Pursuits during the COVID-19 Pandemic.’ This was a virtual event attended by over 50 trainees and faculty across the two Departments.

Dr. Andrew Macdonald received first place for his work on MARS in Liver Failure, while Dr. Sanam Verma received second place for his work on ‘Predictors and Outcomes in Mechanical Circulatory Support;’ and Nicholas Griffin third places for their work on, ‘Impact of Early Surgical Correction of Congenital Heart Defects in Viral Respiratory Tract Infections’.
RESEARCH PUBLICATIONS

- 198 total publications
- 24 publications with Department Faculty as first or senior author
- 7 publications with trainee as first author
- 10 publications in NEJM, Lancet, and JAMA Network journals

Full list of research publications can be found in the Appendix

FEATURED PUBLICATION


RESEARCH GRANTS

- 22 grants
- 10 grants with DCCM Faculty as PI
- Total New Funding: $951,139
- Total Funding: $4,268,588

Full list of research grants can be found in the Appendix

FEATURED RESEARCH GRANT

Investigator: Dr. Oleksa Rewa (PI)
Title: Dializing Wisely
Funder: Partnership for Research and Innovation in the Health System (PRIHS)
Funding Year: 2020
Award: $830,225

VISITING SPEAKERS

The R.T. Noel Gibney Lecture in Critical Care Medicine
Dr. Catherine (Terri) Hough (OHSU Portland Oregon)
Title: Coral: The Petal Networks Observational Study
April 20th, 2021

Dr. Catherine L. “Terri” Hough is a graduate of the University of California, Berkeley and UCSF. She trained in internal medicine at the University of Pennsylvania, returning west to train in Pulmonary and Critical Care Medicine at the University of Washington. Her research has focused on interventions in ARDS, through her leadership within the ARDS Network and PETAL Network, prolonged mechanical ventilation and long-term psychological and functional outcomes after critical care. She moved to OHSU to become the Division Chief in July 2020.

Dr. John Marshall – University Of Toronto
Title: Pandemic Research: Lessons from COVID-19
September 15th, 2020

Dr. Marshall is a Professor of Surgery at the University of Toronto. He is an attending Surgeon and Intensivist at St. Michael’s Hospital.

Dr. Fernando Zampieri - University of São Paulo
Title: Nosocomial Sepsis Attributable Mortality
May 18th, 2021

Dr. Zampieri is an Intensive Care Physician. He is a graduate of the University of São Paulo. He is the HCor Critical Care Research Coordinator and Intensivist at Federal University of São Paulo and a BRICNet Scientific Committee Member.
Despite the challenges presented by the COVID-19 pandemic, the department has continued to not only maintain an outstanding educational portfolio but has continued to grow over the past year.

In-person gathering restrictions dictated innovative solutions to providing educational experiences. By pivoting to an online format for Academic Half-day, Grand Rounds, Journal Club, and even in-training exams, our trainees received an uninterrupted educational experience. We further took advantage of the virtual platform to run simulation-based learning for remote consultative care. None of this could have been accomplished without incredibly engaged faculty members who continued to prioritize learner education despite a significant increase in clinical workload. This is highlighted by the fact that at no point were critical care subspecialty residents redeployed from other rotations to provide clinical service in the ICU.

June 30, 2020 marked the successful completion of our first cohort of residents training in the Competence by Design framework to which we transitioned in 2018. This concludes a successful transition to the new platform which has also helped us bolster our educational activities in areas such as Crisis Resource Management and high-fidelity simulation. All three residents in this cohort were successful in their recent RCPSC critical care medicine certification examination.

The last year has also seen growth in our post-residency fellowship programs. We saw our inaugural Neuro-Critical Care trainee successfully complete his fellowship and pave the way for growth of this fellowship moving forward. We witnessed the solidification of our Critical Care Ultrasound fellowship, successfully training our second and third candidates who have both accepted positions at hospitals in the Edmonton zone where they will continue to drive ultrasound-related education in their respective units. We also continued our training program in Cardiovascular ICU, graduating a fellow for the fourth straight year since initiating the program. In addition, all three graduating critical care residents have joined the department for further training; two as clinical scholars and the other as a critical care ultrasound fellow.

Our faculty were recognized for teaching both within and outside of our department. Two thirds of our teaching faculty at our two main teaching sites (University of Alberta and Royal Alexandra Hospitals) were nominated for departmental teaching awards, highlighting the broad impact of our clinician teachers. Awards won by DCCM faculty include:

- Critical Care Medicine Rotating Resident Teacher of the Year award – Dr. Wendy Sligl. Selected by rotating residents and awarded to a critical care physician in recognition of outstanding contribution to resident education
- Critical Care Medicine Senior Resident Teacher of the Year award – Dr. Arabesque Parker. Selected by senior residents and awarded to a critical care physician in recognition of outstanding contribution to senior resident education
- Critical Care Medicine Mentor of the Year award – Dr. Adam Romanovsky. Nominated by critical care medicine residents in recognition of outstanding mentorship to critical care trainees.
- Emergency Medicine Off-Service Teacher of the Year award – Dr. Arabesque Parker. Selected by residents in the FRCPC Emergency Medicine program to recognize the most impactful teacher on an off-service rotation.
- Off-service Rotation of the Year award – University of Alberta Hospital E. Garner King ICU. Selected by residents in the Family Medicine-Emergency Medicine program in to recognize the off-service rotation with the highest educational value.

- Dr. Adam Romanovsky
  Associate Chair, Education

EDUCATION LEADERSHIP

Adult Critical Care Residency Program  
Dr. Adam Romanovsky - Program Director

Critical Ultrasound (CCUS) Clinical Fellowship  
Dr. Brian Buchanan - Fellowship Director

Cardiovascular Intensive Care (CVICU) Fellowship  
Dr. Aws Alherbish - Fellowship Director

Neuroscience Intensive Care Unit (Neuro-ICU) Fellowship  
Dr. Monica Henry - Fellowship Director
2020 was a challenging year for gathering. Ultimately, due to covid-restrictions, we could not host the Canadian Resuscitative Ultrasound Course. However, this year, on August 12th and 13th, we will invite an array of faculty, fellows, and nurse practitioners back for the second time in Edmonton, to Western Canada’s biggest course in acute care ultrasound training.

**Research**

In 2020, we welcomed the addition of a new clinician-researcher team member, Dr. Vincent Lau. In addition to his focus on health economics, Dr. Lau has also played a key role in developing a new research initiative, “covid-shunt”, or the investigation of shunt in patients with severe covid-related respiratory failure in patients on mechanical ventilation. In addition to this research, there are 3 new and/or ongoing studies employing ultrasound in the critically ill, including multi-organ sonography in acute kidney injury, machine learning in lung ultrasound in Covid-19, and neurological ultrasound in fulminant hepatic failure.

**Faculty Education**

2020 was the first year to see dedicated faculty and nurse practitioner training in critical care ultrasonography as part of a comprehensive curriculum research study. Yielding much success and enthusiasm, this program will continue in 2021 with an explicit focus on increasing access to this training throughout the Edmonton zone.

**2020-21 EDUCATION EVENTS**

**Academic Half Day**
Covering 70 topics over the course of the academic year

**Other Activities:**
- CaRMS - September 16
- Journal Club - September 29
- International Applicant Interviews - October 9
- Journal Club - December 1
- In Training Exam - December 16 and June 2
- Journal Club - February 23,
- Resident Wellness Day - February 24,
- Multidisciplinary Critical Care Knowledge Assessment Program - March 10
- Objective Structured clinical Examination - May 5
- Research Day - May 19
- Journal Club – May 25
- Simulations - October 14, December 2, and February 10, March 17, May 26

**CaRMS 2020**

- **27** APPLICANTS
- **22** INTERVIEWS
- **3** MATCHES

**Canadian Resuscitative Ultrasound Course (West)**

2020 was a challenging year for gathering. Ultimately, due to covid-restrictions, we could not host the Canadian Resuscitative Ultrasound Course. However, this year, on August 12th and 13th, we will invite an array of faculty, fellows, and nurse practitioners back for the second time in Edmonton, to Western Canada’s biggest course in acute care ultrasound training.
Publication Summary (Trainees underlined):

- 7 publications with trainee as first author
- 24 publications with Department Faculty as first or senior author
- 197 total publications

Publication Summary (Trainees underlined):


IWY. Barriers to learning and using point-of-care ultrasound: a survey of practicing internists in six


Fordyce CB, Katz JN, Alviar CL, Arslanian-Engoren C, Bohula EA, Geller BJ, Hollenberg SM, Jentzer JC, Sims DB, Washam JB, van Diepen S, American Heart Association Council on Cardiology, Council on Arteriosclerosis, Thrombosis and Vascular Biology; Council on Cardiovascular and Stroke Nursing; Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation; and Stroke...


Kanakaratne S, Hann A, Asokan G, Armstrong PW. Novel Biomarkers, ST-Elevation Resolution, and Clinical Outcomes Following Primary


<table>
<thead>
<tr>
<th>INVESTIGATOR</th>
<th>YEAR</th>
<th>FUNDER</th>
<th>TITLE</th>
<th>START</th>
<th>END</th>
<th>TOTAL</th>
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<tr>
<td>Bagshaw (PI)</td>
<td>2021</td>
<td>Medical Research Institute of New Zealand</td>
<td>The Mega Randomised Registry Trial Comparing Conservative vs. Liberal Oxygenation Targets (Mega-ROX)</td>
<td>Feb-21</td>
<td>Dec-25</td>
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<td>Jacika (PI)</td>
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<td>Sunnybrook Research Institute</td>
<td>Sedating With Volatile Anesthetics Critically Ill COVID-19 Patients in ICU (SAVE-ICU trial): Effects on Ventilatory Parameters and Survival</td>
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<td>Khadaroo (Co-PI)</td>
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<td>British Geriatrics Society</td>
<td>Novel biomarkers to diagnose acute mesenteric ischemia</td>
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<td>2022</td>
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<td>Khadaroo (Co-PI)</td>
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<td>Edmonton Civic Employees</td>
<td>Impact of Frailty on Outcome in Patients with Brain Metastases Treated with Gamma Knife Radiosurgery</td>
<td>2021</td>
<td>2022</td>
<td>$10,000</td>
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<td>Lau (PI)</td>
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<td>EuroQol Research Foundation</td>
<td>Health-Related Quality-of-Life &amp; Health-Utility Integration in Critical Care: EQ-5D-5L Validation (QUICC)</td>
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<td>Lau (PI)</td>
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<td>University of Alberta Hospital Foundation</td>
<td>COVID-19 Hypoxemia: Detecting the Presence of Concomitant Intra-Pulmonary or Intra-Cardiac Shunts with Contrast Bubble Studies</td>
<td>2021</td>
<td>Mar-22</td>
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<td>Lau (co-PI)</td>
<td>2021</td>
<td>Saskatchewan Health Research Foundation (SHRF)</td>
<td>DISH-Saskatchewan: &quot;Studying and improving direct discharges to home from the intensive Care Units in Regina, Saskatchewan&quot;,</td>
<td>Jul-21</td>
<td>Jun-24</td>
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<td>Lau (co-PI)</td>
<td>2021</td>
<td>CIHR Transitions in Care</td>
<td>DISH-Saskatchewan: &quot;Patient and family perspectives on the quality and safety of direct discharges home and transfers out of the intensive care unit&quot;</td>
<td>Jul-21</td>
<td>Jun-22</td>
<td>$10,000</td>
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<td>Lau (co-PI)</td>
<td>2020</td>
<td>Saskatchewan Health Research Foundation (SHRF)</td>
<td>Evaluation of Outcomes and Safety of Patients Discharged Directly Home from the ICU DISH-Saskatchewan</td>
<td>Jul-20</td>
<td>Jun-22</td>
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<td>Lau (co-PI)</td>
<td>2022</td>
<td>University of Saskatchewan College of Medicine Research Award (ComRAD)</td>
<td>Evaluation of Outcomes and Safety of Patients Discharged Directly Home from the ICU DISH-Saskatchewan</td>
<td>Jul-20</td>
<td>Jun-22</td>
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<tr>
<td>Rewa (PI)</td>
<td>2021</td>
<td>Alberta Innovates</td>
<td>Improving the delivery of acute dialysis to critically ill Albertans - DIALYZING WISELY PRIHS 6 Stage 2 Application</td>
<td>Nov-20</td>
<td>Mar-21</td>
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<td>Rewa (PI)</td>
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<td>University of BC</td>
<td>Host Response Mediators in Coronavirus (Covid-19) Infection - Is There a Protective Effect of Angiotensin II Type 1 Receptor Blockers (ARBs) on Outcomes of Coronavirus Infection? (ARBs CORONA)</td>
<td>Jul-20</td>
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<td>University Hospital Foundation</td>
<td>from vasopressor support in critically ill patients - LIBERATE</td>
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<td>Partnership for Research and Innovation in the Health System (PRHS)</td>
<td>Dialing Wisely</td>
<td>2020</td>
<td>2024</td>
<td>$830,225</td>
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<td>Van Diepen (PI)</td>
<td>2021</td>
<td>University Health Network</td>
<td>Biomarker Registry of Biologic Determinants of Cardiac Critical Illness</td>
<td>Aug-20</td>
<td>Jul-23</td>
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<td>Van Diepen (co-PI)</td>
<td>2021</td>
<td>The Canadian Cardiovascular Collaboratory Pharmaceutical Roundtable Initiative Grant</td>
<td>De-Adoption βeta-Blockers in patients with stable ischemic heart disease without Reduced LV ejection fraction, ongoing ischemia, or Arrhythmias: a pragmaTic randomized trial: The AβJBBREVIAte Trial</td>
<td>2021</td>
<td>2021</td>
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<td>Van Diepen (co-PI)</td>
<td>2020</td>
<td>Peter Monk Innovation Fund</td>
<td>Semaglutide to reduce Myocardial injury in PATIents with COVID-19 (SEMPATICO): A multicentre randomized controlled trial</td>
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<td>Van Diepen (co-PI)</td>
<td>2020</td>
<td>Canadian Institutes of Health Research</td>
<td>Improving Canadian Outcomes Research On the Novel SARS-COV-2 using Analytics: the CORONA Consortium</td>
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<tr>
<td>Van Diepen (co-PI)</td>
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<td>Canadian Institutes of Health Research</td>
<td>Semaglutide to reduce Myocardial injury in PATIents with COVID-19 (SEMPATICO): An exploratory randomized controlled clinical trial</td>
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<td>Canadian Institutes of Health Research</td>
<td>Pulmonary vascular dysfunction and exercise in chronic obstructive pulmonary disease</td>
<td>2020</td>
<td>2026</td>
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<td>Heart and Stroke Foundation of Canada</td>
<td>The Canadian Cardiovascular Collaborative Myocardial Infarction - Cardiogenic Shock Initiative</td>
<td>2020</td>
<td>2020</td>
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<td>Van Diepen (co-PI)</td>
<td>2021</td>
<td>Canadian Institutes of Health Research</td>
<td>Opioid Overdose-Related Cardiac Arrest: What are the Best Interventions?</td>
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<tr>
<td>Van Diepen (co-PI)</td>
<td>2021</td>
<td>The Canadian Cardiovascular Collaboratory Pharmaceutical Roundtable Initiative Grant</td>
<td>Cardiogenic Shock App (The CICAP Pilot Study) – Proof-of-concept to Address Obstacles in Cardiogenic Shock Care in Canada</td>
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<td>2021</td>
<td>$50,000</td>
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<tr>
<td>Van Diepen (co-PI)</td>
<td>2021</td>
<td>The Canadian Cardiovascular Collaboratory Pharmaceutical Roundtable Initiative Grant</td>
<td>De-Adoption βeta-Blockers in patients with stable ischemic heart disease without Reduced LV ejection fraction, ongoing ischemia, or Arrhythmias: a pragmaTic randomized trial: The AβJBBREVIAte Trial</td>
<td>2021</td>
<td>2021</td>
<td>$50,000</td>
</tr>
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**TOTAL** $4,268,588
DEPARTMENT MEMBERS

NEW TO THE DEPARTMENT IN 2020-21

Lau, Vincent Assistant Research Professor

GREY NUNS COMMUNITY HOSPITAL

Byker, Leon Senaratne, Janek
Eshtaya, Ehab Simmonds, Matthew

ACADEMIC MEMBERS

ASSISTANT PROFESSOR

Buchanan, Brian Critical Care Medicine
Chowdhury, Raiyan Critical Care Medicine

ASSOCIATE PROFESSOR

Jacka, Michael Critical Care Medicine
Van Diepen, Sean Critical Care Medicine

PROFESSOR

Bagshaw, Sean Critical Care Medicine
Chin, Wu Critical Care Medicine
Sligl, Wendy Critical Care Medicine

ADJUNCT ASSISTANT PROFESSOR

Bowker, Samantha Critical Care Medicine
Douma, Matthew Critical Care Medicine
Hall, Adam Critical Care Medicine

ADJUNCT ASSOCIATE PROFESSOR

Cheung, Lawrence Medicine
Karvellas, Constantine (Dean) Medicine
Widder, Sandy Surgery

ADJUNCT PROFESSOR

Khadaroo, Rachel Surgery
Tredget, Edward Surgery

ADJUNCT DATA ANALYST

McKinlay, David Critical Care Medicine

CLINICAL MEMBERS

ASSISTANT CLINICAL PROFESSOR

Alherbish, Aws Critical Care Medicine
Carney, Dominic Critical Care Medicine
Henry, Monica Critical Care Medicine
Hudson, Darren Critical Care Medicine
Liu, Allen Critical Care Medicine
Luksun, Warren Critical Care Medicine
MacIntyre, Erika Critical Care Medicine
Marcusamer, Samuel Critical Care Medicine

ASSISTANT CLINICAL PROFESSOR

Davidow, Jonathan Critical Care Medicine
Djogovic, Dennis Critical Care Medicine
Heule, Mark Critical Care Medicine

CLINICAL PROFESSOR

Duggan, Shelley Critical Care Medicine
Johnston, Curtis Critical Care Medicine
Johnston, Richard Critical Care Medicine

SECONDARY CRITICAL CARE

CLINICAL LECTURER

Russell, Michael Medicine

ASSISTANT CLINICAL PROFESSOR

Matheson, Douglas Critical Care Medicine
Norris, Sean Critical Care Medicine
Paton-Gay, John Damian Surgery

ASSOCIATE CLINICAL PROFESSOR

Simmonds, Matthew Anesthesiology and Pain Medicine

CLINICAL PROFESSOR

Gibson, Neil Medicine
Stephens, Mary Surgery
DEPARTMENT PERSONNEL
Stephanie Russell - Assistant Chair – Administration

DEPARTMENT OFFICE (UAH)
Lorraine Nowak - Department Admin Assistant to the Chair
Rosanne Prinsen - Department Communications Coordinator
Kim Rennick - Admin Assistant
Ana Wigger - Medical Education Program Assistant

RESEARCH OFFICE
Nadia Baig - Research Manager
Teresa Lawrence - Research Admin
Lorena McCoshen - Research Coordinator
Dawn Opgenorth - Project Manager

CONFERENCES

ASICP - Alberta Society of Intensive Care Physicians
This 3-day event is hosted by the Alberta Society of Intensive Care Physicians and is represented by all critical care physicians in the province. It includes local, national, and international speakers that engage is presented sessions, an academic trainee research competition, and a business meeting for ASICP members.

January 2021 – cancelled due to Covid

CRIT/ER - Critical Care in the Emergency Room
If you work in the ER on a full time, part time or casual basis and find yourself called upon to treat the sickest of patients at a moment's notice, then this CRIT/ER conference is for you! Join Directors Dennis Djogovic and Matt Inwood and the University of Alberta, Department of Critical Care Medicine, as they present a weekend of medical education with a healthy dose of mountain air! The rapid fire lectures with heavy "real life" clinical emphasis make for an enjoyable and entertaining learning experience.

October 2-4, 2020
**DCCM MEMBERS IN THE MAINSTREAM MEDIA**

**Dr. Peter Brindley**


- Brindley PG. Covid Fatigue Syndrome: And at Exactly the Wrong Time. BMJ Opinions.


**Dr. Raiyan Chowdhury**


**Dr. Noel Gibney**


**Dr. Rachel Khadaroo**


**Dr. Oleksa Rewa**


**Dr. Sean vanDiepen**


