
DEPARTMENT OF

MEDICINE

2019 - 2020

Academic Year



UNIVERSITY OF SASKATCHEWAN

College of Medicine

DEPARTMENT OF MEDICINE
MEDICINE.USASK.CA



Saskatchewan
Health Authority

The Department of Medicine

is an academic and clinical department within the College of Medicine at the University of Saskatchewan and the Saskatchewan Health Authority. Most of the 240 plus members of the department are located in Saskatoon or Regina, with additional members in Prince Albert, Moose Jaw, Swift Current, North Battleford and Yorkton.

VISION

Inspiring hope for Saskatchewan patients

MISSION

Advancing patient care by providing innovative education, research and clinical services

- To our patients: We offer the best possible medical care.
- To our students and residents: As role models for future clinicians and scientists, we offer quality programming and a supportive learning environment.
- To our department members: We support, develop and engage all members to foster a mutually beneficial relationship and a common sense of purpose.
- To Saskatchewan: We collaborate, engage and innovate to address medical needs.

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DEPARTMENT of MEDICINE at a GLANCE

(as of June 30, 2020)

240 internists

with **12** subspecialties

in **7** cities

received **\$6,457,276** in new research funding

2019/2020 fiscal year - based on OVDR Research Productivity report

producing **> 220** peer reviewed publications

supervised **35** graduate students (MSc and PhDs)

and **103** residents

MESSAGE FROM the PROVINCIAL HEAD



I am pleased to present the 2019 – 2020 Annual Report for the Department of Medicine at the University of Saskatchewan and the Saskatchewan Health Authority. While the report covers the academic year from July 1, 2019 to June 30, 2020, it is being assembled in the fall of 2020 while the COVID pandemic still rages around us.

Yet there was more to the year than COVID. Our research productivity continued its upward trend as measured in increased number of grants, publications and citation counts. Our postgraduate students enjoyed their first full year of the new CBD curriculum and our faculty continue to learn new ways to provide the education and ongoing feedback students are looking for. To further support faculty engagement, the Department of Medicine formed an Equity, Diversity and Inclusion Committee in the Spring of 2020 with an official launch in July. I look forward to the committee's recommendations in the year ahead.

And then of course there was COVID. The pandemic forced a sudden and unexpected shift in focus for everyone. While some faculty faced reduced access to patients, putting in-person clinics and research on hold, several were able to pivot and contribute to the growing body of knowledge about the novel corona virus. Several COVID-19 related publications are included in this year's publication list.

I want to acknowledge the contributions and extraordinary efforts of the Department of Medicine team from throughout the province. From administrative assistants juggling student schedules, to the leadership provided by faculty from Infectious Diseases /Microbiology and other divisions, to in-hospital COVID teams developing and implementing new protocols, to presenters for the *COVID-19 Bootcamps* ensuring your colleagues are informed and educated, and to all faculty for your flexibility and resilience; your efforts are noted and appreciated.

Thank you to everyone who contributed to the success of the department this year. We will continue to learn from each other and support each other in the months ahead as we look forward to a return to a new normal.

DR. HAISSAM HADDAD

Provincial Head

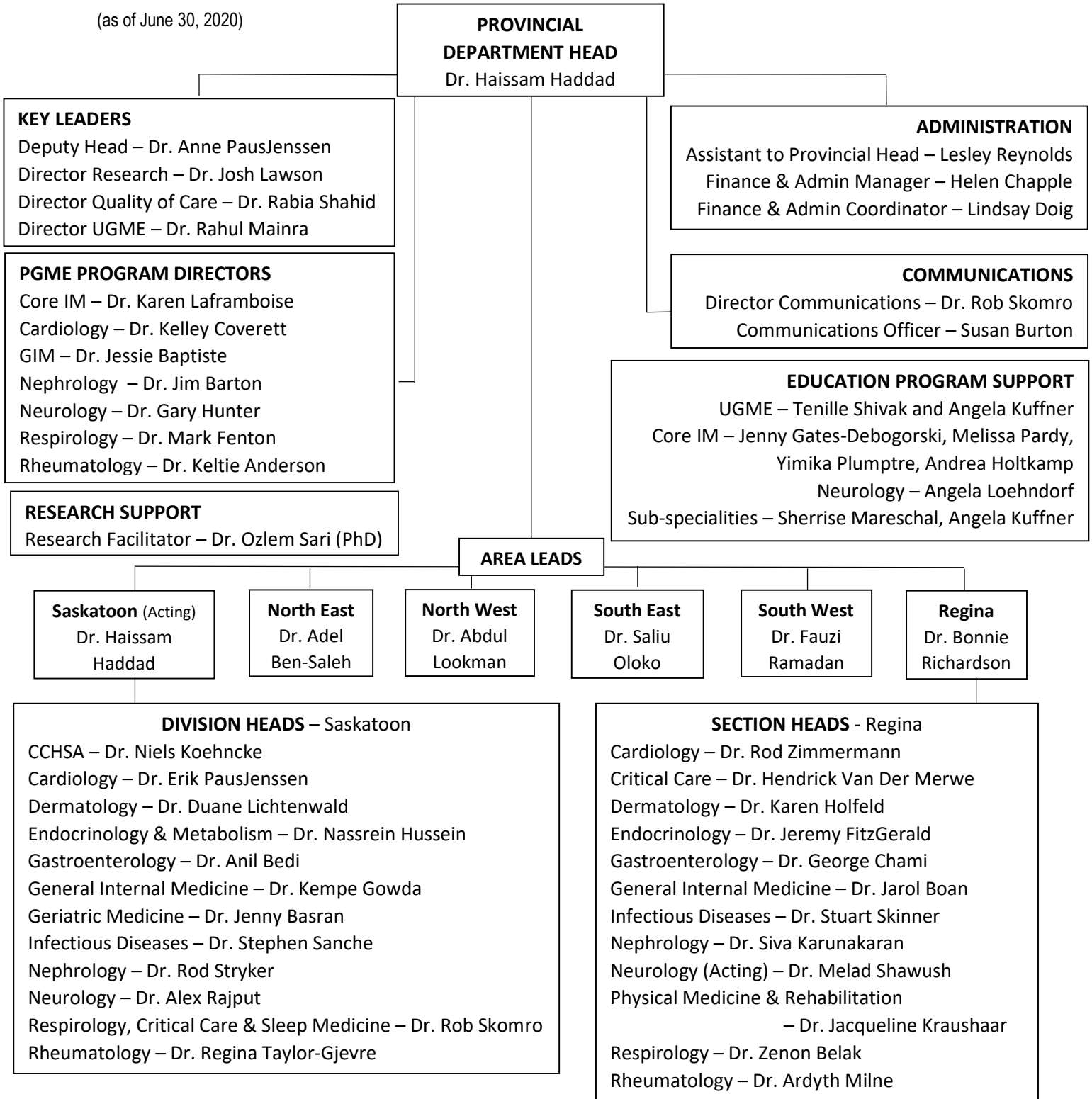
Dept of Medicine University of Saskatchewan
and Saskatchewan Health Authority

ABOUT THE DEPARTMENT OF MEDICINE

SECTION I

DEPARTMENT STRUCTURE

(as of June 30, 2020)



WELCOME, FAREWELL and CONGRATULATIONS

The Department of Medicine welcomed 18 new faculty and said farewell, and in some cases happy retirement, to seven colleagues during the 2019 / 2020 academic year.

RECRUITMENT

Saskatoon

Dr. Janine Eckstein – Cardiology

Dr. Kirsten Walker – Dermatology

Dr. Mina Niazi – Gastroenterology & Hepatology

Dr. Nabeel Samad – Gastroenterology & Hepatology

Dr. Jonathan Dean – General Internal Medicine

Dr. Andrew Yang – General Internal Medicine

Dr. Geoffrey Shumilak – Infectious Diseases / ICU

Dr. Omar DeRita – Neurology/General Internal Medicine

Regina

Dr. Babatunde Adewunmi – General Internal Medicine

Dr. Anmol Cheema – General Internal Medicine

Dr. Olumide Ogundare – General Internal Medicine / Nephrology

Dr. Kathryn Whittemore – General Internal Medicine / Intensive Care

Dr. Rosemary Serwadda – General Internal Medicine

(moved from Swift Current)

Dr. Wenwan Zhou – Cardiology

Dr. Yang Zhan – Cardiology

Dr. Syed Amin – Nephrology

Dr. Kevin Hamming – Endocrinology

Moose Jaw

Dr. Muhammad Aslam – General Internal Medicine

DEPARTURES

Saskatoon

Dr. Nicole Hawkins – Dermatology

Dr. Catherine Trask – CCHSA

Regina

Dr. Ramazan Abdulla – Respiriology

Dr. Suba Mann – General Internal Medicine / Endocrinology

Dr. Alyssa Shariff – General Internal Medicine

Dr. Milo Fink – PM&R

Prince Albert

Dr. Ali Syed – General Internal Medicine

PROMOTIONS

Congratulations for their promotions to Associate Professor:

Dr. Bonnie Richardson (Regina Area Lead / Nephrology)

Dr. Erika Penz (Respirology, Critical Care and Sleep Medicine – Saskatoon)

COVID-19 PREPAREDNESS, PLANNING and IMPACT

The Covid-19 pandemic led to significant changes in clinical delivery, teaching, research and administrative loads. It was very encouraging to see the Department of Medicine members pull together during this very difficult time. The department was more united than ever and is well positioned to face additional challenges posed by the pandemic.

LEADERSHIP ROLE

The Department of Medicine quickly assumed a leadership role within the Saskatchewan Health Authority (SHA) in preparedness and planning for the Covid-19 pandemic. Department members led and participated in various SHA committees including the following examples:

- COVID testing group
- COVID screening working group
- PPE group
- Respiratory guidelines group re safe use of CPAP and BiPAP group
- SFCC COVID advice line
- Development of training and educational material re management of COVID
- Field Hospital Committee
- Upskilling Committees and Redeployment and Ethics Committee re: pandemic contracts
- Pandemic Area Chief of Staff for Regina
- Pandemic Site leads – RUH and SPH
- Pandemic Physician Co-Lead for Virtual Care SHA for Regina
- Pandemic Physician Site Lead for Wascana Rehabilitation Centre

PATIENT CARE

Department members quickly reorganized clinical activities. In Saskatoon they initially formed four COVID teams; two at Royal University Hospital and two at St. Paul's Hospital. On very short notice, Department of Medicine members volunteered to provide additional inpatient coverage on these teams as well as expanded ICU teams and back up call schedules. Department members also worked with the System Flow Coordination Centre (SFCC) to support “care in place” to reduce transfers to larger centres and to provide support to physicians outside major centres.

Working with the SHA Digital Health Program, all members adapted to the new reality and adopted virtual care models. The Department of Medicine was one of the few units which never saw a decline in clinical volume. On the contrary, our clinical commitments during the pandemic

rose dramatically. Several department members were involved in quickly creating new virtual multidisciplinary clinics; for example, the Neurology team worked with members of the Respiriology Division to create an ALS/motor neuron disease clinic.

RESEARCH

The Department of Medicine set up a rapid response research call and was able to fund three research teams whose projects focused on COVID related issues. The College of Medicine partnered with the Respiratory Research Centre to fund three additional COVID related research projects. In addition to these competitions, several other Department of Medicine researchers are actively conducting research in COVID related fields either as principal investigators or as members of national teams. The range of investigations spans sub-speciality and geographic areas including Cardiology, Infectious Diseases, General Internal Medicine, Rheumatology, Neurology, Respiriology and CCHSA, with work being carried out in Saskatoon, Regina, Prince Albert and Moose Jaw.

Most other research programs were put on hold for several months and resumed in accordance with University of Saskatchewan Resumption of Research Planning. Dr. Darcy Marciniuk has had a leadership role in this regard within the Vice President of Research Office.

TEACHING

Department of Medicine academic duties also had to be changed on short notice. This required a transition to virtual platforms whenever possible. In her role as UGME Assistant Dean Curriculum, Dr. Regina Taylor-Gjevrev has been overseeing the re-organization of the UGME program curriculum and curriculum delivery during the initial and subsequent stages of the pandemic in Saskatchewan.

Department members are also actively involved in educating the public about COVID-19 through both local media and social media, or as featured guest speakers / resource persons for multidisciplinary projects such *NeuroSask: Active and Connected* which remotely engaged people with multiple sclerosis, spinal cord injury and Parkinson's disease.

CME EDUCATION

Sixteen Department of Medicine members contributed to the Department of Medicine COVID-19 Bootcamp series, organised by Dr. Jim Barton, which ran from mid April to the end of June. The well-attended weekly online learning sessions were designed to share knowledge and provide a forum for questions about the rapidly changing information available about COVID-19.

Department members also presented in a CME COVID education initiative open to the entire College of Medicine. Participating members were from divisions of Infectious Diseases, Respiriology, Critical Care and Sleep Medicine, Cardiology, Geriatric Medicine, General Internal Medicine. The Department Head participated in a session about leadership.

EDUCATION

SECTION II

UNDERGRADUATE MEDICAL EDUCATION



DR. RAHUL MAINRA

Director
Undergraduate Education

Undergraduate Medical Education has been busy this last year. 2019 ended fairly quietly before the drama of 2020 ensued. The pandemic led to the temporary closure of the undergraduate curriculum. This of course led to significant stress amongst our learners however they found admirable ways to see the silver linings. When the curriculum resumed, all pre-clerkship teaching was done virtually and there were significant changes to the clerkship rotations.

Our faculty showed their resilience by being nimble and finding innovative ways to teach. Clinics were shifted to take place virtually and students and faculty alike found new ways to perform clinical duties and teach this new way of delivery care.

As the new academic year began, faculty once again showed their expertise in new ways of delivering medical education. The year 4 students were challenged by having to do all their electives in Saskatchewan as all programs closed their academic borders to visiting clerks. It has been stressful to find placement for all these students, but our Department has worked hard to fulfill this commitment as best they could. Rural Internal Medicine sites now became engaged in providing educational experiences for clerks.

Entrustable Professional Activities (EPAs) became mandatory for the new Year 3 clerks and this will definitely improve the feedback and learning for our learners. The next step is to develop a competency committee to mentor these students along their training. Department of Medicine faculty continue to excel in teaching at all levels. However, work is still needed to continue to engage faculty and maintain our excellent teaching record.

CORE INTERNAL MEDICINE



DR. KAREN LAFRAMBOISE

Director
Core Internal Medicine Program

Core IM Program	70 residents	
	Saskatoon	Regina
PGY1	19	6
PGY2	19	5
PGY3	14	5
PGY4	2	

The Internal Medicine program launched the new Royal College of Physicians and Surgeons Competence by Design (CBD) training curriculum in July 2019. Residents and faculty were engaged in the process to ensure a successful launch. Multiple resident and faculty development sessions were held throughout the academic year to ensure everyone involved engaged in the transition to this “new way” of training Internal Medicine residents. The launch was successful, and we are now into our second year in the new curriculum with residents in the Core of Discipline Stage and the newly starting Internal Medicine residents in the Transition to Discipline/Foundations stages.

The program is building on the faculty development opportunities this new curriculum offers. There have been Grand Rounds held related to understanding EPAs at various stages of training, *How to Provide Useful Feedback*, and training sessions for the residents and Faculty Academic Advisors on *Coaching in Medicine*.

The residents have been very helpful in providing input for improvements within the CBD curriculum and are actively involved in the curriculum development and implementation. Ongoing faculty development will continue to be one of the priorities for the coming year.

The COVID-19 pandemic affected all aspects of resident education. When it started in March, the residents stepped up to ensure safe and appropriate call coverage was maintained by developing a “back up” call schedule and they were front line care providers for patients presenting to the Emergency Department with COVID-19 symptoms. Weekly Academic Half Days (AHD) were quickly switched from in person sessions to Virtual Academic Half Days, ensuring the academic mission of the Internal Medicine Training Program was continued. The virtual Academic Half Day sessions have continued throughout the summer

months and will continue indefinitely until the pandemic resolves. The faculty presenters at AHD have adjusted their presentations to meet the needs of the resident learners and the reviews of the presentations have been very positive.

Welcoming the new Internal Medicine residents starting in July 2020 will be a new “Virtual” experience.

GRAND ROUNDS

DEPARTMENT OF MEDICINE PRESENTERS

Dr. Stephen Sanche - Infectious Diseases

Syphilis: What You Need to Know

Dr. John Gordon - Respiriology, Critical Care & Sleep Medicine

Regulatory Cell Therapy for Immunological Disease

Dr. Jason Orvold – Cardiology

Cryptogenic Stroke: Closing the Gap

Dr. Alex Rajput – Neurology

Parkinsons Disease - Overview of the 2019 Canadian Guideline

Dr. Gudrun Caspar-Bell - Endocrinology & Metabolism

and guest **Dr. Roland Auer** - Dept. of Pathology & Lab Medicine

Beauty and the Beast - The Pituitary Gland

Dr. George Katselis - Canadian Centre for Health and Safety in Agriculture (CCHSA)

Use of Proteonomics in Biomarker Discovery for Chronic Diseases

Dr. Karen Laframboise - Program Director, Medicine Residency Program

Dr. Anne PausJenssen - CBD Lead, Internal Medicine Residency Program

CBD Update for IM Program at U of S

Quality Care Committee - Department of Medicine

What We Have Learned So Far from Quality Improvement Rounds

Dr. Josh Lawson - CCHSA and Respiratory Research Group

Mental Health and Asthma Among Children

Dr. Bhanu Prasad - Nephrology (Regina)

Do All Patients Benefit from Multidisciplinary Clinics?

Dr. Donald W Cockcroft - Respiriology, Critical Care and Sleep Medicine

Asthma Guidelines 1989 to GINA 2019 - β 2 or not β 2: That is the Question.

Dr. Regina Taylor-Gjevre – Rheumatology

Mortality in Rheumatoid Arthritis

Dr. Dalisizwe Dewa - Cardiology

The Different Faces of Aortic Stenosis

Dr. Alice Wong - Infectious Diseases

2019 Novel Coronavirus

Dr. Donna Goodridge - Respiriology, Critical Care and Sleep Medicine

Dr. Chung Chun (Anderson) Tyan - Respiriology, Critical Care and Sleep Medicine

Dr. Erika Penz - Respiriology, Critical Care and Sleep Medicine

2020 Highlights from the Respiratory Research Centre

GRAND ROUNDS

VISITING PRESENTERS

Dr. Gil Kaplan - Professor, Gastroenterology, University of Calgary

The Epidemiological Stages in the Global Evolution of Inflammatory Bowel Disease

Dr. Aidan Hollis - Professor, Economics, University of Calgary

Does Canada Need to Say "No" to Expensive Drugs? The Battle Between Universality and Comprehensiveness.

Dr. Maria Fleseriu - Professor, Medicine/Endocrinology, Diabetes & Metabolism and Neurological Surgery,
Oregon Health & Science University

State of the Art in Diagnosis and Treatment of Acromegaly.

COVID BOOTCAMP

Department members and guest speakers contributed to the Department of Medicine COVID-19 Bootcamp series, organised by Dr. J. Barton and the Office of Continuing Medical Education. The series ran from mid April to the end of June 2020. The well-attended weekly online learning sessions were designed to share knowledge and provide a forum for questions about the rapidly changing information available about COVID-19.

Dr. Steve Sanche - Infectious Diseases and **Dr. Beverly Wudel** - Infectious Diseases
Donning, Doffing, N95 Masks

Dr. Kathy Malejczyk - Pathology and Laboratory Medicine (Regina) and **Dr. Alexander Wong** - Infectious Diseases (Regina)
PPE and Infectious Diseases

Dr. Kelsey Tallon - Respiriology (Regina) and **Dr. Erika Penz** - Respiriology, Critical Care and Sleep Medicine
A Pulmonary Primer

Dr. Anne PausJenssen- GIM, **Dr. Michael Prystajecy** - GIM and **Dr. Geoff Shumilak** - Infectious Diseases
Answers for your questions related to COVID-19.

Dr. Shaqil Peermohamed - Infectious Diseases and **Dr. Sidd Kogilwaimath** - Infectious Diseases
COVID19, Antibiotics & Vulnerable Populations

Dr. Andrea Lavoie - Cardiology (Regina), **Dr. Payam Dehghani** - Cardiology (Regina) and **Dr. J. Akhtar** - Cardiology
Cardiovascular Considerations in COVID-19 Patient, Part 1: Acute Disease

Dr. Lillian Thorpe - Community Health and Epidemiology
Capacity assessment in the context of end-of-life choices including ethical, legal and clinical perspectives

Dr. Alex Zhai - Cardiology, **Dr. Stephan Wardell** - Cardiology and **Dr. Jason Orvold** - Cardiology
Cardiovascular Considerations Part 2: Navigating the chronic cardiovascular disease patient during the pandemic

Dr. Eileen Bridges and **Dr. Shirley Lee** from the Canadian Medical Protective Association
Covid19 Medical Legal Issues

Dr. Brett Graham - Neurology, **Dr. Otto Moodley** - Hematology, and **Dr. Ilia Poliakov** - Neurology
Neurological & Hematological complications of COVID-19

Dr. Anita Chakravarti - Wellness Lead at USask Continuing Medical Education
COVID-19: Physician Wellness & Resilience

RESEARCH

SECTION III

RESEARCH



DR. JOSH LAWSON

DIRECTOR, RESEARCH

Despite challenges caused by the emergence of Covid, Department of Medicine researchers continue to be productive and move into new areas in response to opportunities that have arisen.

Based on reporting from the College of Medicine's Office of the Vice Dean of Research, our department still ranks among the highest in the college in all of the research metrics observed. This is a testament to the important work being completed by our researchers.

FUNDING SUCCESS

National funding successes include **Dr. Donna Goodridge**, a co-PI on a CIHR catalyst grant and **Dr. Stuart Skinner**, a co-PI on two CIHR operating grants through the Network Environments for Indigenous Health Research Program.

The latest research grant funding competition within the department results in funding for eight research teams from six divisions and included both Saskatoon and Regina based researchers.

STRENGTHENING RESEARCH CAPACITY

Our department and research committee continue to develop ways to strengthen research capacity by helping researchers move into research or advance their research programs. 2019/20 saw the launch of our Research Lunch and Learn Series. See Research Events for a list of the topics covered.

COVID-RELATED OPPORTUNITIES

While COVID caused some research programs to pause, it has also led to researchers adjusting their programs to help address this challenge. The Department of Medicine set up a rapid response research call and was able to fund three research teams whose projects focused on COVID related

issues. These were led by **Drs. George Katselis, Jay Shavadia, and Rob Skomro.**

The College of Medicine also partnered with the Respiratory Research Centre to fund additional COVID studies.

Drs. Donna Goodridge, George Katselis, and Shelley Kirychuk were successful in this competition. In addition to these competitions, a number of other Department of Medicine researchers are actively conducting research in COVID related fields either as principal investigators or as members of national teams.

It was a very active year for research despite the presence of COVID and we would like to congratulate you all for your successes. As always, we encourage you to contact the research committee and staff about your projects and ways in which we can assist you. Our departmental Research Facilitator, **Dr. Ozlem Sari**, can be reached at ozlem.sari@usask.ca. We also hope that by working together, we will be able to continue to build on our momentum in research.

RESEARCH SUPPORTS 2019-2020

RESEARCH LUNCH AND LEARNS

Research Lunch and Learns are needs-driven topical meetings for members of the Department of Medicine. Our goals are to increase understanding of each other's research, build a strong research community and foster learning and growth.

Meetings are held once a month during the academic term. The following topics were covered during the 2019/ 2020 academic year:

- Department of Medicine Research Supports
- Open Access Publishing
- Saskatchewan Health Research Foundation (SHRF) Sprout Workshop
- Behavioural and Biomedical Ethics
- Sex and Gender in Health Research
- Patient-Oriented Research and Knowledge Translation
- Social Sciences Research Laboratories

RESEARCH MENTORSHIP PROGRAM

The Research Mentorship Program is designed to provide one on one support and advice for new researchers. The program kicked off with the identification of mentors and mentees. Initial meetings were held but full implementation was delayed due to COVID. Given our current capacity, we are able to offer this program to two or three new researchers each year. If you are within five years of your first faculty appointment, you can contact our Research Facilitator to express interest or learn more about the program.

ANNUAL RESIDENT RESEARCH DAY

The Annual Resident Research Day was delayed due to the COVID-closures, and then rescheduled as online events. The PGY1 Case Presentations were held in June, and the PGY2 Poster Presentations took place in October. See the Celebrating Success pages of this report for a list of the winners.

QUALITY of CARE

SECTION IV

QUALITY OF CARE



DR. RABIA SHAHID
DIRECTOR, QUALITY OF CARE

Other than adapting to the unique requirements in response to COVID-19, there were two major areas of focus for the Quality of Care Committee.

EARLY WARNING SYSTEM

Internal medicine residents are currently collaborating in a pilot project to implement an Early Warning System communication tool in the Clinical Teaching Unit.

Patients can show signs of clinical deterioration hours before the actual event. The Early Warning System communication tool is used by hospital care teams to recognize early clinical deterioration and has been successfully implemented in various institutions worldwide. The aim of this project is to reduce unexpected deaths and cardiac arrest.

ASSESSMENT PROGRAM

It is broadly agreed that education in quality improvement (QI) and patient safety is needed in every aspect of health care education. It is also essential to learn and discuss patients' safety and QI concepts within our organization and how they are integrated into the daily work of health care ideas to provide safe care. However, there is a paucity of continuing education on patient safety and QI.

The Department of Medicine Quality of Care Committee is introducing a formalized assessment program to enhance the knowledge of patient safety, provide analysis of a critical incident, and determine how system thinking can improve health care and minimize patient adverse events. The self-assessment program will be delivered along with Quality Improvement Rounds for the Department of Medicine members to learn and enhance those skills.

CELEBRATING SUCCESS

SECTION V

PROVINCIAL HEAD AWARDS 2019-2020

SASKATOON



Dr. Erika Penz
Clinician of the Year



Dr. Michael Prystajeky
Teacher of the Year



Dr. Anne PausJensen
Administrator
of the Year

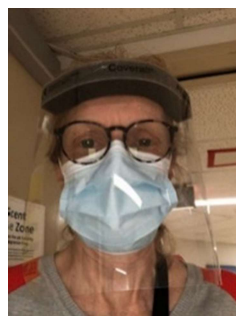


Dr. Jay Shavadia
Researcher
of the Year

REGINA



Dr. Andrea Lavoie
Clinician of the Year



Dr. Liz Gibbings
Teacher of the Year



Dr. Dorothy Thomas
Administrator
of the Year



Dr. Alex Wong
Researcher
of the Year

EXTERNAL HONOURS

Along with their duties within the province, many of our faculty are involved in national and internal organizations. Some examples of their achievements are provided below.

Dr. Haissam Haddad (*Provincial Head*) received the Canadian Certified Physician Executive (CCPE) credential from the Canadian Society of Physician leaders. The CCPE credential is a nationally recognized, standards-based peer assessment for physicians in leadership.

Dr. Donald W Cockcroft (*Respirology, Critical Care and Sleep Medicine*) received the Outstanding Review Award for the Annals of Allergy, Asthma and Immunology: American College of Allergy Asthma and Immunology.

Dr. Milo Fink (*Physical Medicine and Rehabilitation – Regina*) received an honorary lifetime membership to the CMA for medical leadership.

Dr. John Gordon (*Respirology, Critical Care and Sleep Medicine*) was inducted as a Fellow into the Canadian Academy of Health Sciences in recognition of his 30 plus years of research on immunotherapeutics in allergic and other inflammatory diseases.

Dr. Brian L Graham (*Respirology, Critical Care and Sleep Medicine*) was awarded the Dr. Robert Crapo Memorial Lifetime Achievement Award in Pulmonary Diagnostics for 2020.

Dr. Michael Levin (*Chair in MS Clinical Research - Neurology*) was selected to serve on the MS Society of Canada's Medical Advisory Committee and has a lead role in the national Canadian MS Treatment Optimization Committee.

Dr. Stuart Skinner (*Infectious Diseases – Regina*), was featured in the global grand prize-winning Coalition for Global Hepatitis Elimination video contest for his work with the Hepatitis C program in Ahtahkakoop Cree Nation. The video was shown at the 8th International Conference on Hepatitis Care in Substance Users (INHSU) where Dr. Skinner's work was one of three international models of Hepatitis C care to be showcased at a plenary session. Dr. Skinner also received *Ward of the 21st Century (W21C)* health innovation competition award for most promising idea for health care innovation from the University of Calgary for the Wellness Wheel program for Indigenous Health.

Dr. Chung-Chun (Anderson) Tyan (*Respirology, Critical Care and Sleep Medicine*) and his co-authors, received the Chris Bolliger Award from Respiration, the International Journal of Thoracic Medicine. The prize is awarded to researchers who have published an original article which received the most citations in the previous year.

FACULTY TEACHING AWARDS 2019-2020

VOTED ON BY RESIDENTS

Bedside Teacher of the Year Award

DR. JAY SHAVADIA



Distinguished Lecturer Award
and
Teacher of the Year Award

DR. JOSHUA LAWSON



Regina Teacher of the Year

DR. ALEX WONG



RESIDENT AWARDS 2019-2020

VOTED ON BY FACULTY

Dr. David Cotton Award (PGY1 or 2)

The Junior Resident who best displays the quality of professionalism, accountability, commitment to excellence, duty, integrity and respect for patients and colleagues.

RACHEAL HEAD



Dr. Ian Holmes Award (Senior PGY3 Resident)

The Senior Resident who best displays the qualities of professionalism, accountability, commitment to excellence, duty, integrity and respect patients and colleagues.

VICTORIA TIAN



Regina Resident of the Year

Awarded to the Regina Resident who best displays the qualities of professionalism, accountability, commitment to excellence, duty, integrity and respect for patients and colleagues.

KAREN HO



RESIDENT AWARDS 2019-2020

T.W. Wilson Spirit Award

Awarded by the Internal Medicine Residents to the resident whose outstanding contribution to the program helped to build a rewarding and positive environment, motivating and inspiring his or her colleagues.

**BENJAMIN
ARNESON**



Kloppenborg Award

Awarded to the PGY3 resident who has shown consistent excellence in research throughout their core years.

IDRIS BARE



AlexTrebek Award (tied)

Awarded to the Senior Resident who best demonstrated excellence in bedside teaching, informal teaching, morning report teaching, or any other teaching activities as voted on by the PGY1 residents.

ERIK VANTOMME



**CHRISTOPHER
OLIVIER**



RESIDENT RESEARCH DAY

Due to pandemic-related restrictions, Resident Research Day was held as two online events. Congratulations to the winners.

The PGY1 Case Presentations were held in June.

TIM HE – 1st



SAM HARDER – 2nd

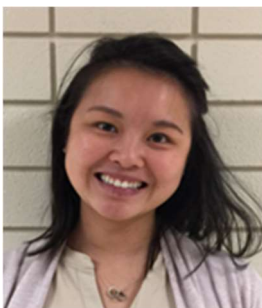


NIKKI HODGINS – 3rd

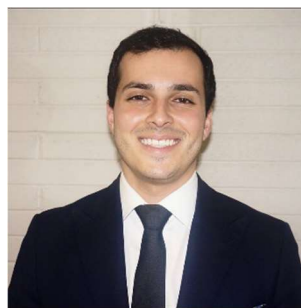


The PGY2 Poster Presentations were held in October.

KAREN HO – 1st



ZACHARY SINGER – 2nd



VANESSA WHEELER – 3rd



DIVISION REPORTS

SECTION VI

SASKATOON DIVISION REPORTS

CANADIAN CENTRE FOR HEALTH AND SAFETY IN AGRICULTURE (CCHSA)



DR. NIELS KOEHNCKE
DIVISION HEAD

The Canadian Centre for Health and Safety in Agriculture is a Type B University of Saskatchewan Research and Outreach Centre, with many of our faculty belonging to the Department of Medicine. Contributions from faculty whose primary academic appointment are outside the Department of Medicine are not included in this report. The Centre’s **MISSION** is to conduct and stimulate research, education, and health promotion programs aimed at enhancing the health and well-being of agricultural, rural and remote populations.

CCHSA remains quite busy despite the **COVID** lockdown, with outreach and research activity carrying on, albeit in different ways. CCHSA Department of Medicine faculty have had significant roles related to the COVID pandemic including work related to the SARS CoV-2 vaccine hunt, connecting the Saskatchewan Health Authority with IRSST in Quebec for mask development research and testing with engineering, research with engineering addressing impact of ventilation on virus transfer, and senior leadership in both SHA PPE policy development and helping manage resumption of research activities in health sciences.

THE AGRICULTURAL HEALTH AND SAFETY NETWORK is the outreach arm of the Centre. The Ministry of Agriculture has provided the Centre \$300,000 over 3 years towards outreach activities starting in 2020. The Network has built a library of COVID resources for agriculture and has been a very active partner in national efforts to coordinate resource development and communication strategies for agricultural producers across Canada. The spring edition of the Network News, delivered to approximately 22000 rural and farm families, included a new Electrical Safety

Faculty and Rank

(only those with primary appointment at Department of Medicine)

Distinguished Research Chair

Dr. James Dosman

Emeritus Professor

Dr. Roland Dyck

Professor

Dr. Joshua Lawson (PhD)

Dr. Debra Morgan (PhD)

Associate Professor

Dr. Shelley Kirychuk

Dr. Niels Koehncke

Assistant Professor

Dr. George Katselis (PhD)

Professional Research Associate

Dr. Chandima Karunanayake (PhD)

Graduate Students

6 PhD

6 MSc

Resource created in partnership with SaskPower and funded through the Provincial CAP program (\$50,000 matched).

CCHSA also provides the knowledge translation for seven different applied research programs for the next four years under the Agrivita Canada Agrisafety Applied Science Program (\$470,000 matched).

THE RURAL DEMENTIA ACTION RESEARCH (RaDAR) team, housed at CCHSA and under the leadership of **Dr. Morgan**, outlined their 20-year research program in a new book titled *Remote and Rural Dementia Care: Policy, Research, and Practice*, released May 2020. Edited by Anthea Innes (UK), Debra Morgan (SK), and Jane Farmer (Australia), it is the first edited collection focusing on dementia in remote and rural areas and is available from Policy Press, University of Bristol.

DR. CATHERINE TRASK has left CCHSA and the University to start work in Sweden after nearly a decade of remarkable work here leading the CCHSA Ergonomics Lab. Thank you to Dr. Trask for her leadership and remarkable efforts in establishing and growing CCHSA's ergonomics laboratory over this time, and we wish her the very best in her new position at the KTH Royal Institute of Technology.

CCHSA continued to provide clinical screening and surveillance to employers and producers through its **CANWORKSAFE PROGRAM**. This includes hearing testing, lung function testing as well as respirator fit testing and medical fitness-to-wear respirator assessments, delivered by a nurse and under the supervision of an occupational medicine specialist.

CARDIOLOGY



DR. ERIK PAUSJENSEN

DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR

Dr. Kelly Coverett

PROGRAM ADMIN ASST.

Sherrise Mareschal

Faculty and Rank

Emeritus Professor Dr. Jose Lopez

Professor Dr. Haissam Haddad

Clinical Associate Professor

Dr. Jawad Akhtar

Dr. Rashpal Basran

Assistant Professor Dr. Terry Bree

Dr. Kelly Coverett

Dr. Jacobus de Villiers Dr. Dalisizwe Dewa

Dr. Janine Eckstein Dr. Shrivankumar Nosib

Dr. Jason Orvold Dr. Sarah Parent

Dr. Erik PausJenssen Dr. Colin Pearce

Dr. Jay Shavadia Dr. Carlo Stuglin

Dr. Stephan Wardell Dr. Calvin Wells

Dr. Alexander Zhai

Residents

5

THE COVID PANDEMIC required everyone to adapt to a very fluid situation. The division of cardiology was instrumental in several aspects of the delivery of care in the Covid era as it pertained to cardiovascular issues. Cardiology members demonstrated leadership and worked collaboratively in creating the Protected Code Blue Pathway for Covid or suspected Covid patients within SHA. This would help ensure safety to all members of the health care team but also ensure that patients would still receive optimal care. In collaboration with SHA, we facilitated the temporary relocation of CCU to the 6th floor in order to optimize ICU capacity in the anticipation of Covid.

SPH CARDIOLOGY SERVICE

Starting in July 2019, there was the implementation of a new and separate cardiology consult service (7 days/week) at St. Paul's Hospital (SPH). This was the first time there has been an official consult cardiology service at this site. This service has been utilized by physicians from GIM, ED, ICU and continues to evolve over time to enhance cardiovascular care in this patient population.

THE USASK CARDIOVASCULAR RESEARCH GROUP (CRG) was recently formed within the Department of Medicine and is committed to creating a research environment that will aim to improve cardiac care delivery to the province. It is chaired by **Dr. Haddad** and co-chaired by **Dr. Shavadia**. Several research projects are currently underway, and details are available on the Department of Medicine website.

DERMATOLOGY

DR. DUANE LICHTENWALD

DIVISION HEAD

Faculty and Rank

Clinical Association Professor

Dr. Duane Lichtenwald

Assistant Professor

Dr. Kyle Cullingham

Dr. Kerry Gardner

Dr. Irina Oroz

Dr. Monica Milliszewski

Dr. Kirsten Walker

WELCOME

Dr. Irina Oroz, a native of Regina, obtained her medical degree from USask and completed her residency in dermatology at the U of Alberta. She earned her FRCPC in 2018. She is practicing general dermatology at Skinsense Dermatology.

Dr. Kirsten Walker obtained her Medical degree from Dalhousie University and completed her dermatology residency at the U of Toronto. She earned her FRCPC in 2019. She is practicing general dermatology at Skinsense Dermatology and has taken over the clinical trials at Skinsense Dermatology.

FAREWELL to Dr. Hawkins and Dr. Law, who have relocated to other provinces.

PATIENT CARE

All six Saskatoon dermatologist are full time private office-based fee for service physicians handling consultations predominantly from the northern half of the province.

Dr. Lichtenwald is the medical director of the phototherapy unit at RUH.

RESEARCH

Skinsense Dermatology currently has three ongoing clinical trials:

- i. Dupilimab for adolescents with atopic dermatitis,
- ii. An oral immune modulator for adults with atopic dermatitis,
- iii. A phosphodiesterase inhibitor (apremioplast) in mild to moderate psoriasis.

EDUCATION

Medical students, medical, surgical, pediatric and family medicine residents do elective time in the private dermatology offices of the division members.

Members of the division lecture in the undergraduate skin sciences course.

Members have lectured at provincial CME conferences for Family Physicians Pediatricians and Pharmacy.

Members of the division have a monthly accredited journal club and a monthly accredited clinical meeting to review challenging cases. These are attended by the division members, medical students interested in pursuing dermatology and students or residents doing dermatology electives.

DIVISION HIGHLIGHTS

This past year the division was pleased to welcome two new members, both graduates of the return of service program which has been in place for the last several years.

ENDOCRINOLOGY & METABOLISM



DR. NASSREIN HUSSEIN

DIVISION HEAD

Faculty and Rank

Professor

Dr. Terra Arnason

Associate Professor

Dr. Gudrun Casper-Bell

Assistant Professor

Dr. Gideon Dala

Dr. Nassrein Hussein

Graduate Students

1 PhD

2 MSc

Congratulations to **Dr. Terra Arnason** for being awarded a CIHR Project Grant for *Functional dissection of the role of the Anaphase Promoting Complex in cellular longevity.*

GASTROENTEROLOGY & HEPATOLOGY



DR. ANIL BEDI

DIVISION HEAD

Faculty and Rank

Professor

Dr. Lawrence Worobetz

Clinical Professor:

Dr. Thomas Sylwestrowicz

Assistant Professor

Dr. Anil Bedi

Dr. Sharyle Fowler

Dr. Tom Guzowski

Dr. Edward Ha

Dr. Samson Haimanot

Dr. Edwin Larkai

Dr. Mina Niazi

Dr. Peter Porostocky

Dr. Nabeel Samad

WELCOME

2019/20 saw the recruitment of the first two hepatologists in Saskatchewan, **Dr. Nabeel Samad** and **Dr. Mina Niazi**.

RESEARCH

Congratulations to **Dr. Sharyl Fowler**, principle investigator, for being awarded a Saskatchewan Health Research Foundation Sprout Grant to look at the experience of Saskatchewan patients using medicinal cannabis for inflammatory bowel disease.

- *Sharyle Fowler SA (PI), Alcorn J, Risling T, Rohatinsky N, Dickson A, Hagel J, Stephanson M. (2020-2022). Medicinal Cannabis in Inflammatory Bowel Disease: The experience of patients in Saskatchewan. \$145,359 (CAD). Saskatchewan Health Research Foundation Sprout Grant.*

PATIENT CARE

Advancement of endoscopic therapeutic intervention. Endoscopic Submucosal Dissection (ESD) is a new technique for resection of large cancers and precancerous lesions from the gastrointestinal tract. This allows curative resection of tumours that previously required surgical resection.

Another new procedure being performed is Per Oral Endoscopic Myotomy (POEM). This is a complete endoscopic approach to management of achalasia and associated esophageal motility disorders. These techniques are very new to North America and allow us to provide services locally that are limited in opportunity to very few centers across Canada.

Dr. Samson Haimanot has performed multiple ESD and POEM procedures this year in collaboration with Dr. Gowing from Thoracic Surgery.

GERIATRIC MEDICINE



DR. JENNY BASRAN

DIVISION HEAD

FACULTY AND RANK

Associate Professor

Dr. Jenny Basran

PATIENT CARE

Dr. Basran shares clinical work with four family physicians in the Geriatric Evaluation and Management (GEM) program. The GEM physicians work with a full interdisciplinary team to provide home visits, outpatient clinics, consult service to all three Saskatoon hospitals, as well as a day hospital for frail older adults from across Saskatchewan.

In addition to providing comprehensive geriatric assessment and management, a key priority for the GEM program is education on geriatric core competencies to undergraduate students as well as practicing clinicians.

The GEM team also supported the development and training of the Community Health Centre at Market Mall where Dr. Basran spends her remaining clinical care time.

LEADERSHIP ROLES

In addition to clinical care, Dr. Basran is the Senior Medical Information Officer for the Saskatchewan Health Authority, where she is focusing on improving data and analytics, as well as co-leading system flow innovation projects within the Digital Health portfolio.

Dr. Basran is also a member of the Health Technology Expert Panel (HTERP) at Canadian Agency for Drugs and Technologies in Health (CADTH), where she participated in the creation of several national reports including:

- Dementia Villages – Position Statement. Ottawa: CADTH; 2019 Oct (CADTH Health Technology Expert Review Panel position statement.

GENERAL INTERNAL MEDICINE



DR. KEMPE GOWDA
DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR
Dr. Jessie Baptiste
PROGRAM ADMIN ASST.
Sherrise Mareschal

Residents: 8

Faculty and Rank

Emeritus Professor

Dr. Thomas Wilson

Clinical Professor

Dr. Uddhav Bhalerao
Dr. Kempe Gowda
Dr. Nawal Sharma

Clinical Associate Professor

Dr. Sabyasachi Bose

Associate Professor

Dr. Heather Ward

Assistant Professor

Dr. Syed Ali

Dr. Jessie Baptiste

Dr. Raviqubal Basi

Dr. Allison Budd

Dr. Sharon Card

Dr. Jonathan Dean

Dr. Nathan Degenhart

Dr. Bryan Evans

Dr. Mark Fenske

Dr. Devin Frob

Dr. Colin Gebhardt

Dr. Sanyukta Ghoorah

Dr. Rodmehr Hafezi

Dr. Norman Joanis

Dr. Alexandra King

Dr. Rekha Kundapur

Dr. Benjamin Leis

Dr. Upul Madampage

Dr. Lori Mamchur

Dr. Hassan Masri

Dr. Jill Newstead-Angel

Dr. Anne PausJenssen

Dr. Michael Prystajeky

Dr. Zohreh Sabbagh

Dr. Griselda Serrano

Dr. Rabia Shahid

Dr. Praveena Sivapalan

Dr. Kristoffor Stewart

Dr. Eileen MarySzabo

Dr. Alia Teja

Dr. Charanpreeti Ubhi

Dr. Sabria Valiani

Dr. Alastair Wall

Dr. Andrew Yang

Dr. Michael Zawadowski

PATIENT CARE AND EDUCATION

The General Internal Medicine Division has 41 Internists actively providing support to clinical services and educational activities at all three hospital sites in Saskatoon. Along with coverage for sixteen in-hospital services, GIM members provide support to management of diabetic patients at Westwind clinic, as well as the HIV Service and the Tuberculosis Unit at RUH.

Current clinical service is provided by the Division of General Internal Medicine as follows:

Royal University Hospital Clinical Service Coverage = 6

GIM members provide a significant number of weeks of call coverage to three clinical teaching units, and the Gold/Covid 19 unit along with other subspecialty members. All GIM members are actively involved in providing clinical service and teaching to medical students, residents and fellows. GIM consulting support is also provided for patients of General Surgery, Obstetrics and Gynecology, and other services.

St. Paul's Hospital Clinical Service Coverage = 8

GIM provides clinical service support (along with sub-specialty members) to six Accountability Care Units. This has increased the quality care of patients at SPH. Patients requiring observation support are confined to fifth Medicine observation units.

GIM is also involved in teaching residents, GIM fellows and medical students.

Members of the GIM division provide coverage to the Covid19 Unit and Overflow patients. GP Hospital Unit is covered by the GP Hospital Team.

GIM Surgical Internist consult service provides consultation service to patients of General Surgery, Vascular Surgery, Plastic Surgery and Urology service at SPH.

The GIM On Call Internist provides consultation service to medical patients for the Emergency Department at SPH and also ACAL coverage for consultations for patients referred from out of Saskatoon through the ACAL service.

Saskatoon City Hospital Clinical Service Coverage =2

GIM provides clinical service as a Surgical Internist at SCH, providing consultation to the Pre-op Assessment Unit for surgical patients. Consultation service is provided to Rehab Medicine, the Geriatric Unit and Electro Diagnostics.

GIM members also provide weekend call coverage to the Rehab Medicine Unit when their own physician is not on call as well as providing coverage for Convalescent Unit patients at SCH.

CLINICAL INITIATIVES

The GIM Division is planning to establish an Urgent Consultation Referral Clinical and Post-Discharge follow-up clinics in the region.

CONGRATULATIONS to **Dr. Hassan Masri** who was selected as one of two Teachers of the Year by the Resident Doctors of Saskatchewan. Residents nominate individuals who have demonstrated exceptional skill in delivering resident education. Nominees are then judged on several criteria including the quality of their teaching, their positive role modelling, their rapport with residents and their overall enthusiasm and commitment.

INFECTIOUS DISEASES



DR. STEPHEN SANCHE

DIVISION HEAD

Faculty and Rank

Associate Professor

Dr. Stephen Sanche

Clinical Associate Professor

Dr. Satchan Takaya

Assistant Professor

Dr. Shaqil Peermohamed

Dr. Geoffrey Shumilak

Dr. Siddharth Kogilwaimath

Dr. Beverly Wudel

Dr. Alice Wong

WELCOME

The Division of Infectious Diseases (ID) was very pleased to have **Dr. Geoff Shumilak** join us this year, dividing his clinical time between ID and Critical Care.

The most significant development impacting the ID Division in 2019-20 was the **COVID-19** pandemic. All members of the Division became actively engaged in COVID-19 planning and policy development at both local and provincial levels, in addition to maintaining patient care activities.

- **Dr. Alice Wong**, Saskatoon Area Infection Prevention and Control (IPAC) clinical lead, was a key member of the Provincial IPAC Leadership Team.
- **Dr. Beverly Wudel** returned from parental leave earlier than planned, assisting with IPAC decisions in addition to serving on the Provincial PPE Task Force Committee.
- **Dr. Satchan Takaya** was co-chair of the Provincial Screening Working Group and has been named as the Provincial Pandemic Physician Leader for Infectious Diseases.
- **Dr. Geoff Shumilak** has been a key member of the Saskatoon Area committee that developed Critical Care protocols for management of patients requiring ICU care.
- **Dr. Stephen Sanche** was part of the Clinical Microbiology team that was successful in instituting COVID-19 testing in the microbiology lab at Royal University Hospital.
- **Dr. Shaqil Peermohamed** and **Dr. Siddharth Kogilwaimath** led efforts toward local COVID clinical trial involvement.

These activities are continuing into 2020-21 for all members; we are hopeful that will no longer be the case in 2021-22.

NEPHROLOGY



DR. ROD STRYKER

DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR:
Dr. James Barton

PROGRAM ADMIN ASST.
Sherrise Mareschal

Faculty and Rank

Professor *Dr. Ahmed Shoker*

Clinical Professor

Dr. Richard Baltzan

Dr. James Barton

Dr. Joanne E. Kappel

Dr. George Pylypchuk

Clinical Associate Professor

Dr. Rahul Mainra

Assistant Professor

Dr. Ayesha Ahmed

Dr. Chance Dumaine *Dr. Abubaker Hassan*

Dr. Amanda Halpin *Dr. David Reid*

Sachin Shah *Dr. Rod Stryker*

Dr. Davina Tai *Dr. Elene van der Merwe*

Graduate Students 1 PhD

NEW INITIATIVES

Dr. E. van der Merwe has developed and implemented a new multidisciplinary clinic at St. Paul's Hospital (Kidney Health Clinic) to care for patients living with Autosomal Dominant Polycystic Kidney disease. She also is the PI for patients cared for in Saskatoon that participate in Canadian Medical Assessment of JINARC Outcomes Registry from 2016 to current. This multicenter trial will determine whether the medication tolvaptan can delay loss of kidney function in persons with polycystic kidney disease at high risk of kidney failure.

Dr. A. Ahmed has initiated a multidisciplinary pediatric transition clinic for persons who are aged 17 years and are living with kidney disease or are on dialysis. Patients are seen at the kidney health clinic at St. Paul's Hospital along with members of the pediatric and adult care teams to optimize the transfer of care and ongoing care of these individuals.

LEADERSHIP ROLES

Dr. A. Halpin and **Dr. E. van der Merwe** continue to participate on nation guideline committee for kidney failure conservative care pathways.

Dr. S. Shah is a member of the Royal College of Physicians and Surgeons' nephrology examination board.

Dr. Barton continues to participate on local and national medical education committees such as the Professional Learning and Development Committee-Royal College, the AFMC CACME Committee, and the Physician Skills Enhancement Committee.

NEUROLOGY



DR. ALEX RAJPUT

DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR

Dr. Gary Hunter

PROGRAM ADMIN ASST.

Angela Loehndorf

Faculty and Rank

Emeritus Professor *Dr. Ali Rajput*

Professor *Dr. Andrew Kirk*

Dr. Michael Levin

Dr. Alex Rajput

Dr. Jose Tellez-Zenteno

Clinical Professor *Dr. Chris Voll*

Associate Professor

Dr. Kerri Schellenberg

Assistant Professor

Dr. Haley Block

Dr. Alexandra Carter *Dr. Wendi Fitzpatrick*

Dr. Brett Graham *Dr. Gary Hunter*

Dr. Shayla Kennedy *Dr. Paul Masiowski*

Dr. Iliia Poliakov *Dr. Omar DeRita*

Dr. Sheila Savedia-Cayabyab

Research Associate

Dr. L Hernández-Ronquillo

Residents 12

Graduate Students 1 PhD

4 MSc

Saskatoon's stroke program received **ACUTE STROKE DISTINCTION** status from Accreditation Canada in October 2019. Acute Stroke Distinction is a rigorous and highly specialized program. Stroke distinction drives high-quality stroke care and ensures the organization and its members are performing at or above national standards. Having distinction status is an honour and helps strengthen staff recruitment and retention and supports research funding.

Clinical care changed dramatically with the **COVID-19** pandemic restrictions starting March 2020.

Multidisciplinary clinics in multiple sclerosis (MS) and ALS/motor neuron disease clinics were developed on short notice to provide ongoing care to the people of the province. This is no small feat, as multiple disciplines were involved. Stroke Clinic provided ongoing care by transitioning to virtual visits, and a daytime provincial telestroke service was piloted in early 2020. **Dr. Paul Masiowski** has played a leading role since March in educating the public about COVID-19. He was active on social media and appeared in local television and newspaper coverage.

Drs. Rajput, Poliakov and Levin were active collaborators and featured guest speakers/ resource persons for a multidisciplinary project entitled *NeuroSask: Active and Connected* which received a SHRF 2020-21 COVID-19 Rapid Response grant. The project remotely engaged people with multiple sclerosis, spinal cord injury and Parkinson's disease. Sessions included participants from every province and even internationally.

LEADERSHIP ROLES

Dr. Michael Levin (*Chair in MS Clinical Research - Neurology*) was selected to serve on the MS Society of Canada's Medical Advisory Committee and has a lead role in the national Canadian MS Treatment Optimization Committee.

RESPIROLOGY, CRITICAL CARE AND SLEEP MEDICINE



DR. ROBERT SKOMRO
DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR
Dr. Mark Fenton
PROGRAM ADMIN ASST:
Sherrise Mareschal

Residents 4
Graduate Students 11 PhD
3 MSc

Faculty and Rank

Emeritus Professor

Dr. Brian Graham (PhD)

Dr. Thomas Hurst

Professor

Dr. John Gjevre

Dr. John Gordon (PhD)

Dr. Darcy Marciniuk

Dr. Donald Cockcroft

Dr. Donna Goodridge (PhD)

Dr. Vernon Hoepfner

Dr. Robert Skomro

Associate Professor

Dr. Mark Fenton

Dr. Karen Laframboise

Assistant Professor

Dr. Iain Magee

Dr. Richard Nataraj

Dr. Erika Penz

Dr. Julian Tam

Dr. Nathan Janzen

Dr. Veronica Marcoux

Dr. Jordan Olfert

Dr. Greg Peters

Dr. Chung-Chun Anderson Tyan

Dr. Mandeep Ubhi

Research Scientist

Dr. Beth Davis (PhD)

The Division of Respiriology, Critical Care and Sleep Medicine continues to provide specialty outpatient and inpatient services and leadership at a variety of SHA and University levels. Our members contribute significantly to undergraduate and postgraduate teaching.

The Division also actively participated in additional clinical and administrative duties during the **COVID-19** pandemic with active involvement on additional inpatient services (COVID and ICU), leadership in resumption of service planning, and leadership of the resumption of research at University of Saskatchewan.

The Division has had a very successful **RESEARCH** year with more than 50 peer reviewed publications and 17 grants. One of our most prominent researchers, **Dr. Marciniuk**, co-authored a paper published in The New England Journal of Medicine.

The Division maintains a very active research program in **INDIGENOUS HEALTH**; **Dr. Fenton and Dr. Graham** have completed important work on reference equations for pulmonary function tests in Saskatchewan First Nations. In addition, **Drs. Fenton and Skomro** have collaborated with Dr. Dosman (CCHSA) on a CIHR funded project addressing disparities in sleep health among First Nations people.

The following Division members received **NATIONAL/INTERNATIONAL AWARDS AND HONOURS**:

- **Dr. Donald W Cockcroft** received the Outstanding Review Award for the *Annals of Allergy, Asthma and Immunology*: American College of Allergy Asthma and Immunology. November 2019.
- **Dr. John Gordon** was inducted as a Fellow into the Canadian Academy of Health Sciences in recognition of his 30 plus years of research on therapeutics in allergic and other inflammatory diseases. September 2019.
- **Dr. Brian L Graham** was awarded the Dr. Robert Crapo Memorial Lifetime Achievement Award in Pulmonary Diagnostics for 2020.
- **Dr. Chung-Chun (Anderson) Tyan** and his co-authors, received the Chris Bolliger Award from *Respiration, the International Journal of Thoracic Medicine*. The prize is awarded to researchers who have published an original article which received the most citations in the previous year. October 2019.
- **Dr. Robert Skomro** became Vice President of Canadian Sleep Society in 2019.

RHEUMATOLOGY



DR. REGINA TAYLOR-GJEVRE
DIVISION HEAD

RESIDENCY PROGRAM DIRECTOR
Dr. Keltie Anderson
PROGRAM ADMIN ASST.
Sherrise Mareschal

Faculty and Rank

Professor [Dr. Regina Taylor-Gjevre](#)
Dr. Bindu Nair

Clinical Professor
Dr. Wojciech Olszynski

Clinical Associate Professor
Dr. Patrice Pollock
Dr. Margaret Truchan

Assistant Professor
Dr. Keltie Anderson
Dr. Regan Arendse
Dr. Latha Naik
Dr. Myat Tun Lin Nyo
Dr. Jodie Reis

Residents 4

The Saskatoon Division of Rheumatology continues to have ten adult rheumatologist members. We continue to support a subspecialty residency program and have had four rheumatology residents during the 2019-20 academic year.

Saskatoon division members participate in all aspects of the department and university mission including research, teaching, administration and clinical service delivery. Division members participate in national committees and in national scientific conferences.

In addition to general rheumatology clinics, several members have developed more focused areas of **SPECIALTY CLINICAL SERVICE** including:

- **Dr. Keltie Anderson** (in collaboration with Dr. Veronica Marcoux in respiratory medicine) holds a combined rheumatology/respiratory disease clinic to assess and treat patients with intersecting disease presentations such as interstitial lung disease.
- **Dr. Jodie Reis** (in collaboration with Dr. Sharyl Fowler in GI) holds a combined rheumatology/GI clinic for patients with MSK involvement related to inflammatory bowel disease. Dr. Reis also supports a post-hip fracture referral pathway clinic and has an increasing interest in bone health for cancer clinic patients on hormone replacement therapy.
- **Dr. Olszynski** continues to work in the clinical area of osteoporosis.
- **Dr. Bindu Nair** is actively growing an axial spondyloarthritis outpatient clinic practice.
- **Dr. Tun Nyo** is increasingly called upon for his expertise in clinical ultrasound assessment especially in the setting of giant cell arteritis.

REGINA DIVISION REPORTS

REGINA AREA



DR. BONNIE RICHARDSON

AREA LEAD – REGINA

It has been a challenging and yet inspiring year. I have had a front row seat watching the leadership of the members of the Department of Medicine as they work tirelessly to create processes and improve quality during the COVID pandemic.

I have been immensely proud of the work done in the Department of Medicine. Department members went above and beyond, working at “warp” speed to address the many challenges brought on by the COVID pandemic.

Regina medicine provided leadership to our local area as well as to the province with several provincial initiatives being led by members of the department. It was inspiring to see the provincial collaboration and product of that teamwork.

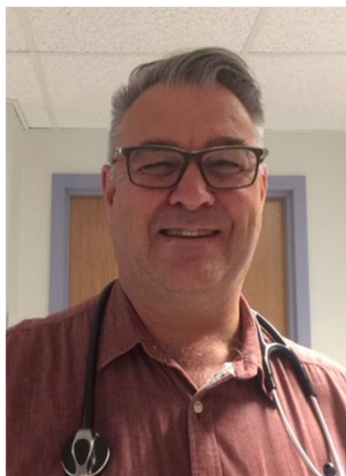
Our department established a quality committee prior to COVID, and it will be our challenge in the coming year to support this work.

We have had some success in recruitment and will continue to focus on this important strategy to ensure stability, sustainability and patient and physician wellness.

I look forward to working with you over the next year.

Dr. Bonnie Richardson MD, FRPC
Area Lead – Regina

CARDIOLOGY – REGINA



DR. RODNEY ZIMMERMANN

DIVISION HEAD

Faculty and Rank

Clinical Professor

Dr. Ayman Aboguddah
Dr. Hassan Gargoum
Dr. Rodney Zimmermann

Clinical Associate Professor

Dr. Wladyslaw Wojcik
Dr. Payam Dehghani

Assistant Professor

Dr. Jeffrey Booker
Dr. Vernon Gebhardt
Dr. Andrea Lavoie
Dr. Dakshina Murthy,
Dr. Omar Sultan
Dr. Colin Yeung
Dr. Yang Zhan
Dr. Wenwan Zhou

INITIATIVES

We have recently taken over management of the Lipid Clinic in Regina, rebranding it as a **Cardiac Risk Clinic** to reflect management of Cardiac risk beyond lipids, including Diabetes and Rehabilitation.

We are continuing to expand the TAVI program.

ENHANCED RESEARCH CAPACITY

The Prairie Vascular Research Group, led by **Dr. Dehghani** and **Dr. Lavoie** continues to provide significant output of research from the Regina base with multiple publications and presentations.

LEADERSHIP POSITIONS

Dr. Zimmermann has just completed his role as Treasure of the Canadian Cardiovascular Society and remains the Chair of the External Relations Committee.

Dr. Dehghani has played a large role in development of a North American Initiative for Development of A COVID-19 ST-Elevation Myocardial Infarction Registry.

Dr. Lavoie is Secretary of the Canadian Association of Interventional Cardiology and on the Royal College AFC Subcommittee of Interventional Cardiologists She also sits on the Board of The Hospitals of Regina Foundation and is the Director and Chair of the Prairie Cardiac Foundation.

CONGRATULATIONS to **Dr. Lavoie** for her designation as a Fellow of the American College of Cardiology.

DERMATOLOGY – REGINA



DR. KAREN HOLFELD

DIVISION HEAD

Faculty and Rank

Clinical Professor

Dr. Roberta McKay

Clinical Associate Professor

Dr. Karen Holfeld

Assistant Professor

Dr. Mariam Abbas

Dr. Rachel Asiniwasis

Dr. Olivia Potok

EDUCATION

Dr. Holfeld is the new UGME dermatology module Director as well as the Dermatology Residency Program Director.

There are two residents in the program at present. The first two years of the program are in Saskatchewan and the last three are through the University of Alberta in Edmonton

RESEARCH

Dr. Asiniwasis continues her work with Saskatchewan's remote Indigenous communities.

She was invited to present the 20th Annual Dr. Arthur Birt Memorial Lecture (November 2019) at the University of Manitoba Dept. of Pediatrics & Child Health in Winnipeg where she presented “*Complex Dermatology in Remote and Northern Saskatchewan’s First Nations Pediatric Population.*”

ENDOCRINOLOGY – REGINA



DR. JEREMY FITZGERALD

DIVISION HEAD

Faculty and Rank

Clinical Associate Professor

Dr. El-fellani Mohammed

Assistant Professor

Dr. Jeremy FitzGerald

Dr. Kevin Hamming

FAREWELL

Dr. Suba Mann retired in October 2019.

COVID-19 REPRESENTATION

Dr. Kevin Hamming and **Dr. Jeremy FitzGerald** served as Coronavirus (COVID-19) Department of Medicine Task Force Members to assist with strategic planning in preparation for the COVID-19 pandemic.

QUALITY IMPROVEMENT INITIATIVES

Dr. Hamming and **Dr. FitzGerald** played a prominent role in the collaborative revision of two Preprinted Order Sets (PPOs) to improve diabetes care for patients living in the Regina Area by minimizing the risk of medication errors in these specific patient populations.

March 2020 - Revisions to Insulin Preprinted Order Set 455 (PPO-455) to update recommended glucose targets for non-critically diabetic patients in hospital and to include Tresiba insulin on the order set.

March 2020 - Revisions to Insulin Preprinted Order Set 655 (PPO-655) to update recommended glucose targets for patients undergoing cardiac surgery and to include Tresiba insulin on the order set.

A separate order set was created in response to the on-going COVID pandemic to allow patients admitted to the inpatient setting with Diabetic Ketoacidosis (DKA) to be managed on the medical ward, allowing critical care beds to be utilized for patients with COVID -19 given these patient's higher acuity and ventilatory dependant needs.

April 2020 – Insulin Preprinted Orders – Adult Subcutaneous Diabetic Ketoacidosis for Mild to Moderate DKA ONLY for use during COVID-19 pandemic.

GASTROENTEROLOGY – REGINA



DR. GEORGE CHAMI

DIVISION HEAD

Faculty and Rank

Clinical Professor

Dr. James McHattie

Assistant Professor

Dr. Massud Ali

Dr. Sanchit Bhasin

Dr. George Chami

Dr. Michael O'Byrne

Dr. Chris Rueda-Clausen

NOTABLE PUBLICATION

Dr. Reuda-Clausen was a co-author of *Obesity in Adults: A Clinical Practice Guideline* published in the Canadian Medical Journal

RESEARCH FUNDING

Dr. Reuda-Clausen is Co-PI for 2020 Rapid Response COVID 18 Research Award. *Development and testing of a prototype mouthpiece to reduce aerosol production during upper endoscopic procedures*

GENERAL INTERNAL MEDICINE – REGINA



DR. JAROL BOAN
DIVISION HEAD

Faculty and Rank

Clinical Associate Professor

Dr. Jarol Boan
Dr. Habib Rehman
Dr. Patrick Duffy

Assistant Professor

Dr. Moyosore Abimboye
Dr. Babatunde Adewunmi
Dr. Amol Cheema
Dr. Amanda Ellwood
Dr. Mokelu Ene
Dr. Elizabeth Gibbings
Dr. Linas Kumeliauskas
Dr. Steven Lwanga
Dr. Ghulam Moinuddin
Dr. Olumide Ogundare
Dr. Tom Perron
Dr. Marc Reeson
Dr. Mahsa Resaei Nejad
Dr. Rosemary Serwadda
Dr. Eric Sy
Dr. Kathryn Whittemore

The Division of General Internal Medicine is a group of General Internists who work on a fee-for-service basis providing teaching, research, and clinical care in the tertiary referral centres in Regina.

Regina Out-Patient Clinical Care and hospital coverage includes:

- pre-operative consult service
- 2 hospital based GIM consultants
- General Internal Medicine ward

The Regina General Hospital now has four admitting lines to manage the Medicine wards. This has improved physician wellness with a decrease in the number of call nights, and improved flow.

EDUCATION

During the 2019 – 2020 academic year there were 16 trainees in PGY1 – PGY3

Dr. Marc Reeson was appointed as the Residency Program Director for the CTU in Regina.

COVID

Dr. Liz Gibbings took an active role in developing the pandemic skills enhancement program in the beginning of the pandemic (April-June 2020).

A Pandemic Day Admitter program was developed and funded in July 2020. This program has significantly improved the flow from the Emergency Room and has stabilized medicine admissions, so patients get immediately transferred to a medical ward.

WELCOME to new faculty members who joined the GIM team in 2019/20:

- Dr. Babatunde Adewunmi
- Dr. Anmol Cheema
- Dr. Olumide Ogundare
- Dr. Kathryn Whittemore
- Dr. Rosemary Serwadda (from Swift Current)

INFECTIOUS DISEASES – REGINA



DR. STUART SKINNER

DIVISION HEAD

Faculty and Rank

Assistant Professor

Dr. Kumudhini Karunakaran

Dr. Stephen Lee

Dr. Stuart Skinner

Dr. Alexander Wong

WELCOME to **Dr. Stephen Lee** who joined the division full time in July 2019.

The Infectious Diseases Division in Regina has been a leader in the development and implementation of treatment for communicable diseases such as HIV and Hepatitis.

Along with teaching, education and research, division members provide on call clinical services as well as outpatient clinics.

CLINICAL INITIATIVES

Dr. Skinner

- Development of the COVID-19 Regina Inpatient Screening and Infection Control Pathway
- Lead for Division of Infectious Diseases COVID-19 Response in Regina
- Development of the diabetic foot ulcer initiative and pathway to reduce lower limb amputations with Touchwood Agency Tribal Council
- Clinical director for the Wellness Wheel Mobile Outreach Clinics for First Nations
- HIV and Hepatitis C Elimination in Ahtahkakoop and Big River First Nations
- Clinical care and development of a Virtual Care Clinic (VCC) for Saskatchewan First Nation communities for COVID-19 testing/care/support for First Nation communities
- Development and implementation of a pharmacy-based HIV point-of-care testing pilot
- Development and implementation of a pharmacy-based initiation of HIV pre-exposure prophylaxis pilot.

Dr. Wong

- Medical Lead for Assisted Self-Isolated Sites (ASIS) Programming for Saskatchewan Health Authority.
- Ongoing clinical outreach work in a variety of high-risk settings: addictions medicine, community pharmacies, correctional facilities.
- Various task-shifting initiatives for HIV and HCV care in community settings, including nurse-led and pharmacist-led work.

-
- Ongoing medical lead for HIV Pre-Exposure Prophylaxis (PrEP) programming covering southern Saskatchewan.
 - Completion of phase 3 programming for long-acting injectable HIV medications, including byline publication in *Lancet*.
 - Initiation of first HBV cure study in Saskatchewan.

Dr. Lee

- COVID-19 Virtual Wards and Intensive Care Initiative
- Provincial Home Health Monitoring for various conditions
- Digital Health Co-Lead (Regina) for Saskatchewan Health Authority (above programs part of this role)
- Provincial COVID-19 Evidence Committee (ID Lead)
- Member of LINK Call Service
- Contributor to National Institute of Health (USA) National COVID Cohort Collaborative (N3C)
- Various pre-printed order creation (PROM, blood-borne exposures)

AWARDS:

Dr. Skinner

- Global Grand Prize in the Coalition for Global Hepatitis Elimination video contest for the Hepatitis C program in Ahtahkakoop Cree Nation
- 1 of 3 International models of Hepatitis C care to be showcased at a plenary and by a video documentary at the 8th International Conference on Hepatitis Care in Substance Users (INHSU)
- Ward of the 21st Century (W21C) health innovation competition award for most promising idea for health care innovation for Wellness Wheel, University of Calgary, October 2019.

Dr. Lee

- Top 5 Finalist in Design Challenge in American Medical Informatics Association Conference, 2019.
- Accepted into startup incubator (Conexus Cultivator) for N-wton (idea regarding big data in medicine)

INDIGENOUS HEALTH INITIATIVES

Dr. Skinner, Dr. Wong, Dr. Lee

- Wellness Wheel Mobile Outreach Clinic for First Nation Communities
- Indigenous Wellness Research Community Network

Dr. Wong

- Participation in national correctional SARS-CoV-2 sero-prevalence survey in conjunction with COVID-19 Immunity Task Force.

Dr. Skinner

- Video development for Ahtahkakoop Cree Nation showcasing Indigenous community leadership in Hepatitis C and health initiatives
- Development of the diabetic foot ulcer initiative and pathway to reduce lower limb amputations with Touchwood Agency Tribal Council
- Clinical director for the Wellness Wheel Mobile Outreach Clinics for First Nations
- Hepatitis C Elimination in Ahtahkakoop and Big River First Nations
- Clinical care and development of a Virtual Care Clinic (VCC) for Saskatchewan First Nation communities for COVID-19 testing/care/support for First Nation communities
- Development and implementation of a provincial Indigenous peer program entitled 'Peer Health Advocate Wellness Network (PHAWN)

NEPHROLOGY – REGINA

DR. SIVA KARUNAKARAN

DIVISION HEAD

Faculty and Rank

Clinical Associate Professor

Dr. Mohamed Abdulhadi

Dr. Bhanu Prasad

Dr. Siva Karunakaran

Associate Professor

Dr. Bonnie Richardson

Assistant Professor

Dr. Syed Amin

Dr. Dorothy Thomas

CONGRATULATIONS to **Dr. Bonnie Richardson** who was promoted to Associate Professor

The nephrologists work in a multidisciplinary Kidney Health Center which serves chronic kidney disease patients, home dialysis patients and chronic kidney stone patients.

Most of our work this year was focused on Pandemic planning.

COVID

Dr. Dorothy Thomas was seconded into leadership as the Pandemic Area Chief of Staff for Regina and was co-commander of the local Integrated Health Incident Command Center.

She was recognized as the Regina Administrator of the Year by the Department of Medicine

QUALITY IMPROVEMENT

Along with serving as Regina Area Lead, **Dr. Bonnie Richardson** continues to provide leadership in the hemodialysis and therapeutic plasma exchange and has recently embarked on a quality improvement project with chronic pain pathways and program expansion for red cell transfusions. The project was selected for a Canadian Quality Improvement Program (CQIP).

Dr. Thomas is leading the quality improvement for our Chronic Kidney Care Redesign Project together with the multidisciplinary CKD team. Our aim is to ensure patient care is delivered in the most patient centre approach in keeping with the SHA values.

NEUROLOGY – REGINA



DR. MELAD SHAWUSH

DIVISION HEAD

Faculty and Rank

Clinical Professor *Dr. Felix Veloso*

Assistant Professor

Dr. Mohammad Ijaz

Dr. Vinesh Pillay

Dr. Hakim Raghig

Dr. Ziaur Rehman

Dr. Syed Rizvi

Dr. Melad Shawush

RESPIRATORY MEDICINE – REGINA



DR. ZENON BELAK

DIVISION HEAD

Faculty and Rank

Assistant Professor

Dr. Abdallah Muftah

Dr. Prakash Patel

Dr. Guruswamy Sridhar

Dr. Kelsey Tallon

Dr. Zenon Belak

The division provides a variety of services such as interventional therapy like bronchoscopy and Endobronchial Ultrasound (EBUS).

EDUCATION

Dr. Tallon has taken on the role of CBD Lead for Regina students.

The Division of Respiriology continues to have a strong presence on the CTU. Both **Dr. Belak** and **Dr. Tallon** participate on the teaching unit regularly and are fond of teaching respirology procedures to the residents such as chest tube insertion and management as well as thoracentesis.

RHEUMATOLOGY - REGINA



DR. ARDYTH MILNE

DIVISION HEAD

Faculty and Rank

Clinical Professor

Dr. Robert McDougall

Assistant Professor

Dr. Nicole Fahlman

Dr. Ardyth Milne

(starts Sept 1, 2020) *Dr. Cairsten McDougall*

We are happy to **WELCOME Dr. Cairsten McDougall** to Regina as our fourth rheumatologist starting Sept 1, 2020.

EDUCATION

This year the Internal Medicine residents who were rotating through Rheumatology are participating in the weekly Provincial Rheumatology Rounds.

CRITICAL CARE ASSOCIATES (CCA) – REGINA



DR. HENNIE VAN DER MERWE

DIVISION HEAD

Division Members:

25 Family Physicians

COVID

The Division of Critical Care Associates (CCA) has been a key player in the development and leadership of the COVID Airway Code Blue teams in the Regina General Hospital and the Pasqua Hospital. The CCA developed an upskilling program for non-critical care physicians to gain essential ICU skills in preparation for the COVID-19 surge. This program is designed for rural doctors to gain confidence with resuscitation skills by working alongside CCAs. Several physicians have already successfully completed this program.

CLINICAL INITIATIVE

In collaboration with the Division of Neurology, we have implemented the inpatient stroke protocol to cut down the in-hospital treatment time to rTPA. The CCA provides the initial physician assessment for potential stroke patients who are admitted, therefore cutting down on the lead time to thrombolytic therapy.

EDUCATION

The CCAs have maintained involvement in simulation sessions including COVID-19 Airway simulations. We continue to invest time in CME opportunities with the continuation of our case study/M&M rounds, journal clubs, toxicology rounds and syllabus builder. Members of the division remain active participants in the Critical Care Management committee and the Department of Medicine Quality Improvement committee.

TEACHING

Over the last year, several division members have attained formalized teaching positions with the University of Saskatchewan College of Medicine. All of our CCAs remain actively involved in resident bedside teaching in the ICUs. We are excited to announce the new CCA teaching initiative for undergraduate medical students to gain clinical experience in the renal unit.

PHYSICAL MEDICINE & REHABILITATION

– REGINA



DR. JACQUELINE KRAUSHAAR

DIVISION HEAD

Residency Program Director
Dr. Shane Wunder

Faculty and Rank

Assistant Professor

Dr. Wendy Chrusch
Dr. Amanda Kleisinger
Dr. Jacqueline Kraushaar
Dr. Claire Vayalumkal
Dr. Yifan Wang
Dr. Shane Wunder

**PM&R Regina-based Residency
program** 2 Residents

Physical Medicine & Rehabilitation provide inpatient and outpatient rehabilitation services through Wascana Rehabilitation Centre (WRC) for the southern half of Saskatchewan.

CLINICAL INITIATIVES

Due to the COVID-19 pandemic resulting in restrictions to in-person clinical delivery, the Department of PM&R is working to establish a comprehensive virtual care model at WRC. This includes both inpatient and outpatient care services.

- Inpatient team conferences are now able to be held with the multidisciplinary team, patients and their families via videoconference. This allows patients to connect with their families, and families to participate virtually in rehabilitation.
- Virtual outpatient clinics have been established including multidisciplinary Prosthetics Clinics and virtual consultations with remote hospitals.
- Pediatric rehabilitation through the Children's Program at WRC has also been providing virtual therapy and physician appointments. Feedback from patients and healthcare professionals has overall been quite positive.

LEADERSHIP

- **Dr. Shane Wunder** served as a Pandemic Physician Co-Lead for Virtual Care SHA (Regina Area) providing leadership in developing virtual care strategies for the Regina Area.
- **Dr. Kraushaar** served as both the Regina Area PM&R Pandemic Physician Lead and the Pandemic Physician Site Lead for WRC providing leadership and support for patient care needs and planning for surge capacity.

ACADEMIC

In order to further expand our knowledge about Indigenous health and wellness within our Department and better support our patients, several faculty and residents are participating in “The Role of Practitioners in Indigenous Wellness” course offered through the University of Saskatchewan.

FAREWELL

We would like to wish Dr. Milo Fink a very well deserved and happy retirement. Dr. Fink began working at Wascana Rehabilitation Centre in 1987 and retired in June 2020. Throughout his career, Dr. Fink provided strong leadership both clinically and academically not only within our department but in the Regina Area. This past year, Dr. Milo Fink received an honorary lifetime membership to the CMA for medical leadership.



SASKATCHEWAN HEALTH AUTHORITY AREAS

NE AREA – Prince Albert

DR. ADEL BEN-SALEH, – NE AREA LEAD

Faculty and Rank

Assistant Professor *Dr. Paul Acheampong (GIM)*
Dr. Adel Ben-Saleh (GIM)
Dr. Radu Ilie-Haynes (GIM)
Dr. Allison Martin (GIM)

Four internists provide internal medicine consults and ICU care for referred patients from family physician and ER physicians. They also provide educational rounds for medical students.

NEW CLINICAL INITIATIVES

We run team-based multidisciplinary Diabetic and Heart Failure Clinics.

RESEARCH

Dr. Paul Acheampong is leading clinical research work in the areas of physician and patient perspectives on the use of virtual care.

SW AREA – Moose Jaw and Swift Current

DR. FAUZI RAMADAN – SW AREA LEAD

Faculty and Rank

Clinical Associate Professor
Dr. Wadea Tarhuni (Cardiology)

Assistant Professor *Dr. Jeffrey Wilkinson (Cardiology)*
Dr. Alexandra Akinfiresoye (GIM)
Dr. Muhammad Aslam (GIM)
Dr. Robin Colwell (GIM)
Dr. Falah Majid (GIM)
Dr. Tadeyo Khonje (GIM)
Dr. Fauzi Ramadan (GIM)
Dr. Omar Rodwan (GIM)

SE AREA – Yorkton

DR. SALIU OLOKO – SE AREA LEAD

Assistant Professor GIM

NW AREA – North Battleford

DR. ABDUL LOOKMAN – NW AREA LEAD

Assistant Professor GIM

DEPARTMENT of MEDICINE RESEARCH FUNDING

SECTION VII

Research Grants July 1, 2019 – June 30, 2020

(Main Source of Information: USask Uview)

PI	Division	Agency	Title
Dr. Terra Arnason	Endocrinology and Metabolism	CIHR Project Grant: Canadian Institutes of Health Research	Functional dissection of the role of the Anaphase Promoting Complex in cellular longevity
Dr. Jim Barton	Nephrology	College of Medicine – Dean’s Project	Transformational Change in Post Graduate Trainees Following Cultural Responsiveness Training
Dr. Jim Barton	Nephrology	The Saskatchewan College of Family Physicians	Exploring barriers and motivators to physician engagement in Saskatchewan
Dr. Jim Barton	Nephrology	Committee on Rural and Remote Physicians- Saskatchewan Medical Association	Exploring barriers and motivators to physician engagement in Saskatchewan
Dr. Jim Barton	Nephrology	Saskatchewan First Nations and Métis Health and Wellness Research, Training and Knowledge Mobilization Network (FMHRN)	Elders and Knowledge Keepers Guide Transformational Change in Healthcare: Expanding the Role of Practitioners in Indigenous Wellness Program.
Dr. Sharon Card	General Internal Medicine	Department of Medicine	Exploring and identifying factors that promote and impede successful entrustable professional activity (EPA) completion.
Dr. Donald Cockcroft	Respirology Critical Care and Sleep Medicine	Astrazeneca Ab	D8900C00004: A Phase IIa, Double-Blind, Randomized, Parallel Group, Placebo Controlled Multi-Centre Study to Evaluate the Effect of AZD8154 Administered via Nebulizer Once Daily on Allergen-Induced Inflammation in Subjects with Mild Allergic Asthma Challenged with an Inhaled Allergen

PI	Division	Agency	Title
Dr. Donald Cockcroft	Respirology Critical Care and Sleep Medicine	Department of Medicine	Tiotropium efficacy against allergen induced early asthmatic responses
Dr. Reuda Clausen (Co-PI)	Gastroenterology – Regina	2020 Rapid Response COVID-19 Research Award	Development and testing of a prototype mouthpiece to reduce aerosol production during upper endoscopic procedures
Dr. Payam Dehghani	Cardiology-Regina	Saskatchewan Health Research Foundation (SHRF)	North American COVID 19 STEMI registry
Dr. Sharyle Fowler	Gastroenterology and Hepatology	Saskatchewan Health Research Foundation Sprout Grant	Medicinal Cannabis in Inflammatory Bowel Disease: The experience of patients in Saskatchewan
Dr. Sharyle Fowler	Gastroenterology and Hepatology	Abivax	ABX464-103: A randomized, double blind, placebo controlled, parallel group, multiple dose, induction study to evaluate the safety, tolerability and optimal dose of ABX464 compared with placebo in patients with moderate to severe ulcerative colitis who have inadequate response, loss of response, or intolerance with at least one of the following agents
Dr. Sharyle Fowler	Gastroenterology and Hepatology	F. Hoffmann-La Roche Ltd	Confidentiality Agreement with Hoffmann-La Roche Limited for Protocol MA41419
Dr. Sharyle Fowler	Gastroenterology and Hepatology	IQVIA	ABX464-104: Confidential Disclosure Agreement
Dr. Sharyle Fowler	Gastroenterology and Hepatology	IQVIA	I6T-MC-AMAN: A Phase 3, Multicenter, Randomized, Double-Blind, Parallel, Placebo-Controlled Induction Study of Mirikizumab in Conventional-Failed and Biologic-Failed Patients with Moderately to Severely Active Ulcerative Colitis
Dr. Sharyle Fowler	Gastroenterology and Hepatology	IQVIA	STUDY START-UP AGREEMENT: A Phase 3, Multicenter, Randomized, Double-Blind, Parallel, Placebo-Controlled Induction Study of Mirikizumab in Conventional-Failed and Biologic-Failed Patients with Moderately to Severely Active Ulcerative Colitis”, Protocol I6T-MC-AMAN
Dr. Sharyle Fowler	Gastroenterology and Hepatology	Janssen Inc.	Confidential Disclosure Agreement with Janssen and Parexel for CNT01959CRD3001
Dr. Regina Gjevre	Rheumatology	Arthritis Society	Building capacity for rheumatology health data research in Saskatchewan
Dr. Regina Gjevre	Rheumatology	Department of Medicine	Health Literacy Needs of People with COPD or Heart Failure

PI	Division	Agency	Title
Dr. Regina Gjevre	Rheumatology	Euroqol Research Foundation	Health Literacy Needs of Patients with COPD or Heart Failure (HF)
Dr. Regina Gjevre	Rheumatology	Respiratory Research Centre	Treatment acceptance and adherence in patients with Obstructive Sleep Apnea: Examining the roles of health literacy and self-efficacy
Dr. Regina Gjevre	Rheumatology	Saskatchewan Centre for Patient-Oriented Research	Improving Care of Mental Health Clients in the ED (PEADA)
Dr. Regina Gjevre	Rheumatology	Saskatchewan Health Research Foundation	The influence of health literacy and self-efficacy on treatment acceptance and adherence in patients with Obstructive Sleep Apnea
Dr. Regina Gjevre	Rheumatology	Swinburne University of Technology	HLQ License: Health Literacy: Reducing Inequities and Improving Outcomes for Clients Using Mental Health Services
Dr. Regina Gjevre	Rheumatology	University of Manitoba	Under-reporting in Abuse of Older Adults in the Prairie Provinces
Dr. Donna Goodridge	Respirology Critical Care and Sleep Medicine	Respiratory Research Centre	Health Literacy, Deferred and Virtual Health Care Visits and Health Concerns of Tenants in Social Housing during the COVID-19 Pandemic
Dr. Donna Goodridge and Dr. Mark Fenton	Respirology Critical Care and Sleep Medicine	Saskatchewan Health Research Foundation, Collaborative Innovation Grant.	Treatment acceptance and adherence in patients with obstructive sleep apnea: examining the roles of health literacy and self-efficacy
Dr. Donna Goodridge and Dr. Mark Fenton	Respirology Critical Care and Sleep Medicine	Respiratory Research Centre, Team Building Grant.	Treatment acceptance and adherence in patients with obstructive sleep apnea: examining the roles of health literacy and self-efficacy
Dr. Brett Graham	Neurology	Department of Medicine	Saskatoon Stroke Prevention Clinic Nurse-led, Telephone-based Secondary Prevention Follow-Up
Dr. Brett Graham	Neurology	Saskatchewan Health Authority	ESCAPE LATE: A multicenter, retrospective study looking at the potential benefit of mechanical thrombectomy among patients with acute ischemic stroke due to proximal large vessel occlusion when treated beyond six (6) hours from time last seen well compared to medical treatment alone
Dr. Brett Graham	Neurology	Saskatchewan Health Authority	SECRET – Study of rivaroxaban in ceREbral venous Thrombosis

PI	Division	Agency	Title
Dr. Brett Graham	Neurology	Saskatchewan Health Authority	TOP-SECRET: regisTry fOr Prognosis after cerebral venous thrombosis in those ineligible for SECRET
Dr. Haissam Haddad	Cardiology	Department of Medicine	Optimizing the Care of Patients with Coronary Artery Disease
Dr. Haissam Haddad	Cardiology	Novartis Pharmaceuticals Canada Inc.	RUH: Optimization of Heart Failure Therapy in Hospital
Dr. Haissam Haddad	Cardiology	University Relations	Chronic Disease Quality of Care Improvement Research Fund
Dr. Vernon Hoepfner	Respirology Critical Care and Sleep Medicine	Saskatchewan Health Authority	Recurrent tuberculosis in Canada - translating whole genome sequence insights into best public health practice
Dr. Gary Hunter	Neurology	Saskatchewan Health Authority	PROTEST TRIAL: PROphylaxis for Venous ThromboEmbolism in Severe Traumatic Brain Injury, a double-blind Randomized Controlled Trial
Dr. George Katselis	CCHSA	Department of Medicine	Get your head straight: A pilot study of vibration-related micro-concussions
Dr. Alexandra King	General Internal Medicine	Canadian Institutes of Health Research	Wuniska! Indigenous Centre on HIV/HCV/STBBI Inequities
Dr. Alexandra King	General Internal Medicine	College of Medicine	Wuniska! Indigenous Centre on HIV/HCV/STBBI Inequities: matching funds from College of Medicine
Dr. Alexandra King	General Internal Medicine	Office of the Vice-President Research	Wuniska! Indigenous Centre on HIV/HCV/STBBI Inequities
Dr. Shelley Kirychuk	CCHSA	College of Medicine	One of these things is not like the other: Unraveling the sex differential inflammatory response to airborne agriculture exposures
Dr. Shelley Kirychuk	CCHSA	Mitacs	The Anti-Inflammatory Potential of Natures Immuno on Inflammation Induced by LPS (for Amanda Nascimento)
Dr. Shelley Kirychuk	CCHSA	Natural Sciences and Engineering Research Council of Canada	Antimicrobial resistance genes in bioaerosols in Canadian arctic, rural, and urban environments: sources, profiles, transport and fate
Dr. Shelley Kirychuk	CCHSA	Respiratory Research Centre	Effects of Low elevations of CO2 on lung infection and inflammation
Dr. Joshua Lawson	CCHSA	Office of the Vice-President Research	Global Ambassador Award Incoming for Dr. Grzegorz Brozek

PI	Division	Agency	Title
Dr. Joshua Lawson	CCHSA	Office of the Vice-President Research	Global Ambassador Award Outgoing
Dr. Joshua Lawson	CCHSA	Respiratory Research Centre	Visiting Scholar Grant
Dr. Stephen Lee	Infectious Diseases	Department of Medicine	Leveraging Big Data for Discovery of Novel Insights in Medicine: Clostridium Difficile Disease
Dr. Rahul Mainra	Nephrology	University of British Columbia	Canadian-Australasian Randomised Trial of Screening Kidney Transplant Candidates For Coronary Artery Disease: CARSK
Dr. Darcy Marciniuk	Respirology Critical Care and Sleep Medicine	Arrowhead Pharmaceuticals , Inc.	CONFIDENTIAL DISCLOSURE AGREEMENT with Arrowhead Pharmaceuticals, Inc.
Dr. Darcy Marciniuk	Respirology Critical Care and Sleep Medicine	IQVIA	Confidential Disclosure Agreement with IQVIA for a study relating to molecule "RPL554"
Dr. Darcy Marciniuk	Respirology Critical Care and Sleep Medicine	Sanofi-Aventis Canada Inc.	A Randomized, Double-blind, Placebo-controlled, Parallel-group, 52-week Pivotal Study to Assess the Efficacy, Safety, and Tolerability of Dupilumab in Patients with Moderate-to-severe Chronic Obstructive Pulmonary Disease (COPD) with Type 2 inflammation
Dr. Veronica Marcoux	Respirology Critical Care and Sleep Medicine	Department of Medicine	Improving Interstitial Lung Disease Care in Royal University Hospital
Dr. Bindu Nair	Rheumatology	Department of Medicine	Comorbidity Monitoring in Spondyloarthritis
Dr. Colin Pearce	Cardiology	Milestone Pharmaceuticals Incorporated	NODE-303: Multi-Centre, Multi-National, Open Label, Safety Study of Etripamil Nasal Spray for Patients with Paroxysmal Supraventricular Tachycardia
Dr. Shaqil Peermohamed	Infectious Diseases	Department of Medicine Research Fund	Implementation of Fecal Microbiota Therapy for Recurrent Clostridioides difficile Infection in Saskatoon, Saskatchewan
Dr. Erika Penz	Respirology Critical Care and Sleep Medicine	Astrazeneca Canada Inc.	"Real-World Evidence" study concerning the Evaluation of COPD outcomes in Canadian patients (BALLISTIC study)
Dr. Erika Penz	Respirology Critical Care and Sleep Medicine	Astrazeneca Canada Inc.	"Real-World Evidence" study concerning the use of SABA medication in Canada (SABINA).
Dr. Erika Penz	Respirology Critical Care and Sleep Medicine	Health Quality Council of Saskatchewan	Exploration of End of Life Care in Lung Cancer and COPD

PI	Division	Agency	Title
Dr. Erika Penz	Respirology Critical Care and Sleep Medicine	Respiratory Research Centre	Animal-Assisted Therapy in Advanced Chronic Obstructive Pulmonary Disease (COPD): an exploratory study
Dr. Ilia Poliakov	Neurology	F. Hoffmann-La Roche Ltd	CDA: CONFIDENTIALITY AGREEMENT CONCERNING THE DRUG PRODUCT FENBRUITINIB (“Drug Product”) AND THE PROTOCOL GN41791, “A PHASE III MULTICENTER, RANDOMIZED, DOUBLE- BLIND, DOUBLE-DUMMY, PARALLEL-GROUP STUDY TO EVALUATE THE EFFICACY AND SAFETY OF FENEBRUTINIB IN ADULTS WITH PROGRESSIVE MULTIPLE SCLEROSIS” (“Protocol”) AND ANY OPEN LABEL EXTENSION STUDIES
Dr. Ilia Poliakov	Neurology	F. Hoffmann-La Roche Ltd	CONFIDENTIALITY AGREEMENT CONCERNING THE DRUG PRODUCT OCREVUS AND THE PROTOCOLS BN42083, BN42082, GN41851 AND GN42272
Dr. Bhanu Prasad	Nephrology	College of Medicine	Histological burden of calcification in left internal mammary artery conduit graft in patients with stage 5 chronic kidney disease
Dr. Michael Prystajewy	General Internal Medicine	Department of Medicine	Impact of Geographically Collocating an Internal Medicine Inpatient Service
Dr. Michael Prystajewy	General Internal Medicine	Hamilton Health Sciences Corporation	PeriOperative ISchemic Evaluation-3 (POISE- 3)
Dr. Jodie Reis	Rheumatology	Saskatchewan Health Authority	Sicca Syndrome as a Rare Clinical Feature of System AL Amyloidosis
Dr. Kerri Schellenberg	Neurology	ALS Society of Saskatchewan	Electrical Impedance Tomography in Measurement of Lung Recruitment in Motor Neuron Disease (MND)
Dr. Kerri Schellenberg	Neurology	Apellis Pharmaceuticals , Inc.	CDA: CG2921-CDN013: Confidentiality Agreement for a Phase 2 clinical study in Amyotrophic Lateral Sclerosis
Dr. Kerri Schellenberg	Neurology	ICON Clinical Research Limited	Confidential Disclosure Agreement with ICON for studies related to MT-1186
Dr. Kerri Schellenberg	Neurology	University of Winnipeg	Integrase Inhibitors as a therapeutic modality for ALS
Dr. Jay Shavadia	Cardiology	Hamilton Health Sciences Corporation	Confidentiality Agreement - CLEAR SYNERGY (OASIS 9): A 2x2 factorial randomized controlled trial of Colchicine and spironolactone in patients with ST elevation myocardial infarction/SYNERGY Stent Registry - Organization to Assess Strategies for Ischemic Syndromes 9

PI	Division	Agency	Title
Dr. Jay Shavadia	Cardiology	Minneapolis Heart Institute Foundation	North American COVID-19 ST-Segment Elevation Myocardial Infarction (NACMI) Registry
Dr. Jay Shavadia	Cardiology	Saint Luke's Hospital of Kansas City	Non-Disclosure and Confidentiality Agreement for the "DARE-19" clinical study related to COVID-19
Dr. Ahmed Shoker	Nephrology	Vitaeris Incorporated	A pivotal phase 3 trial to evaluate the safety and efficacy of clazakizumab for the treatment of chronic active antibody mediated rejection in kidney transplant recipients
Dr. Ahmed Shoker	Nephrology	CSL Behring	ICON Study # 3940/0006, Treatment of Chronic Active ABMR in Kidney Transplant Recipients 2019/2020
Dr. Stuart Skinner	Infectious Diseases	Saskatchewan Health Research Foundation	A Distance Access to Prevention, Treatment and Response (ADAPT-R): An agile approach to COVID-19
Dr. Stuart Skinner	Infectious Diseases	PHIVOT Grant Viiv Peer Health Advocate Wellness Network (PHAWN)	Development of a peer-to-peer network support system
Dr. Stuart Skinner	Infectious Diseases	NEIHR Community Partnership Development Grant	Establishing a Virtual Care Clinic for COVID-19 Screening and Treatment in First Nation Communities in Saskatchewan
Dr. Stuart Skinner	Infectious Diseases	NEIHR Community Partnership Development Grant	Nutrition Transition: Preventing, Reversing and Curing Diabetes in Partnership with Indigenous Communities
Dr. Stuart Skinner	Infectious Diseases	SHRF Connections	COVID-19 Rapid Response: A Distance Access to Prevention, Treatment and Response (ADAPT-R): An agile approach to COVID-19
Dr. Stuart Skinner	Infectious Diseases	College of Medicine Deans Project	Asset Mapping Healthcare Services for HIV and HCV Management in First Nations Communities
Dr. Stuart Skinner	Infectious Diseases	Network Environments for Indigenous Health Research (NEIHR) The	

PI	Division	Agency	Title
		Saskatchewan First Nations and Metis Health and Wellness Research, Training, and Knowledge Mobilization Network (CIHR-NEIHR Centre)	
Dr. Stuart Skinner	Infectious Diseases	Merck Peer Health Advocate Wellness Network (PHAWN)	Implementing a Rural Peer Network to Improve Education, Linkage and Treatment of HIV and HCV in Saskatchewan
Dr. Stuart Skinner (Co-PI)	Infectious Diseases	Gilead Investigator Initiated Grant Program	Evaluation of Elvitegravir/Cobicistat/Emtricitabine/Tenofovir Alafenamide (ECF/TAF) Switch followed by Sofosbuvir/Velpatasvir (SOF/VEL) Antiviral HCV Therapy followed by Bictegravir/Emtricitabine/Tenofovir Alafenamide (B/F/TAF) Simplification in HIV
Dr. Stuart Skinner	Infectious Diseases	University of Saskatchewan Biomedical Research Project	Care Cascade in Community
Dr. Rod Stryker	Nephrology	RUH Foundation	Microbiological analysis of tunnelled hemodialysis catheters isolated from patients receiving hemodialysis in the SHA
Dr. Eric Sy	General Internal Medicine	College of Medicine	Evaluation of outcomes and safety of patients discharged directly to home from the ICU
Dr. Julian Tam	Respirology Critical Care and Sleep Medicine	Department of Medicine	Saskatoon Adult Cystic Fibrosis Clinic Equipment
Dr. Jose Tellez-Zenteno	Neurology	Centre Hospitalier de L'universite de Montreal	The EDGAR study (Elderly with epilepsy DruG AppRopriateness)
Dr. Jose Tellez-Zenteno	Neurology	College of Medicine	An evaluation of stigma in patients with epilepsy in a Canadian Center
Dr. Jose Tellez-Zenteno	Neurology	Department of Medicine	Ambulatory EEG as Diagnostic tool for Seizure Recurrence in Patients with Single Unprovoked Seizure: The CX-Seizure Study

PI	Division	Agency	Title
Dr. Jose Tellez-Zenteno	Neurology	Department of Medicine	Validation of a Mobile-electroencephalogram Technology for the Diagnosis of Epilepsy at RUH
Dr. Chung-Chun Tyan	Respirology Critical Care and Sleep Medicine	Department of Medicine	Improving access to advanced bronchoscopy procedure at RUH
Dr. Chung-Chun Tyan	Respirology Critical Care and Sleep Medicine	Respiratory Research Centre	Development and testing of a novel transbronchial lung parenchymal biopsy tool
Dr. Sabira Valiani	General Internal Medicine	College of Medicine	Intensive End of Life Care: Implementation of a guideline-based order set for the withdrawal of life-sustaining therapy in the ICU
Dr. Alexander Wong (Co-PI)	Infectious Diseases	Gilead Investigator Initiated Grant Program	Evaluation of Elvitegravir/Cobicistat/Emtricitabine/Tenofovir Alafenamide (ECF/TAF) Switch followed by Sofosbuvir/Velpatasvir (SOF/VEL) Antiviral HCV Therapy followed by Bictegravir/Emtricitabine/Tenofovir Alafenamide (B/F/TAF) Simplification in HIV

DEPARTMENT of MEDICINE PUBLICATIONS

SECTION VIII

Each publication is included only once and is in order based on the last name of the **first listed** Department of Medicine author.

The names of Department of Medicine faculty (or Professional Research Associate) are bolded.

Baldwin, P, **Arnason, T**, Singh, N, Otani, R, and Groot, G (2020) [The Role of a Pre-Fine Needle Aspiration Clinic in Improving the Quality of Thyroid Nodule Investigation in Saskatchewan](#). *Open Journal of Radiology*, 10, 23-34.

Ambasta A, Balan M, Mayette M, Goffi A, Mulvagh S, Buchanan B, Montague S, Ruzycki S, Ma IWY, Ambasta A, Balan M, Blouw M, Buchanan B, **Card SE**, Chan B, Desy J, Demchuk G, Gebhardt CR, Goffi A, Halman S, Kerr B, Ma IWY, Martin L, Mayette M, Montague SJ, Mulvagh S, Ringrose J, Ruzycki S, Schaefer JP, Yu J. [Correction to: Internal Medicine Point of Care Ultrasound: Indicators It's Here to Stay](#). *Journal of General Internal Medicine*. 2020 Feb;35(2):624.

Cumyn, A., **Card, S. E.**, & Gibson, P. (2019). [Education Research - GIM](#). *Canadian Journal of General Internal Medicine*, 14(3),13-29.

Carter A. [A North American History of Cannabis Use in the Treatment of Epilepsy](#). *Journal of Clinical Neurophysiology*. 2020 Jan;37(1):35-38.

Cockcroft DW, Davis BE, Tollefson G, Yurach Pikaluk M. [Acute salbutamol bronchoprotection against methacholine: Asthma compared with chronic obstructive pulmonary disease](#). *Annals of Allergy, Asthma and Clinical Immunology*. 2020 Jun;124(6):633-634.

Cockcroft DW, Davis BE, Blais CM. [Comparison of methacholine and mannitol challenges: importance of method of methacholine inhalation](#). *Allergy, Asthma and Clinical Immunology*. 2020;16:14.

Cockcroft DW, Davis BE, Blais CM, Boulet LP, Boulay MÉ, Villeneuve H, Gauvreau GM, O'Byrne PM, Howie KJ, Obminski CD. [Use of a vibrating mesh nebulizer for allergen challenge](#). *Allergy, Asthma and Clinical Immunology*. 2019;15:73.

Maharaj N, **Cockcroft DW**. [Reversible bilateral phrenic nerve paralysis](#). *Respiratory Medicine Case Report*. 2019;28:100953.

Cockcroft, DW. [Methacholine challenge testing in the diagnosis of asthma](#). *Chest*: [online] June 2020.

Cockcroft, DW. (2020). [Asthma 2019: year in review](#). *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*, 4(S1): S18-S20.

Lok, S., & **Cockcroft, DW**. (2020). [A case of pneumonia](#). *Canadian Journal of Diagnosis*, 38(1):1-1.

Agarwal, J., Dimitrov, M., MacKay, K., Peters, J., Kaplan, A., **Cockcroft, D.**, & Vethanayagam, D. (2019). [The role of primary care in asthma control and severity](#). *Spectrum*, (4).

Leis B, Frost A, Bryce R, Lyon AW, **Coverett K**. Altering standard admission order sets to promote clinical laboratory stewardship: a cohort quality improvement study. *BMJ Quality and Safety*. 2019 Oct;28(10):846-852.

Derstenfeld A, **Cullingham K**, Ran ZC, Litvinov IV. Review of Evidence and Recommendation for Human Papillomavirus (HPV) Vaccination of Canadian Males Over the Age of 26 Years. *Journal of Cutaneous Medicine and Surgery*. 2020 May/Jun;24(3):285-291.

Mayba, J and **K. Cullingham**. Blue rubber bleb nevus syndrome *CMAJ* July 29, 2019; 191 (30).

Curry, L, and **K. Cullingham**. 2020. *Atrichia with papular lesions: A case report. JCMS Case Reports*. Jan 11,2020. Vol 8 (1-3).

Blais CM, **Davis BE**, **Cockcroft DW**. The effect of deep inhalation on mannitol responsiveness. *Clinical and Experimental Allergy*. 2020 Mar;50(3):308-314.

Blais CM, **Davis BE**, **Graham BL**, **Cockcroft DW**. Respiratory Duty Cycles in Individuals With and Without Airway Hyperresponsiveness. *Chest*. 2020 Feb;157(2):356-362.

Gauvreau GM, White L, **Davis BE**. Anti-alarmin approaches entering clinical trials. *Current Opinion in Pulmonary Medicine* 2020 Jan;26(1):69-76.

Okonkwo CS, **Davis BE**, Blais CM, **Cockcroft DW**. Short-term effect of once-daily fluticasone furoate on methacholine-induced bronchoconstriction in mild asthmatics. *Respiratory Medicine*. 2019 Sep;156:53-57.

M Keir, M Penner, **P Dehghani**, C Neudorf, HJ Lim, TJ Bradley, T Bree, A Kakadekar. Barriers to Care in ACHD: A Study of Young Adults in Saskatchewan. *CJC Open* 2020 May 28, 2020.

Dehghani P, Davidson LJ, Grines CL, Nayak K, Saw J, Kaul P, Bagai A, Garberich R, Schmidt C, Ly Md Sm HQ, Giri J, Meraj P, Shah B, Garcia S, Sharkey S, Wood DA, Welt FG, Mahmud EM, Henry TD. North American COVID-19 ST-segment preaut infarction (NACMI) registry: Rationale, design, and implications. *American Heart Journal*. 2020 May 16; [Online ahead of print]

Szerlip M, Anwaruddin S, Aronow HD, Cohen MG, Daniels MJ, **Dehghani P**, Drachman DE, Elmariah S, Feldman DN, Garcia S, Giri J, Kaul P, Kapur N, Kumbhani DJ, Meraj PM, Morray B, Nayak KR, Parikh SA, Sakhuja R, Schussler JM, Seto A, Shah B, Swaminathan RV, Zidar DA, Naidu SS. Considerations for cardiac catheterization laboratory procedures during the COVID-19 pandemic. Perspectives from the Society for Cardiovascular Angiography and Interventions Emerging Leader Mentorship (SCAI ELM) Members and Graduates. *Catheterization and Cardiovascular Intervention*. 2020 Mar 25; [Online ahead of print]

Dehghani P, Singer Z, Morrison J, Booker J, **Lavoie A**, **Zimmermann R**, **Basran P**, Webb JG, Cheema AN, Pibarot P, Clavel MA. Characteristics and usefulness of unintended premature ventricular contraction during invasive assessment of aortic stenosis. *International Journal of Cardiology*. 2020 Feb 28; [Online ahead of print]

Ghaedian T, Behbudnia T, **Dehghani P**. Comparison of Quantitative Perfusion and Function Parameters of Gated-SPECT Myocardial Perfusion Imaging in Patients With Concordant and Discordant Left Bundle-Branch Block. *Clinical Nuclear Medicine*. 2020 Jan;45(1):7-10.

Wood DA, Cairns JA, Wang J, Mehran R, Storey RF, Nguyen H, Meeks B, Kunadian V, Tanguay JF, Kim HH, Cheema A, **Dehghani P**, Natarajan MK, Jolly SS, Amerena J, Keltai M, James S, Hlinomaz O, Niemela K, AlHabib K, Lewis BS, Nguyen M, Sarma J, Dzavik V, Della Siega A, Mehta SR; COMPLETE Investigators. Timing of Staged Nonculprit Artery Revascularization in Patients With ST-Segment Elevation Myocardial Infarction: COMPLETE Trial. *Journal of the American College of Cardiology*. 2019 Dec 3;74(22):2713-2723.

Dehghan A, Haseli S, Keshavarz P, Ahmadi M, **Dehghani P**. Be Aware of Aberrant Right Subclavian Artery Origin Before Aortic Coarctation Stenting: A Case Report Study. *Vascular and Endovascular Surgery*. 2019 Oct;53(7):609-612.

Kachuri L, Beane Freeman LE, Spinelli JJ, Blair A, Pahwa M, Koutros S, Hoar Zahm S, Cantor KP, Weisenburger DD, Pahwa P, **Dosman JA**, McLaughlin JR, Demers PA, Harris SA. Insecticide use and risk of non-Hodgkin lymphoma subtypes: a subset meta-analysis of the North American Pooled Project. *International Journal of Cancer*. 2020 Jun 23. [Online ahead of print]

Latifovic L, Freeman LEB, Spinelli JJ, Pahwa M, Kachuri L, Blair A, Cantor KP, Zahm SH, Weisenburger DD, McLaughlin JR, **Dosman JA**, Pahwa P, Koutros S, Demers PA, Harris SA. Pesticide use and risk of Hodgkin lymphoma: results from the North American Pooled Project (NAPP). *Cancer Causes & Control*. 2020 Jun;31(6):583-599.

Voaklander DC, Norman P, **Dosman JA**, Day A, Brison RJ, **Koehncke N**, Pickett W. Determinants of injury among older Saskatchewan farm operators: A prospective cohort study. *American Journal of Industrial Medicine Med*. 2019 Dec;62(12):1135-1143.

Pahwa M, Beane Freeman LE, Spinelli JJ, Blair A, McLaughlin JR, Zahm SH, Cantor KP, Weisenburger DD, Punam Pahwa PP, **Dosman JA**, Demers PA, Harris SA. Glyphosate use and associations with non-Hodgkin lymphoma major histological sub-types: findings from the North American Pooled Project. *Scandinavian Journal of Work, Environment and Health*. 2019 Nov 1;45(6):600-609.

Sawicka K, Hassan N, **Dumaine C**, **Budd A**, **Wall C**, Banerjee T, Lim HJ, Mondal P, **Barton J**, Moser MAJ. Direction of the Biopsy Needle in Ultrasound-Guided Renal Biopsy Impacts Specimen Adequacy and Risk of Bleeding. *Canadian Association of Radiologists Journal*. 2019 Nov;70(4):361-366.

Hayward MN, Pace R, Zaran H, **Dyck R**, Hanley AJ, Green ME, Bhattacharyya O, Zwarenstein M, Emond J, Benoit C, Jebb ML, Harris SB. Closing the indigenous health gap in Canada: Results from the TransFORMATION of IndiGENous PrimARy HEALthcare delivery (FORGE AHEAD) program. *Diabetes Research and Clinical Practice*. 2020 Apr;162.

Dyck RF, Karunanayake C, Pahwa P, Stang M, Osgood ND. Epidemiology of Diabetes in Pregnancy Among First Nations and Non-First Nations Women in Saskatchewan, 1980–2013. Part 2: Predictors and Early Complications; Results From the Diabetes in Pregnancy: Outcomes and Ramification from a Retrospective Longitudinal Intra- Intergenerational Study in Saskatchewan Project. *Canadian Journal of Diabetes*. 2019 Nov 20; S1499-2671(19)30713-0. [Online ahead of print]

Dyck RF, Karunanayake C, Pahwa P, Stang M, Osgood ND. Epidemiology of Diabetes in Pregnancy Among First Nations and Non-First Nations Women in Saskatchewan, 1980–2013. Part 1: Populations, Methodology and Frequencies (1980–2009); Results From the DIP: ORRIGENSS Project. *Canadian Journal of Diabetes*. 2019 Nov 1; S1499-2671(19)30680-X. [Online ahead of print]

Yagelniski, A, Rosassen N, Cardinal L, **Fenton ME, Tam J, Mansell M.** A Qualitative Study to Explore the Needs of Lung Transplant Caregivers. *Progress in Transplantation*. 2020 Jun 18 [Online ahead of print].

Franczak A, Bil-Lula I, Sawicki G, **Fenton M, Ayas N, Skomro R.** Matrix metalloproteinases as possible biomarkers of obstructive sleep apnea severity - A systematic review. *Sleep Medicine Reviews*. 2019 Aug;46:9-16.

Oluwole O, Rennie DC, **Goodridge D, Blackburn D, Litzenberger T, Penz E, Lawson JA.** The course of asthma: a population-based 10-year study examining asthma remission in children diagnosed with asthma in preschool. *Pediatric Pulmonology*. 2020 Jun 1.

Oluwole O, Rennie DC, **Goodridge D, Blackburn D, Penz E, Litzenberger T, Cockcroft D, Lawson JA.** Urban-rural differences in health care utilization and prescription filling for childhood asthma. *Annals of Allergy, Asthma & Immunology*. 2020 Apr 28 ;S1081-1206(20)30266-0. [Online ahead of print]

Brown J, **Goodridge D, Harrison A, Kemp J, Thorpe L, Weiler R.** Medical Assistance in Dying: Patients', Families', and Health Care Providers' Perspectives on Access and Care Delivery. *Journal of Palliative Medicine*. 2020 Apr 17. [Online ahead of print]

Udod SA, Duchscher JB, **Goodridge D, Rotter T, McGrath P, Hewitt AD.** Nurse managers implementing the lean management system: A qualitative study in Western Canada. *Journal of Nursing Management*. 2020 Mar;28(2):221-228.

McLean A, McDonald W, **Goodridge D, Osgood N.** Agent-Based Modeling: A Method for Investigating Challenging Research Problems. *Nursing Research*. 2019 Nov/Dec;68(6):473-482.

Goodridge D, Peters J. Palliative care as an emerging role for respiratory health professionals: Findings from a cross-sectional, exploratory Canadian survey. *Canadian Journal of Respiratory Therapy*. 2019;55:73-80.

Janaudis-Ferreira T, Tansey CM, Harrison SL, Beaurepaire CE, **Goodridge D, Bourbeau J, Baltzan M.** A Qualitative Study to Inform a More Acceptable Pulmonary Rehabilitation Program after Acute Exacerbation of Chronic Obstructive Pulmonary Disease. *Annals of the American Thoracic Society*. 2019 Sep;16(9):1158-1164.

Rotter T, Plishka C, Lawal A, Harrison L, Sari N, **Goodridge D**, Flynn R, Chan J, Fiander M, Poksinska B, Willoughby K, Kinsman L. [What Is Lean Management in Health Care? Development of an Operational Definition for a Cochrane Systematic Review](#). *Evaluations & the Health Professions*. 2019 Sep;42(3):366-390.

Goodridge D, McDonald M, New L, Scharf M, Harrison E, Rotter T, Watson E, Henry C, **Penz ED**. [Building patient capacity to participate in care during hospitalisation: a scoping review](#). *BMJ Open*. 2019 Jul 3;9(7).

New L, **Goodridge D**, **Kappel J**, **Lawson J**, Dobson R, **Penz E**, Groot G, **Gjevre J**. [Perceptions of hospital safety for inpatients with chronic kidney disease: a cross-sectional quantitative study](#). *Canadian Association of Nephrology Nurses and Technologists Journal* 2020, 30(1), 13-21.

N Grewal N, McMullin K, **Goodridge D**, Oddie M, **Gordon J**, Puchalski Ritchie LM, **Hoepfner V**, Rea E, Wobeser W. [Lessons learned from using Indigenous methodologies for co-creation of TB policy](#). *The International Journal of Tuberculosis and Lung Disease*. 2019; 23: S298.

Rezaei E, Hogan D, Trost B, Kusalik AJ, Boire G, Cabral DA, Campillo S, Chédeville G, Chetaille AL, Dancy P, Duffy C, Duffy KW, Eng SWM, **Gordon, J**, Guzman J, Houghton K, Huber AM, Jurencak R, Lang B, Laxer RM, Morishita K, Oen KG, Petty RE, Ramsey SE, Scherer SW, Scuccimarri R, Spiegel L, Stringer E, **Taylor-Gjevre RM**, Tse SML, Tucker LB, Turvey SE, Tupper S, Wintle RF, Yeung RSM, Rosenberg AM. [Associations of clinical and inflammatory biomarker clusters with juvenile idiopathic arthritis categories](#). *Rheumatology (Oxford)*. 2020 May 1;59(5):1066-1075.

Rezaei E, Hogan D, Trost B, Kusalik AJ, Boire G, Cabral DA, Campillo S, Chédeville G, Chetaille AL, Dancy P, Duffy C, Watanabe Duffy K, **Gordon J**, Guzman J, Houghton K, Huber AM, Jurencak R, Lang B, Morishita K, Oen KG, Petty RE, Ramsey SE, Scuccimarri R, Spiegel L, Stringer E, **Taylor-Gjevre RM**, Tse SML, Tucker LB, Turvey SE, Tupper S, Yeung RSM, Benseler S, Ellsworth J, Guillet C, Karananayake C, Muhajarine N, Roth J, Schneider R, Rosenberg AM. [Clinical and associated inflammatory biomarker features predictive of short-term outcomes in non-systemic juvenile idiopathic arthritis](#). *Rheumatology (Oxford)*. 2020 Jan 9; [Online ahead_of print]

Graham BL, Steenbruggen I, Miller MR, Barjaktarevic IZ, Cooper BG, Hall GL, Hallstrand TS, Kaminsky DA, McCarthy K, McCormack MC, Oropez CE, Rosenfeld M, Stanojevic S, Swanney MP, Thompson BR. [Standardization of Spirometry 2019 Update. An Official American Thoracic Society and European Respiratory Society Technical Statement](#). *Am J Respir Crit Care Med*. 2019 Oct 15;200(8):e70-e88.

Weiner DJ, **Graham B**, Stanojevic S. [Ethnically Diverse Normative Data for Diffusing Capacity and Lung Volumes: Another Research Priority](#). *Ann Am Thorac Soc*. 2020 Jan;17(1):128.

Graham BL, Steenbruggen I. [Reply to Arce: On the 2019 Spirometry Statement](#). *Am J Respir Crit Care Med*. 2020 Mar 1;201(5):627.

Graham BL, Steenbruggen I. [Reply to Townsend: The American Thoracic Society/European Respiratory Society 2019 Spirometry Statement and Occupational Spirometry Testing in the United States](#). *Am J Respir Crit Care Med*. 2020 Apr 15;201(8):1012.

Townsend MC, **Graham BL**. [Impact of New Occupational and Clinical Standards on Spirometry](#). *J Occup Environ Med*. 2020 May;62(5):e231-e232.

Olszynski P, Kim DJ, Ma IWY, Clunie M, Lambos P, **Guzowski T**, Butz M, Thoma B. [The development of a provincial multidisciplinary framework of consensus-based standards for Point of Care Ultrasound at the University of Saskatchewan](#). *The Ultrasound Journal*. 2019 Oct 17;11(1):28.

Doenst T, **Haddad H**, Stebbins A, Hill JA, Velazquez EJ, Lee KL, Rouleau JL, Sopko G, Farsky PS, Al-Khalidi HR. [Renal function and coronary bypass surgery in patients with ischemic heart failure](#). *The Journal of Thoracic & Cardiovascular Surgery*. 2020 Apr 3; S0022-5223(20)30742-X. [Online ahead of print]

Frost A, **Haddad H**, **Shavadia J**. [Mechanical circulatory support in cardiogenic shock](#). *Current Opinion in Cardiology*. 2020 Mar;35(2):145-149.

Writing Group, Virani SA, Zieroth S, Bray S, Ducharme A, Harkness K, Koshman SL, McDonald M, O'Meara E, Swiggum E; Canadian Heart Failure Society and the Canadian Cardiovascular Society Heart Failure Guidelines Panel; CCS HF Guidelines Primary and Secondary Panel, Chan M, Ezekowitz JA, Giannetti N, Grzeslo A, Heckman GA, Howlett JG, Lepage S, Mielniczuk L, Moe GW, Toma M, Abrams H, Al-Hesaye A, Cohen-Solal A, D'Astous M, De S, Delgado D, Desplantie O, Estrella-Holder E, Green L, **Haddad H**, Hernandez AF, Kouz S, LeBlanc MH, Lee D, Masoudi FA, Matteau S, McKelvie R, Parent MC, Rajda M, Ross HJ, Sussex B. [The Status of Specialized Ambulatory Heart Failure Care in Canada: A Joint Canadian Heart Failure Society and Canadian Cardiovascular Society Heart Failure Guidelines Survey](#). *CJC Open*. 2020 Mar 7;2(3):151-160.

O'Meara E, McDonald M, Chan M, Ducharme A, Ezekowitz JA, Giannetti N, Grzeslo A, Heckman GA, Howlett JG, Koshman SL, Lepage S, Mielniczuk LM, Moe GW, Swiggum E, Toma M, Virani SA, Zieroth S, De S, Matteau S, Parent MC, Asgar AW, Cohen G, Fine N, Davis M, Verma S, Cherney D, Abrams H, Al-Hesayen A, Cohen-Solal A, D'Astous M, Delgado DH, Desplantie O, Estrella-Holder E, Green L, **Haddad H**, Harkness K, Hernandez AF, Kouz S, LeBlanc MH, Lee D, Masoudi FA, McKelvie RS, Rajda M, Ross HJ, Sussex B. [CCS/CHFS Heart Failure Guidelines: Clinical Trial Update on Functional Mitral Regurgitation, SGLT2 Inhibitors, ARNI in HFpEF, and Tafamidis in Amyloidosis](#). *The Canadian Journal of Cardiology*. 2020 Feb;36(2):159-169.

Shannon CP, Hollander Z, Dai DLY, Chen V, Assadian S, Lam KK, McManus JE, Zarzycki M, Kim Y, Kim JV, Balshaw R, Gidlöf O, Öhman J, Smith JG, Toma M, Ignaszewski A, Davies RA, Delgado D, **Haddad H**, Isaac D, Kim D, Mui A, Rajda M, West L, White M, Zieroth S, Tebbutt SJ, Keown PA, McMaster WR, Ng RT, McManus BM. [HEARTBiT: A Transcriptomic Signature for Excluding Acute Cellular Rejection in Adult Heart Allograft Patients](#). *The Canadian Journal of Cardiology*. 2019 Nov 25;S0828-282X(19)31442-4. [Online ahead of print]

Haddad H, Bergeron S, Ignaszewski A, Searless G, Rochdi D, Dhage P, Bastien N. [Canadian Real-World Experience of using Sacubitril/Valsartan in Patients with Heart failure with Reduced Ejection Fraction: Insight from the PARASAIL Study](#). *CJC Open* 2020 Sept (2)5,344-353. Open Access Published April 26 2020.

Mount S, Kanda P, Parent S, Khan S, Michie C, Davila L, Chan V, Davies RA, **Haddad H**, Courtman D, Stewart DJ, Davis DR. [Physiologic expansion of human heart-derived cells enhances therapeutic repair of injured myocardium](#). *Stem Cell Research & Therapy*. 2019 Nov. 0000 4;10(1):316.

Nicolau JC, Stevens SR, Al-Khalidi HR, Jatene FB, Furtado RHM, Dallan LAO, Lisboa LAF, Desvigne-Nickens P, **Haddad H**, Jolicoeur EM, Petrie MC, Doenst T, Michler RE, Ohman EM, Maddury J, Ali I, Deja MA, Rouleau JL, Velazquez EJ, Hill JA. [Does prior coronary angioplasty affect outcomes of surgical coronary revascularization? Insights from the STICH trial](#). *International Journal of Cardiology*. 2019 Sep 15;291:36-41.

Hernández-Ronquillo L, Thorpe L, Dash D, Hussein T, Hunter G, Waterhouse K, Laboni Roy P, **Télez-Zenteno JF**. [Diagnostic Accuracy of the Ambulatory EEG vs. Routine EEG for First Single Unprovoked Seizures and Seizure Recurrence: The DX-Seizure Study](#). *Frontiers in Neurology*. 2020;11:223.

Bastos ML, Campbell JR, Oxlade O, Adjobimey M, Trajman A, Ruslami R, Kim HJ, Baah JO, Toelle BG, Long R, **Hoepfner V**, Elwood K, Al-Jahdali H, Apriani L, Benedetti A, Schwartzman K, Menzies D. [Health System Costs of Treating Latent Tuberculosis Infection With Four Months of Rifampin Versus Nine Months of Isoniazid in Different Settings](#). *Annals of Internal Medicine*. 2020 Aug 4; 173(3): 169-178. (Epublished June 16, 2020)

Essien SK, Epp T, Waldner C, Wobeser W, **Hoepfner V**. [Tuberculosis in Canada and the United States: a review of trends from 1953 to 2015](#). *Canadian Journal of Public Health*. 2019 Dec;110(6):697-704.

Jansen L, Maina G, Horsburgh B, Kumaran M, Mcharo K, Laliberte G, **Kappel J**, Bullin CA. [Co-Developed Indigenous Educational Materials for Chronic Kidney Disease: A Scoping Review](#). *Canadian Journal of Kidney Health and Disease*. 2020 May 20; 7: 2054358120914689

Richels L, Sutherland W, Prettyshield K, **Kappel J**, McCarron M, **Richardson B**. [Community-Based Dialysis in Saskatchewan First Nations: A Grassroots Approach to Gaining Insight and Perspective From First Nations Patients With Chronic Kidney Disease](#). *Canadian Journal of Kidney Health and Disease*. 2020 May 20; 7: 2054358120914689.

Chu LM, **Karunanayake CP**, **Dosman JA**, Pahwa P. [Lung Function Decline in Farm and Nonfarm Rural Residents of Saskatchewan](#). *Journal of Occupational and Environmental Medicine*. 2020 June;62(6).

Abubakari IW, Ahmed S, Khan S, **Karunanayake C**, **Dosman J**, Pahwa P. [Longitudinal Changes in Prevalence of Colorectal Cancer in Farm and Non-farm Residents of Saskatchewan](#). *Journal of Occupational and Environmental Medicine*. 2020 Jun 24. [Online ahead of print]

Zahan R, Khan S, Rennie DC, **Karunanayake CP**, **Fenton M**, Seesequasis J, Arnault D, Gardipy J, **Dosman JA**, Pahwa P. [Lung Function Reference Equations and Lower Limit of Normal for Cree First Nations Children and Adolescents Living in Rural Saskatchewan, Canada](#). *Model Assisted Statistics and Applications* 2020 May; 15(2): 153 – 165.

Rennie DC, **Karunanayake CP**, Lawson JA, Kirychuk S, McMullin K, Abonyi S, Seesequasis J, MacDonald J, **Dosman JA**, Pahwa P. Domestic Risk Factors for Atopic and non-Atopic Asthma in First Nations Children Living in Saskatchewan, Canada. *Children (Basel)*. 2020 Apr 27;7(5).

Karunanayake CP, Amin K, Abonyi S, **Dosman JA**, Pahwa P. Prevalence and determinants of asthma among aboriginal adolescents in Canada. *The Journal of Asthma*. 2020 Jan;57(1):40-46.

Janzen B, **Karunanayake C**, Rennie D, **Lawson J**, **Dosman JA**, Pahwa P. Depression and binge drinking in farm and non-farm rural adults in Saskatchewan, Canada. *Rural and Remote Health*. 2020 Jan;20(1):5530.

Torresyap V, Hoover J, **Karunanayake C**, Rae J, Tomchuck K. Prosthodontic, Periodontal, and Other Common Needs of Older Adults Seeking Treatment at a Canadian Dental School: A 30-year Comparison. *International Journal of Experimental Dental Science* 2019; 8 (1):1-5.

Karunanayake C, **Dosman J**, **Fenton M**, Rennie D, **Kirychuk S**, Ramsden V, Seesequasis J, Abonyi S, Pahwa P. First Nations Lung Health Project Research Team. Association between Co-Morbidities and the Prevalence of Excessive Daytime Sleepiness over a Four-Year Period. *Clocks & Sleep* 2019; 1(4): 459-470.

Singh R, Perera SR, **Katselis GS**, Chumala P, Martin I, Kusalik A, Mitzel KM, Dillon JR. A β -lactamase-producing plasmid from *Neisseria gonorrhoeae* carrying a unique 6 bp deletion in blaTEM-1 encoding a truncated 24 kDa TEM-1 penicillinase that hydrolyses ampicillin slowly. *The Journal of Antimicrobial Chemotherapy*. 2019 Oct 1;74(10):2904-2912.

Jull J, **King A**, King M, Graham I, Ninomiya M M, Jacklin K, Moody-Corbett P, Moore J. (2020). A principled approach to research conducted with Inuit, Metis and First Nations People: promoting engagement inspired by the CIHR guidelines for health research involving Aboriginal People (2007-2010). *The International Indigenous Policy Journal*. 11(2): 1-55.

Ryan C, Jackson R, Gabel C, **King A**, Masching R, Thomas EC.. Successful Aging: Indigenous Men Aging in a Good Way with HIV/AIDS. *Canadian Journal on Aging/ La Revue canadienne du vieillissement*. (2019)1: 1-13

Chelico L, **King A**, Ticknor J, McDonald M, Rosenes R, Mercredi J, Saddleback J, Bailey G, King M. Perspectives of Saskatchewan researchers and community members on HIV-1 strains circulating in Saskatchewan. *AIDS*. 2020 Mar 3; [Online ahead of print]

Maina G, Phaneuf T, Kennedy M, Mclean M, Gakumo A, Nguemo J, **King A**, Mcharo SK. School-based interventions for preventing substance use in indigenous children ages 7-13: a scoping review protocol. *BMJ Open*. 2020 Feb 12;10(2).

Letendre A, Garvey G, **King A**, King M, Crowshoe R, Bill L, Caron NR, Elias B. Creating a Canadian Indigenous Research Network Against Cancer to Address Indigenous Cancer Disparities. *JCO Global Oncology*. 2020 Feb;6:92-98.

Wong JFW, **Kirk A**, Perlett L, **Karunanayake C**, **Morgan D**, O'Connell ME. Characteristics of Young-Onset and Late-Onset Dementia Patients at a Remote Memory Clinic. *The Canadian Journal of Neurological Sciences*. 2020 May;47(3):320-327.

Robertson O, **Kirk A**, Karunanayake C, **Morgan D**, O'Connell ME. Women and Men Presenting to a Rural and Remote Memory Clinic in Saskatchewan, Canada Show Similar Cognitive Findings for Dementia. *Alzheimer Disease and Associated Disorders*. Apr-Jun 2020; 34(2), 183-187.

Dankwah E, **Kiryuchuk S**, Zeng W, Feng C, Farag M. Socioeconomic inequalities in the use of caesarean section delivery in Ghana: a cross-sectional study using nationally representative data. *International Journal for Equity in Health*. 2019 Oct 25;18(1):162.

Dankwah E, Zeng W, Feng C, **Kiryuchuk S**, Farag M. The social determinants of health facility delivery in Ghana. *Reproductive Health*. 2019 Jul 10;16(1):101.

Khan MI, Bath B, Kociolek A, Zeng X, **Koehncke N**, **Trask C**. Trunk Posture Exposure Patterns among Prairie Ranch and Grain Farmers. *Journal of Agromedicine*. 2020 Apr;25(2):210-220.

Rebelo P, Girón LG, Buchta W, **Koehncke N**, Fischer FM, Buosi D, Heron R, Dias EC, Bandini M, Handar Z. Manifesto of Rio de Janeiro on public occupational health policies: towards strengthening, follow-up and implementation. *Rev Bras Med Trab*. 2020 Apr 24;16(4):521-523.

Martin-Misener R, Macleod MLP, Wilson EC, **Kosteniuk JG**, Penz KL, Stewart NJ, Olynick J, **Karunanayake CP**. The Mosaic of Primary Care Nurses in Rural and Remote Canada: Results from a National Survey. *Health Policy*. 2020 Feb;15(3):63-75.

Harenberg S, Onge J, Robinson J, Eguakun O, **Lavoie A**, Dorsch K, Kakar R, **Dehghani P**. Assessing postoperative cognitive dysfunction using 3D multiple object tracking in open heart surgery patients. *Technology and Disability*. 1 June 2020; 32 (2), 123-128.

Lavoie A. Iron deficiency in heart failure: getting to the guidelines. *Current Opinion in Cardiology*. 2020 March 35: 133-137.

Wood DA, Sathanathan J, Gin K, Mansour S, Ly HQ, Quraishi AU, **Lavoie A**, Lutchmedial S, Nosair M, Bagai A, Bainey KR, Boone RH, Liu S, Krahn A, Virani S, Mehta SR, Natarajan MK, Velianou JL, **Dehghani P**, Wijeyesundera HC, Asgar AW, Virani A, Welsh RC, Webb JG, Cohen EA. Precautions and Procedures for Coronary and Structural Cardiac Interventions During the COVID-19 Pandemic: Guidance from Canadian Association of Interventional Cardiology. *The Canadian Journal of Cardiology*. 2020 May;36(5):780-783.

Oluwole O, Rennie DC, **Lawson JA**. Clinical and complete remission of asthma among schoolchildren. *Annals of Allergy, Asthma & Immunology*. 2020 May 19. [Online ahead of print].

Vlaski E, Stavrikj K, Kimovska M, Cholakovska VC, **Lawson JA**. Divergent trends in the prevalence of asthma-like symptoms and asthma in a developing country: three repeated surveys between 2002 and 2016. *Allergologia et Immunopathologia (Madr)*. 2020 Apr 10. [Online ahead of print]

Khanam UA, Rennie DC, Davis K, **Lawson JA**. Are Dietary Factors Associated with Lung Function in Canadian Adults? *Canadian Journal of Dietetic Practice and Research*. 2020 Mar 1;81(1):28-36.

Oluwole O, Rennie DC, Afanasieva A, **Lawson JA**. Personal and early life factors associated with new-onset asthma, remission, and persistence of asthma in a 2-year follow-up of schoolchildren. *The Journal of Asthma*. 2020 Jan 6;1-9 [Online ahead of print]

Jankowski M, **Lawson JA**, Shpakou A, Poznański M, Zielonka TM, Klimatckaia L, Loginovich Y, Rachel M, Gereová J, Minarowski Ł, Naumau I, Kornicki K, Pełowska P, Kovalevskiy V, Raskiliene A, Bielewicz K, Krištúfková Z, Mróz R, Majek P, Skoczyński S, Zejda JE, Brożek GM. Smoking Cessation and Vaping Cessation Attempts among Cigarette Smokers and E-Cigarette Users in Central and Eastern Europe. *International Journal of Environmental Research and Public Health*. 2019 Dec 18;17(1).

Jankowski M, Brożek GM, **Lawson J**, Skoczyński S, Majek P, Zejda JE. New ideas, old problems? Heated tobacco products - a systematic review. *International Journal of Occupational Medicine and Environmental Health*. 2019 Oct 16;32(5):595-634.

Leis B, Weatherald J, **Basran R**, **De Villiers J**. Pulmonary Embolism: The Value of the Angiographic Diagnosis. *Canadian Journal of Cardiology*. 2019 Jul;35(7)

Freedman MS, Devonshire V, Duquette P, Giacomini PS, Giuliani F, **Levin MC**, Montalban X, Morrow SA, Oh J, Rotstein D, Yeh EA, Canadian MS Working Group (2020) Treatment Optimization in Multiple Sclerosis: Canadian MS Working Group Recommendations. *The Canadian Journal of Neurological Sciences*. 2020 Jul; 47(4):437-455. Epub 2020 Apr 6.

Libner CD, Salapa HE, **Levin MC**. The Potential Contribution of Dysfunctional RNA-Binding Proteins to the Pathogenesis of Neurodegeneration in Multiple Sclerosis and Relevant Models. *International Journal of Molecular Sciences*. 2020 Jun 27;21(13):E4571.

Salapa HE, Libner CD, **Levin MC**. Dysfunctional RNA-binding protein biology and neurodegeneration in experimental autoimmune encephalomyelitis in female mice. *Journal of Neuroscience Research*. 2020 Apr;98(4):704-717.

Knox KB, Saini A, **Levin MC**. The Dilemma of When to Stop Disease-Modifying Therapy in Multiple Sclerosis: A Narrative Review and Canadian Regional Reimbursement Policies. *International Journal of MS Care*. 2020 Mar-Apr;22(2):75-84.

Goulding FL, Evans CD, Knox KB, Lim HJ, **Levin MC**, Donkers SJ. Individualised behaviour change strategies for physical activity in multiple sclerosis (IPAC-MS): protocol for a randomised controlled trial. *Trials*. 2019 Dec 2;20(1):664.

Lam NN, Dipchand C, Fortin MC, Foster BJ, Ghanekar A, Houde I, Kiberd B, Klarenbach S, Knoll GA, Landsberg D, Luke PP, **Mainra R**, Singh SK, Storsley L, Gill J. Canadian Society of Transplantation and Canadian Society of Nephrology Commentary on the 2017 KDIGO Clinical Practice Guideline on the Evaluation and Care of Living Kidney Donors. *Canadian Journal of Kidney Health and Disease*. 2020 Jun 9;7:2054358120918457.

Mainra R, Wong G, Pilmore H, Lim WH. Association of prevalent vascular disease with allograft failure and mortality in live-donor kidney transplant recipients - a retrospective cohort study. *Transplant International*. 2019 Nov;32(11):1161-1172.

Qiao R, **Marciniuk DD**, Buckley JD, Levine SM, Wu S, Wang C. The Strategic Establishment of Pulmonary and Critical Care Medicine as a Subspecialty in China: Third Report From the China-CHEST PCCM Fellowship Project. *Chest*. 2020 May;157(5):1082-1085.

Barrecheuren M, Pinto L, Mostafavi-Pour-Manshadi SM, Tan WC, Li PZ, Aaron SD, Benedetti A, Chapman KR, Walker B, Fitzgerald JM, Hernandez P, Maltais F, **Marciniuk DD**, O'Donnell DE, Sin DD, Bourbeau J. Identification and definition of asthma-COPD overlap: The CanCOLD study. *Respirology*. 2020 Feb 16 [Online ahead of print]

Tan WC, Bourbeau J, Aaron SD, Hogg JC, Maltais F, Hernandez P, **Marciniuk DD**, Chapman KR, To T, FitzGerald JM, Walker BL, Road J, Zheng L, Zhou G, Yau T, Benedetti A, O'Donnell D, Sin DD. The effects of marijuana smoking on lung function in older people. *The European Respiratory Journal*. 2019 Dec;54(6).

Lewthwaite H, Benedetti A, Stickland Mi, Bourbeau Jean, Guenette J, Maltais F, **Marciniuk D**, O'Donnell D, Smith B, Tan W, Jensen D. Normative peak cardiopulmonary exercise test responses in Canadian adults aged ≥ 40 years. *CHEST 2020; In Press June 26, 2020*.

Rabe KF, Martinez FJ, Ferguson GT, Wang C, Singh D, Wedzicha JA, Trivedi R, St. Rose E, Ballal S, McLaren J, Darken P, Aurivillius P, Reisner C, Dorinsky P, ETHOS Investigators (**Marciniuk DD**). Triple Inhaled Therapy at Two Glucocorticoid Doses in Moderate-to-Very-Severe COPD. *New England Journal of Medicine*. 2020; Online Publication June 24, 2020.

Tsuyuki R, Midodzi W, Villa-Roel C, **Marciniuk D**, Mayers I, Vethanayagam D, Chan M, Rowe B. Diagnostic Practices for Patients with Shortness of Breath and Presumed Obstructive Airways Diseases: a cross sectional analysis. *CMAJ Open 2020; In Press June 5, 2020*.

Carlin B, Bauldoff G, Collins E, Garvey C, **Marciniuk DD**, Ries A, Limbert T, ZuWallack R. Medical Director Responsibilities for Outpatient Pulmonary Rehabilitation Programs: 2019. A Statement for Healthcare Professionals from the American Association for Cardiovascular and Pulmonary Rehabilitation (AACVPR). *Journal of Cardiopulmonary Rehabilitation and Prevention*. 2020; 40(3):144-151.

Lok S, Marciniuk J, Baranyi M, **Marciniuk DD**. Enhancing Pulmonary Rehabilitation Enrollment Study. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. Online Publication 27 Apr 2020.

Bourbeau J, Bhutani M, Hernandez P, Aaron SD, Balter M, Beauchesne MF, D'Urzo A, Goldstein R, Kaplan A, Maltais F, Sin DD, **Marciniuk DD**. Canadian Thoracic Society Clinical Practice Guideline on pharmacotherapy in patients with COPD – 2019 update of evidence. *Can J Resp Crit Care Med 2019; 3(4):210-232*.

Criner GJ, Celli BR, Brightling CE, Agusti A, Papi A, Singh D, Sin DD, Vogelmeier CF, Sciruba FC, Bafadhel M, Backer V, Kato M, Ramírez-Venegas A, Wei YF, Bjermer L, Shih VH, Jison M, O'Quinn S, Makulova N, Newbold P, Goldman M, Martin UJ; GALATHEA Study Investigators [**Marciniuk DD**]; TERRANOVA Study Investigators. Benralizumab for the Prevention of COPD Exacerbations. *N Engl J Med* 2019; 381(11):1023-1034.

Wong AW, Fidler L, **Marcoux V**, Johannson KA, Assayag D, Fisher JH, Hambly N, Kolb M, Morisset J, Shapera S, Ryerson CJ. (2020). Practical considerations for the diagnosis and treatment of fibrotic interstitial lung disease during the COVID-19 pandemic. *Chest*. April 23 2020.

Marcoux V, Wang M, Burgoyne SJ, Fell CD, Ryerson CJ, Sajobi TT, Johannson KA. (2019). Mobile health monitoring in patients with idiopathic pulmonary fibrosis. *Annals of the American Thoracic Society*. 16(10): 1327-1329.

Ponzo MG, **Miliszewski M**, Kirchoff MG, Keown PA, Dutz JP. *HLA-B*58:01* Genotyping to Prevent Cases of DRESS and SJS/TEN in East Asians Treated with Allopurinol-A Canadian Missed Opportunity . *Journal of Cutaneous Medicine and Surgery*. 2019 Nov/Dec;23(6):595-601.

Ursenbach J, O'Connell ME, **Morgan D**. Evidence for measurement bias of the short form health survey based on sex and metropolitan influence zone in a secondary care population. *Health and Quality of Life Outcomes*. 2020 Apr 3;18(1):91.

Bayly M, **Morgan D**, Froehlich Chow A, Kosteniuk J, Elliot V. Dementia-Related Education and Support Service Availability, Accessibility, and Use in Rural Areas: Barriers and Solutions. *Canadian Journal on Aging*. 2020 Jan 24;1-41. [Online ahead of print]

Lindenbach J, Larocque S, **Morgan DG**, Jacklin K. Mistreated older adults with dementia in the home: practitioner experience and unattainable professional agency. *Journal of Elder Abuse & Neglect*. 2019 Aug-Dec;31(4-5):373-401.

Ursenbach J, O'Connell ME, Neiser J, Tierney MC, **Morgan D**, Kosteniuk J, Spiteri RJ. Scoring algorithms for a computer-based cognitive screening tool: An illustrative example of overfitting machine learning approaches and the impact on estimates of classification accuracy. *Psychological Assessment*. 2019 Nov v;31(11):1377-1382.

Morgan D, Kosteniuk J, O'Connell ME, **Kirk A**, Stewart NJ, Seitz D, Bayly M, Froehlich Chow A, Elliot V, Daku J, Hack T, Hoium F, Kennett-Russill D, Sauter K. Barriers and facilitators to development and implementation of a rural primary health care intervention for dementia: a process evaluation. *BMC Health Services Research*. 2019 Oct 17;19(1):709.

Kosteniuk J, Stewart NJ, Wilson EC, Penz KL, Martin-Misener R, **Morgan DG**, **Karunanayake C**, MacLeod MLP. Communication tools and sources of education and information: a national survey of rural and remote nurses. *Journal of the Medical Library Association*. 2019 Oct;107(4):538-554.

Chow AF, **Morgan D**, Bayly M, **Kosteniuk J**, Elliot V. Collaborative Approaches to Team-Based Primary Health Care for Individuals with Dementia in Rural/Remote Settings. *Canadian Journal on Aging*. 2019 Sep;38(3):367-383.

Elliot VL, **Morgan D**, **Kosteniuk J**, Froehlich Chow A, Bayly M. Health-related stigma of noncommunicable neurological disease in rural adult populations: A scoping review. *Health & Social Care in the Community*. 2019 Jul;27(4):e158-e188.

Blackberry, I., Wilding, C., Perkins, D., Greenhill, J., Farmer, J., Bauer, M., Winbolt, M., Morley, C., O'Connell, M., & **Morgan, D.** Virtual dementia-friendly rural communities. *Australian Journal of Dementia Care*, 2019 7(6): 11-13.

Bayly, M., **Morgan, D.**, **Kosteniuk, J.**, Elliot, V., Froehlich, Chow A., Peacock, S., McLean, A., & O'Connell, M. Protocol for a systematic review on interventions for caregivers to persons with MCI and early dementia: Does early stage intervention improve caregiver wellbeing and ability to provide care? *BMJ Open*, 2019 May 10;9(5)e028441.

Cammer, A., **Morgan, D.**, & Whiting, S. Nutrition Care for Residents with Dementia in Long-Term Care Homes: Umbrella Review of Care Aide and Registered Dietitian Services. (2019). *International Journal of Aging Research*, 2(32).

Ursenbach J, O'Connell ME, Neiser J, Tierney MC, **Morgan D**, **Kosteniuk J**, Spiteri RJ. Scoring algorithms for a computer-based cognitive screening tool: An illustrative example of overfitting machine learning approaches and the impact on estimates of classification accuracy. *Psychological Assessment*. 2019 Nov v;31(11):1377-1382.

O'Connell, M., Gould, B., Ursenbach, J., Enright, J., & **Morgan, D.** (2019). Reliable change and minimum clinically important difference (MCID) of the Repeatable Battery for the Assessment of Neuropsychology Status (RBANS) in a heterogeneous dementia sample: Support for reliable change methods but not the MCID.. *Applied Neuropsychology Adult*, 26(3): 268-274.

Fraser, S., Lagacé, M*, Bongué, B., Ndeye, N., Guyot, J., Bechard, L., Garcia, L., Taler, V., Members of the CCNA Social Inclusion and Stigma Working Group (including **Debra Morgan**), Adam, S., Beaulieu, M., Bergeron, C.D., Boudjemadi, V., Desmette, D., Donizzetti, A. R., Éthier, S., Garon, S., Gillis, M., Lévasseur, M., Lortie-Lussier, M., Marier, P., Robitaille, A., Sawchuk, K., Lafontaine, C., & Tougas, F. (2020). *Ageism and COVID-19: What does our society's response say about us? Age and Ageing*.

Scerbe, A., O'Connell, M. E., Astell, A., **Morgan, D.**, **Kosteniuk, J.**, & DesRoches, A. (2019). Digital tools for delivery of dementia education for healthcare providers: A systematic review. *Educational Gerontology*. 45(11), 681-699.

The Expert Panel on Dementia Care in Canada, CAHS (H. Bergman, D. Hogan, J. Keefe, C. McAiney, **D. Morgan**, I. Vedel). *Improving the quality of life and care of persons living with dementia and their caregivers*. Canadian, Academy of Health Sciences. Ottawa (ON) (January 2019).

Innes, A., **Morgan, D.**, Farmer, J. (Eds.). *Rural and remote dementia care: Implications for research, policy, and practice*. Policy Press, Bristol University. May 8, 2020.

Innes, A., **Morgan, D.**, Farmer, J. Chapter 1 Remote and rural dementia care: why is this important for policy, research, practice and the lived experience of dementia?. In Innes, A., **Morgan, D.**, Farmer, J. (Eds.), *Rural and remote dementia care: Implications for research, policy, and practice*. Policy Press, Bristol University. May 8, 2020.

Morgan, D., **Kosteniuk, J.**, O'Connell, M., Stewart, N., Kirk, A. (2020). Chapter 5 - Rural dementia research in Canada. In Innes, A., **Morgan, D.**, Farmer, J. (Eds.), *Rural and remote dementia care: Implications for research, policy, and practice*. Policy Press, Bristol University. May 8, 2020.

Farmer, J., **Morgan, D.**, Innes, A. (2020). Chapter 14 – Conclusion: navigating 21st-century remote and rural dementia care and a future research agenda. In Innes, A., **Morgan, D.**, Farmer, J. (Eds.), *Rural and remote dementia care: Implications for research, policy, and practice*. Policy Press, Bristol University. May 8, 2020.

Nair B, **Taylor-Gjevre R**, Wu L, Jin S, Quail JM. Incidence and prevalence of rheumatoid arthritis in Saskatchewan, Canada: 2001-2014. *BMC Rheumatology*.2019;3:28.

Olszynski WP, Davison KS, Adachi JD, Brown JP, Hanley DA. Change in Quantitative Ultrasound-assessed Speed of Sound as a Function of Age in Women and Men and Association With the Use of Antiresorptive Agents: The Canadian Multicentre Osteoporosis Study. *Journal of Clinical Densitometry*. 2019 Oct 9; S1094-6950(19)30177-5. [Online ahead of print]

Evans B, Kosar J, **Peermohamed S**. Attitudes and Perceptions amongst Critical Care Physicians towards Handshake Antimicrobial Stewardship Rounds. *Cureus*. 2019 Dec 19;11(12):e6419.

Bhutani M, Hernandez P, Bourbeau J, Dechman G, **Penz E**, Acheron R, Beauchamp M, Wald J, Stickland M, Olsen S, **Goodridge D**. Addressing therapeutic questions to help Canadian health professionals optimize COPD management for their patients during the COVID-19 pandemic. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. 2020. 4 (2):77-80.

Wirth I, **Penz E**, **Marciniuk DD**. Examination of COPD Management in Patients Hospitalized with an Acute Exacerbation of COPD. *Can J Resp Crit Care Med*. Published online 21 Feb 2020.

Imeah B, **Penz E**, Rana M, **Trask C**; Needle-less Injector Study Team. Economic analysis of new workplace technology including productivity and injury: The case of needle-less injection in swine. *PLoS One*. 2020 Jun 17;15(6):e0233599.

Bhutani M, Hernandez P, Bourbeau J, Dechman G, **Penz E**, Acheron R, Beauchamp M, Wald J, Stickland M, Olsen SR, **Goodridge D**. Key Highlights of the Canadian Thoracic Society's Position Statement on the Optimization of Chronic Obstructive Pulmonary Disease Management during the COVID-19 Pandemic. *Chest*. 2020 May 15:S0012-3692(20)31456-2. [Online ahead of print]

Thornton CS, Tsai WH, Santana MJ, **Penz ED**, Flemons WW, Fraser KL, Hanly PJ, Pendharkar SR. Effects of Wait Times on Treatment Adherence and Clinical Outcomes in Patients With Severe Sleep-Disordered Breathing: A Secondary Analysis of a Noninferiority Randomized Clinical Trial. *JAMA Network Open*. 2020 Apr 1;3(4).

Preteroti M, Whitmore GA, Vandemheen KL, Mark FitzGerald J, Lemièrè C, Boulet LP, **Penz E**, Field SK, Gupta S, Andrew McIvor R, Mayers I, Hernandez P, Lougheed D, Ainslie M, Licskai C, Azher T, Fraser I, Mahdavian M, Aaron SD. [Population-Based Case-Finding to Identify Subjects with Undiagnosed Asthma or COPD](#). *The European Respiratory Journal*. 2020 Apr 16; 2000024. [Online ahead of print]

Pendharkar SR, Tsai WH, **Penz ED**, Santana MJ, Ip-Buting A, Kelly J, Flemons WW, Fraser KL, Hanly PJ. [A Randomized Controlled Trial of an Alternative Care Provider Clinic for Severe Sleep-disordered Breathing](#). *Annals of the American Thoracic Society*. 2019 Dec;16(12):1558-1566.

Plishka CT, Rotter T, **Penz ED**, Hansia MR, Fraser SA, **Marciniuk DD**. [Effects of Clinical Pathways for COPD on Patient, Professional, and Systems Outcomes: A Systematic Review](#). *Chest*. 2019 Nov;156(5):864-877.

Luengo-Fernandez R, **Penz E**, Dobson M, Psallidas I, Nunn AJ, Maskell NA, Rahman NM. [Cost-effectiveness of intrapleural use of tissue plasminogen activator and DNase in pleural infection: evidence from the MIST2 randomised controlled trial](#). *The European Respiratory Journal*. 2019 Aug;54(2).

Prasad B, Jafari M, Toppings J, Gross L, **Kappel J**, Au F. [Economic Benefits of Switching From Intravenous to Subcutaneous Epoetin Alfa for the Management of Anemia in Hemodialysis Patients](#). *Canadian Journal of Kidney Health and Disease*. 2020 Jun 4;7:2054358120927532.

Jafari M, Kour K, Giebel S, Omisore I, **Prasad B**. [The Burden of Frailty on Mood, Cognition, Quality of Life, and Level of Independence in Patients on Hemodialysis: Regina Hemodialysis Frailty Study](#). *Canadian Journal of Kidney Health and Disease*. 2020;7:2054358120917780.

Brar R, Whitlock R, Komenda P, Lerner B, **Prasad B**, Bohm C, Thorsteinsdottir B, Rigatto C, Tangri N. [The Impact of Frailty on Technique Failure and Mortality in Patients on Home Dialysis](#). *Peritoneal Dialysis International*. 2019 Nov-Dec;39(6):532-538.

Gordon L, Dokouhaki P, Hagel K, **Prasad B**. [Acute kidney injury from immune checkpoint inhibitor use](#). *BMJ Case Rep*. 2019 Oct 25;12(10).

McIsaac M, Kaban G, Clay A, Berry W, **Prasad B**. [Long-Term Impact of Bariatric Surgery on Renal Outcomes at a Community-Based Publicly Funded Bariatric Program: The Regina Bariatric Study](#). *Canadian Journal of Kidney Health and Disease*. 2019; 6:2054358119884903.

Prasad B, Ferguson T, Tangri N, Ng CY, Nickolas TL. [Association of Bone Mineral Density With Fractures Across the Spectrum of Chronic Kidney Disease: The Regina CKD-MBD Study](#). *Canadian Journal of Kidney Health and Disease*. 2019; 6:2054358119870539

Moutaoufik MT, Maly R, Amin S, Zhang Q, Phanse S, Gagarinova A, Zilocchi M, Hoell L, Minic Z, Gagarinova M, Aoki H, Stockwell J, Jessulat M, Goebels F, Broderick K, Scott NE, Vlasblom J, Musso G, **Prasad B**, Lamantea E, Garavaglia B, **Rajput A**, Murayama K, Okazaki Y, Foster LJ, Bader GD, Cayabyab FS, Babu M. *Rewiring of the Human Mitochondrial Interactome during Neuronal Reprogramming Reveals Regulators of the Respirasome and Neurogenesis*. *iScience*. 2019 Sep 27;19:1114-1132.

Ho K, Dokouhaki P, McIsaac M, **Prasad B**. *Renal tubular acidosis as the initial presentation of Sjögren's syndrome*. *BMJ Case Reports*. 2019 Aug 13;12(8)

Ruzycki, S. M., **Prystajacky, M.**, Driedger, M. R., & Kachra, R. (2020). *Peri-operative cardiac biomarker screening: a narrative review*. *Anaesthesia*, 75, e165-e173. Published 5 Jan 2020.

Ruzycki, S. M., & **Prystajacky, M.** (2019). Point-counterpoint: perioperative cardiac biomarkers. *Canadian Journal of General Internal Medicine*, 14(4), e14-e22.

Liao C, Sarayloo F, Rochefort D, Houle G, Akçimen F, He Q, Laporte AD, Spiegelman D, Poewe W, Berg D, Müller S, Hopfner F, Deuschl G, Kuhlentbauer G, **Rajput A**, Dion PA, Rouleau GA. *Multiomics Analyses Identify Genes and Pathways Relevant to Essential Tremor*. *Movement Disorders*. 2020 Apr 6. [Online ahead of print]

Respondek G, Grimm MJ, Piot I, Arzberger T, Compta Y, Englund E, Ferguson LW, Gelpi E, Roeber S, Giese A, Grossman M, Irwin DJ, Meissner WG, Nilsson C, Pantelyat A, **Rajput A**, van Swieten JC, Troakes C, Höglinger GU. *Validation of the movement disorder society criteria for the diagnosis of 4-repeat tauopathies*. *Movement Disorders*. 2020 Jan;35(1):171-176.

Rajput AH, Rajput EF, Bocking SM, Auer RN, **Rajput A**. *Reply to: Parkinsonism in essential tremor cases: A clinicopathological study-were they really essential tremor?* *Movement Disorders*. 2019 Nov;34(11):1750.

Grimm MJ, Respondek G, Stamelou M, Arzberger T, Ferguson L, Gelpi E, Giese A, Grossman M, Irwin DJ, Pantelyat A, **Rajput A**, Roeber S, van Swieten JC, Troakes C, Antonini A, Bhatia KP, Colosimo C, van Eimeren T, Kassubek J, Levin J, Meissner WG, Nilsson C, Oertel WH, Piot I, Poewe W, Wenning GK, Boxer A, Golbe LI, Josephs KA, Litvan I, Morris HR, Whitwell JL, Compta Y, Corvol JC, Lang AE, Rowe JB, Höglinger GU. *How to apply the movement disorder society criteria for diagnosis of progressive supranuclear palsy*. *Movement Disorders*. 2019 Aug;34(8):1228-1232.

Rajput AH, Rajput EF, Bocking SM, Auer RN, **Rajput A**. *Parkinsonism in essential tremor cases: A clinicopathological study*. *Movement Disorders*. 2019 Jul;34(7):1031-1040.

Roy PL, **Ronquillo LH**, Ladino LD, **Tellez-Zenteno JF**. *Risk factors associated with drug resistant focal epilepsy in adults: A case control study*. *Seizure*. 2019 Dec; 73:46-50.

Blondeau LD, Rubin JE, Deneer H, Kanthan R, **Sanche S**, Beshard N, Mpofu C, Blondeau JM. *Bacteremia with Staphylococcus pseudintermedius in a 4 month old pediatric oncology patient*. *Journal of Chemotherapy* 2020 June; 32 (5) 260-262.

Blondeau LD, Rubin JE, Deneer H, Kanthan R, Morrison B, **Sanche S**, Rypien C, Dueck D, Beck G, Blondeau JM. Persistent infection with *Staphylococcus pseudintermedius* in an adult oncology patient with transmission from a family dog. *J Chemother*. 2020 May; 32(3):151-155.

Alsaeed A, Wright G, Deneer H, Rubin JE, **Sanche SE**, Blondeau JM. Methicillin-resistant *Staphylococcus aureus* replication in the presence of high (≥ 32 $\mu\text{g/ml}$) drug concentration of vancomycin as seen by electron microscopy. *Journal of Chemotherapy*. 2020 May 12:1-9. [Online ahead of print]

Garg R, Mills K, Allen KJH, Causey P, Perron RW, Gendron D, **Sanche S**, Berman JW, Gorny MK, Dadachova E. Comparison of various radioactive payloads for a human monoclonal antibody to glycoprotein 41 for elimination of HIV-infected cells. *Nuclear Medicine and Biology*. 2020 Mar - Apr;82-83:80-88.

Hodgkinson V, Oskoui M, Lounsbury J, M'Dahoma S, Butler E, Campbell C, MacKenzie A, McMillan H, Simard L, Vajsar J, Brais B, Chapman K, Chrestian N, Crone M, Dobrowolski P, Dojeiji S, Dowling JJ, Dupré N, Genge A, Gonorazky H, Hasal S, Izenberg A, Johnston W, Leung E, Lochmüller H, Mah JK, Marerro A, Massie R R, McAdam L, McCormick A, Melanson M, Mezei MM, Nguyen CE, O'Connell C, O'Ferrall E, Pfeffer G, Phan C, Plamondon S, Poulin C, Rodrigue X, **Schellenberg K**, Selby K, Sheriko J, Shoesmith C, Smith G, Taillon M, Taylor S, Warman J, Worley S, Korngut L. A national spinal muscular atrophy registry for real world evidence. *The Canadian Journal of Neurological Sciences*. 2020 Jun 4:1-18. [Online ahead of print]

Armstrong MD, Hansen G, **Schellenberg KL**. Rural Residence and Diagnostic Delay for Amyotrophic Lateral Sclerosis in Saskatchewan. *The Canadian Journal of Neurological Sciences*. 2020 Feb 26:1-5. [Online ahead of print]

Rex C, Nadeau MJ, Douville R, **Schellenberg K**. Expression of Human Endogenous Retrovirus-K in Spinal and Bulbar Muscular Atrophy. *Frontiers in Neurology*. 2019; 10:968.

Shavadia JS, Granger CB, Alemayehu W, Westerhout CM, Povsic TJ, Van Diepen S, Defilippi C, Armstrong PW. Novel Biomarkers, ST-Elevation Resolution, and Clinical Outcomes Following Primary Percutaneous Coronary Intervention. *Journal of the American Heart Association*. 2020 Jun 17:e016033. [Online ahead of print]

Shavadia JS, Granger CB, Alemayehu W, Westerhout CM, Povsic TJ, Brener SJ, van Diepen S, Defilippi C, Armstrong PW. High-throughput targeted proteomics discovery approach and spontaneous reperfusion in ST-segment elevation myocardial infarction. *American Heart Journal*. 2020 Feb; 220:137-144.

Shavadia JS, Zheng Y, Green JB, Armstrong PW, Westerhout CM, McGuire DK, Cornel JH, Holman RR, Peterson ED. Associations between β -blocker therapy and cardiovascular outcomes in patients with diabetes and established cardiovascular disease. *American Heart Journal*. 2019 Dec; 218:92-99.

Shavadia JS, Holmes DN, Thomas L, Peterson ED, Granger CB, Roe MT, Wang TY. Comparative Effectiveness of β -Blocker Use Beyond 3 Years After Myocardial Infarction and Long-Term Outcomes Among Elderly Patients. *Circulation. Cardiovascular Quality and Outcomes*. 2019 Jul;12(7): e005103.

Mollahosseini A, Abdelrasoul A., **Shoker A.** Latest Advances in Zwitterionic Structures Modified Dialysis Membranes. *Journal of Materials Today Chemistry*, 2020, March (15);100227.

Mollahosseini, A., Abdelrasoul, A., **Shoker, A.** A critical review of recent advances in hemodialysis membranes hemocompatibility and guidelines for future development. *Materials Chemistry and Physics* 2020, July (248):122911

Shaghayegh Saadati, Heloisa Westphalen, Ubong Eduok, Amira Abdelrasoul, **Ahmed Shoker**, Phillip Choi, Huu Doan, Farhad Ein-Mozaffari, Ning Zhu, 2020. Biocompatibility Enhancement of Hemodialysis Membranes using Novel Zwitterionic: Experimental, in situ Synchrotron Imaging, Molecular Docking, and Clinical Inflammatory Biomarkers Investigations. *Materials Science & Engineering C*. 2020 (117): 111301

Mollahosseini, A. Abdelrasoul A. , **Shoker A.** (2020) Challenges and Advances in Hemodialysis Membranes, Chapter in *Advances in Membrane Technologies*, 2020, March 4. ISBN 978-1-78984-807-6

Rabi DM, McBrien KA, Sapir-Pichhadze R, NakhLM, Ahmed SB, Dumanski SM, Butalia S, Leung AA, Harris KC, Cloutier L, Zarnke KB, Ruzicka M, Hiremath S, Feldman RD, Tobe SW, Campbell TS, Bacon SL, Nerenberg KA, Dresser GK, Fournier A, Burgess E, Lindsay P, Rabkin SW, Prebtani APH, Grover S, Honos G, Alfonsi JE, Arcand J, Audibert F, Benoit G, Bittman J, Bolli P, Côté AM, Dionne J, Don-Wauchope A, Edwards C, Firoz T, Gabor JY, Gilbert RE, Grégoire JC, Gryn SE, Gupta M, Hannah-Shmouni F, Hegele RA, Herman RJ, Hill MD, Howlett JG, Hundemer GL, Jones C, Kaczorowski J, Khan NA, Kuyper LM, Lamarre-Cliche M, Lavoie KL, Leiter LA, Lewanczuk R, Logan AG, Magee LA, Mangat BK, McFarlane PA, McLean D, Michaud A, Milot A, Moe GW, Penner SB, Pipe A, Poppe AY, Rey E, Roerecke M, Schiffrin EL, Selby P, Sharma M, Shoamanesh A, **Sivapalan P**, Townsend RR, Tran K, Trudeau L, Tsuyuki RT, Vallée M, Woo V, Bell AD, Daskalopoulou SS. Hypertension Canada's 2020 Comprehensive Guidelines for the Prevention, Diagnosis, Risk Assessment, and Treatment of Hypertension in Adults and Children. *The Canadian Journal of Cardiology*. 2020 May;36(5):596-624.

Des Jarlais DC, Sypsa V, Feelemyer J, Abagiu AO, Arendt V, Broz D, Chemtob D, Seguin-Devaux C, Duwve JM, Fitzgerald M, Goldberg DJ, Hatzakis A, Jipa RE, Katchman E, Keenan E, Khan I, Konrad S, McAuley A, **Skinner S**, Wiessing L. HIV outbreaks among people who inject drugs in Europe, North America, and Israel. *Lancet HIV*. 2020 Jun;7(6):e434-e442.

Beresh, E., Nilson, S., Clark, M., McCarron, M., Clay, A., Desjarlais, V., **Skinner, S** & Pandey, M. Wellness Wheel: A community partnered-care model to improve access to care in First Nations communities in Saskatchewan: Perspectives of care providers. *International Journal of Indigenous Health*, (2019). 0:1-15.

Martynowicz H, Jodkowska A, **Skomro R**, Gać P, Brylka A, Bladowski M, Wojakowska A, Mazur G, Poręba R. [The estimation of excessive daytime sleepiness in post-stroke patients - a polysomnographic study.](#) *Respiratory Physiology & Neurobiology.* 2019 Sep; 267:1-5.

Adams GC, McWilliams LA, Wrath AJ, Mondal P, Harder JA, **Skomro R**, **Fenton ME**. [An exploration of adult attachment insecurity and psychiatric symptoms in individuals with obstructive sleep apnea.](#) *Journal of Psychosomatic Research.* 2019 Aug;123:109731

Skoczyński S, Nowosielski K, Minarowski Ł, Brożek G, Oraczewska A, Glinka K, Ficek K, Kotulska B, Tobiczek E, **Skomro R**, Mróz R, Barczyk A. [May Dyspnea Sensation Influence the Sexual Function in Men With Obstructive Sleep Apnea Syndrome? A Prospective Control Study.](#) *Sexual Medicine.* 2019 Sep;7(3):303-310. Epub 2019 Jul 18.PMID: 31327723

Skoczyński S, Nowosielski K, Minarowski Ł, Brożek G, Oraczewska A, Glinka K, Ficek K, Kotulska B, Tobiczek E, **Skomro R**, Mróz R, Barczyk A. [Sexual disorders and dyspnoea among women with obstructive sleep apnea.](#) *Advances in Medical Sciences.* 2020 Mar;65(1):189-196. Epub 2020 Jan 27.PMID: 32000113

Doroszkowski A., Radziwon-Balicka A., & **Skomro R**. (2020). [Novel Approaches for Diagnosing and Management of Cardiovascular Disorders Mediated by Oxidative Stress.](#) *Oxidative Medicine and Cellular Longevity*, 2020, 7096727.

Birnie DH, Wang J, Alings M, Philippon F, Parkash R, Manlucu J, Angaran P, Rinne C, Coutu B, Low RA, Essebag V, Morillo C, Redfearn D, Toal S, Becker G, Degrâce M, Thibault B, Crystal E, Tung S, LeMaitre J, **Sultan O**, Bennett M, Bashir J, Ayala-Paredes F, Gervais P, Rioux L, Hemels MEW, Bouwels LHR, Exner DV, Dorian P, Connolly SJ, Longtin Y, Krahn AD. [Risk Factors for Infections Involving Cardiac Implanted Electronic Devices.](#) *Journal of the American College of Cardiology.* 2019 Dec 10;74(23):2845-2854.

Fralick M, **Sy E**, Karsies T. [Absolute Risk Estimates of the Association Between Concussion and Suicide-Reply.](#) *JAMA Neurology.* 2019 Jul 1;76(7):871-872.

Luan X, **Tam JS**, Jagadeeshan S, Grishchenko N, Hassan N, Gioino P, Shipley AM, Machen TE, Ianowski JP. [Airway submucosal glands from cystic fibrosis swine suffer from abnormal ion transport across the serous acini, collecting duct, and ciliated duct.](#) *American Journal of Physiology. Lung Cellular and Molecular Physiology.* 2020 May 1;318(5): L931-L942.

Ladino LD, Benjumea-Cuartas V, Calle-López Y, Orozco-Hernández JP, Castrillón-Velilla DM, López-González R, Daza-Restrepo A, Genel Castillo MA, Reuber M, Denton A, **Tellez-Zenteno JF**. [Psychogenic nonepileptic seizures in Latin America: A survey describing current practices.](#) *Epilepsy and Behaviour.* 2020 Jun 2:107150. [Online ahead of print]

Sokolov E, Abdoul Bachir DH, Sakadi F, Williams J, Vogel AC, Schaeckermann M, Tassiou N, Bah AK, Khatri V, Hotan GC, Ayub N, Leung E, Fantaneanu TA, Patel A, Vyas M, Milligan T, Villamar MF, Hoch D, Purves S, Esmaili B, Stanley M, Lehn-Schioler T, **Tellez-Zenteno J**, Gonzalez-Giraldo E, Tolokh I, Heidarian L, Worden L, Jadeja N, Fridinger S, Lee L, Law E, Fodé Abass C, Mateen FJ. [Tablet-based electroencephalography diagnostics for patients with epilepsy in the West African Republic of Guinea.](#) *European Journal of Neurology.* 2020 May 2. [Online ahead of print]

Gould L, Wu A, **Tellez-Zenteno JF**, Neudorf J, Kress S, Gibb K, Ekstrand C, Dabirzadeh H, Ahmed SU, Borowsky R. [Atypical language localization in right temporal lobe epilepsy: An fMRI case report.](#) *Epilepsy & Behavior Reports.* 2020 Apr 25; 14:100364.

Tellez-Zenteno JF, Hernández-Ronquillo L, Denton A. [Understanding the value of meta-analysis in epilepsy. Are we using more than required?](#) *Seizure.* 2020 Feb 7;76:105-106. [Online ahead of print]

Téllez-Zenteno JF, Ladino LD, Hernández-Ronquillo L. [The Use of Cannabis as a Treatment for Epilepsy in Adult Patients: Are Side Effects a Limitation of Use?](#) *Journal of Clinical Neurophysiology.* 2020 Jan;37(1):9-14.

Téllez-Zenteno JF, Hernández-Ronquillo L. [Medical Cannabis as a Treatment for Patients With Epilepsy, Sleep Disorders, and Posttraumatic Stress Disorder.](#) *Journal of Clinical Neurophysiology.* 2020 Jan;37(1):1.

Denton A, **Tellez-Zenteno JF.** [A patient with epilepsy charged with kidnapping, unlawful confinement, and assault causing bodily harm after seizures: Deficiencies in the legal system.](#) *Epilepsy & Behaviour Reports.* 2020; 13:100361.

Appendino JP, Boelman C, Brna PM, Burneo JG, Claassen CS, Connolly MB, De Guzman MVT, Federico P, Floyd D, Huntsman RJ, Javidan M, Jette N, Jurasek LL, Keezer MR, Lau JC, McCoy B, McLachlan RS, Ng MC, Nguyen DK, Reid AY, Rho JM, Snead OC, **Téllez-Zenteno JF**, Wang L, Zak MM. [Position Statement on the Use of Medical Cannabis for the Treatment of Epilepsy in Canada.](#) *The Canadian Journal of Neurological Sciences.* 2019 Nov;46(6):645-652.

Huntsman RJ, Tang-Wai R, Alcorn J, Vuong S, Acton B, Corley S, Laprairie R, Lyon AW, Meier S, Mousseau DD, Newmeyer D, Prosser-Loose E, Seifert B, **Tellez-Zenteno J**, Huh L, Leung E, Major P. [Dosage Related Efficacy and Tolerability of Cannabidiol in Children With Treatment-Resistant Epileptic Encephalopathy: Preliminary Results of the CARE-E Study.](#) *Frontiers in Neurology.* 2019; 10:716.

Ballendine S, Shahab I, Perez-Careta M, Taveras-Almonte FJ, Martínez-Juárez IE, Hernández-Vanegas LE, Dolinsky C, Wu A, **Tellez-Zenteno JF.** [Resolution of ictal bradycardia and asystole following temporal lobectomy: A case report, and review of available cases using pacemakers.](#) *Epilepsy & Behavior Reports.* 2019; 12:100333

Appendino JP, Boelman C, Brna PM, Burneo JG, Claassen CS, Connolly MB, De Guzman MVT, Federico P, Floyd D, Huntsman RJ, Javidan M, Jette N, Jurasek LL, Keezer MR, Lau JC, McCoy B, McLachlan RS, Ng MC, Nguyen DK, Reid AY, Rho JM, Snead OC, **Téllez-Zenteno JF**, Wang L, Zak MM. [Position Statement on the Use of Medical Cannabis for the Treatment of Epilepsy in Canada.](#) *The Canadian Journal of Neurological Sciences.* 2019 Nov;46(6):645-652.

Calle-López Y, Ladino LD, Benjumea-Cuartas V, Castrillón-Velilla DM, **Téllez-Zenteno JF**, Wolf P. [Forced normalization: A systematic review.](#) *Epilepsia.* 2019 Aug;60(8):1610-1618.

Angarita-Fonseca A, **Trask C**, Shah T, Bath B. Stable prevalence of chronic back disorders across gender, age, residence, and physical activity in Canadian adults from 2007 to 2014. *BMC Public Health*. 2019 Aug 15 ;19(1):1121.

Shah TI, Milosavljevic S, **Trask C**, Bath B. Mapping Physiotherapy Use in Canada in Relation to Physiotherapist Distribution. *Physiotherapy Canada*. 2019 Summer;71(3):213-219.

McKay WP, Krysak T, **Tyan CC**. Investigation of a novel oral airway for awake flexible bronchoscopy. *Canadian Journal of Anaesthesia*. 2020 Sept; 67(9): 1305-1306. E-published 2020 Apr 20

Kronfli N, Young J, Wang S, Cox J, Walmsley S, Hull M, Cooper C, Martel-Laferrriere V, **Wong, Alex**, Pick N, Klein MB; Canadian Co-infection Cohort Study Investigators. Liver fibrosis in HIV-Hepatitis C virus (HCV) co-infection before and after sustained virologic response: what is the best non-invasive marker for monitoring regression? *Clinical Infectious Diseases*. 2020 Jun 5: ciaa702. [Online ahead of print]

Tsybina P, Hennink M, Diener T, Minion J, Lang A, Lavoie S, Kim J, **Wong, Alex**. Repeated false reactive ADVIA centaur® and bio-rad Geenius™ HIV tests in a patient self-administering anabolic steroids. *BMC Infectious Diseases*. 2020 Jan 6;20(1):9.

Pham HT, Xiao MA, Principe MA, **Wong, Alex**, Mesplède T. Pharmaceutical, clinical, and resistance information on doravirine, a novel non-nucleoside reverse transcriptase inhibitor for the treatment of HIV-1 infection. *Drugs in Context*. 2020;9.

Zaidan SM, Leyre L, Bunet R, Larouche-Anctil E, Turcotte I, Sylla M, Chamberland A, Chartrand-Lefebvre C, Ancuta P, Routy JP, Baril JG, Trottier B, MacPherson P, Trottier S, Harris M, Walmsley S, Conway B, **Wong, Alex**, Thomas R, Kaplan RC, Landay AL, Durand M, Chomont N, Tremblay CL, El-Far M. Upregulation of IL-32 Isoforms in Virologically Suppressed HIV-Infected Individuals: Potential Role in Persistent Inflammation and Transcription From Stable HIV-1 Reservoirs. *Journal of Acquired Immune Deficiency Syndromes*. 2019 Dec 15;82(5):503-513.

Wong, Alex, Goldstein D, Mallolas J, DeJesus E, Johnson M, Molina JM, Pozniak A, Rodgers A, Teal V, Hepler D, Kumar S, Sklar P, Hanna GJ, Hwang C, Badshah C, Teppler H. Efficacy and Safety of Doravirine/Lamivudine/Tenofovir Disoproxil Fumarate (DOR/3TC/TDF) in Treatment-Naive Adults With HIV-1 and Transmitted Nonnucleoside Reverse Transcriptase Inhibitor Resistance Mutations. *Journal of Acquired Immune Deficiency Syndromes*. 2019 Dec 1;82(4): e47-e49.

Rana U, Driedger M, Sereda P, Pan S, Ding E, **Wong, Alex**, Walmsley S, Klein M, Kelly D, Loutfy M, Thomas R, **Sanche S**, Kroch A, Machouf N, Roy-Gagnon MH, Hogg R, Cooper CL. Characteristics and outcomes of antiretroviral-treated HIV-HBV co-infected patients in Canada? *BMC Infectious Diseases*. 2019 Nov 21;19(1):982.

Coffin CS, Ramji A, Cooper CL, Miles D, Doucette KE, Wong P, Tam E, Wong DK, **Wong, Alex**, Ukabam S, Bailey RJ, Tsoi K, Conway B, Barrett L, Michalak TI, Congly SE, Minuk G, Kaita K, Kelly E, Ko HH, Janssen HLA, Uhanova J, Lethebe BC, Haylock-Jacobs S, Ma MM, Osiowy C, Fung SK. [Epidemiologic and clinical features of chronic hepatitis B virus infection in 8 Canadian provinces: a descriptive study by the Canadian HBV Network.](#) *CMAJ Open.* 2019 Oct-Dec;7(4): E610-E617.

Saeed S, Strumpf E, Moodie EEM, Wong L, Cox J, Walmsley S, Tyndall M, Cooper C, Conway B, Hull M, Martel-Laferriere V, Gill J, **Wong, Alex**, Vachon ML, Klein MB. [Eliminating Structural Barriers: The Impact of Unrestricted Access on Hepatitis C Treatment Uptake among People Living with HIV.](#) *Clinical Infectious Diseases.* 2019 Aug 28; ciz833. [Online ahead of print]

Mitchell R, Taylor G, Rudnick W, Alexandre S, Bush K, Forrester L, Frenette C, Granfield B, Gravel-Tropper D, Happe J, John M, Lavallee C, McGeer A, Mertz D, Pelude L, Science M, Simor A, Smith S, Suh KN, Vayalumkal J, **Wong, Alice**, Amaratunga K. [Trends in health care-associated infections in acute care hospitals in Canada: an analysis of repeated point-prevalence surveys.](#) *Canadian Medical Association Journal.* 2019 Sep 9;191(36): E981-E988.



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