



THE ARTHRITIS RESEARCH CANADA
BOARD MEETING – THURSDAY, SEPTEMBER 08, 2016
ANNUAL REPORT OF THE SCIENTIFIC DIRECTOR

TRAINEES

Trainee Grants and Awards

Natalie McCormick (Supervisor: **Antonio Aviña**) was the recipient of a Michael Smith Foreign Study Supplement (value: \$6,000) from the Canadian Institutes of Health Research (CIHR). Ms. McCormick spent three months at the University of California at San Francisco working with Professor Patricia Katz on a project entitled “*Long-term health resource utilization and total economic burden following diagnosis of systematic autoimmune rheumatic diseases: a population-based study*”. Ms. McCormick also received the Santosh M. Wasan Graduate Student Travel Award from the Faculty of Pharmaceutical Sciences at UBC (value: \$500).

Ms. McCormick’s third award was an Institute Community Support Travel Award from the CIHR’s Institute for Health Services and Policy Research (value: \$1,500). She attended the 2016 Canadian Rheumatology Association Annual Scientific Meeting, where she presented three posters. The award was granted for her presentation on the Systemic Autoimmune Rheumatic Diseases survey “*Feasibility of an approach to contact individuals from administrative health data to estimate the economic burden of systemic autoimmune rheumatic diseases at the general population level*”.

Clayon Hamilton (Supervisor: **Linda Li**) joined the Milan Ilich Arthritis Research Canada as a post-doctoral fellow doing clinical epidemiology work in knowledge translation. Dr. Hamilton has received a Michael Smith Foundation for Health Research Post-doctoral Fellowship Award for his project on developing and validating an outcome measure on meaningful patient engagement in research. He has already collaborated with APAB members on his project “*Measuring Patient Engagement In Research (PEIRS)*”.

Adalberto Loyola-Sanchez is a new post-doctoral trainee at ARC Calgary (Supervisor: **Cheryl Barnabe**). His post-doctoral project title is “*Sustainability in arthritis management programs for Indigenous populations of Canada and Mexico*”. Dr. Loyola Sanchez is the recipient of a \$50,000 Cummings School of Medicine Post-doctoral Scholarship from the University of Calgary. Dr. Loyola Sanchez also received a Canadian Institutes of Health Research Banting Postdoctoral Fellowship (\$70K/year for two years).

Pavan Mehat (Supervisor: **Mary De Vera**) was awarded a UBC Faculty of Pharmaceutical Sciences Graduate Research Award of \$2195. He was also awarded an Elwynn Gregg Memorial Fellowship of \$5,000 from the Faculty of Graduate and Postdoctoral Studies at UBC. The Elwynn Gregg Fellowship is awarded to help attract and keep research talent in British Columbia and Canada, with a focus on graduates in Medicine, Languages, Engineering and Forestry.

Behnam Sharif (Supervisor: **Deborah Marshall**) was the Co-Principal Applicant on a \$10,000 Planning and Data Collection Grant from the Clinical Research Fund, Faculty of Medicine, University of Calgary. The title of the grant is *“Needs assessment and planning for development of a clinical risk calculator for early knee osteoarthritis progression”*.

Dr. Sharif also received a \$165,000 Canadian Institutes of Health Research Knowledge to Action grant for his project *“Building partnerships to improve care of early Knee Osteoarthritis Patients (KOA): Developing a risk management tool”*.

Gloria (Lingyi) Li is a new Masters trainee (Supervisor: **Antonio Aviña**), working on evaluating the risk of heart attacks and strokes in patients with ankylosing spondylitis (inflammatory back pain disease).

Both **Ms. Li** and **Lindsay Belvedere** (Research Assistant to **Antonio Aviña**) were awarded \$1,000 European Congress of Rheumatology EULAR 2016 Abstract awards in Clinical Science for their podium presentations at the EULAR meeting in June. Ms. Li's abstract was entitled *“Improved survival in dermatomyositis and polymyositis: a general population-based study”*, and Ms. Belvedere's was entitled *“Improved survival in giant cell arteritis: a population-based study”*. **Ms. Li** and **Ms. Belvedere** were also both recipients of the **2016 Arthritis Research Canada/Lilly Early Rheumatology Researcher Scholarships** supporting participation in the 2016 EULAR Annual Meeting.

Jean-Francois Esculier (Supervisor: **Michael Hunt**) has received a \$165,000 Canadian Institutes of Health Research Fellowship for his project *“The effects of running on knee cartilage measures in people with and without knee osteoarthritis”*. In this research project, they will explore if knee cartilage of older healthy runners react the same to a bout of running as those of younger runners. Then, they will compare the effects of running on knee cartilages of older people with and without OA.

Sharan Rai (Supervisors: **Antonio Aviña & Hyon Choi**) has been awarded a \$10,000 Arthritis Society Networking grant entitled *“Patient Engagement in Research For the development of Educational videos for Knowledge Translation PERFECT-KT”*. Co-Investigators on the grant are **Antonio Aviña, Mary De Vera, Linda Li, Kam Shojanian** and **Hyon Choi**.

Sharan Rai received a separate \$10,000 grant from the Canadian Institutes of Health Research with the same co-investigators. That award is for a project entitled *“Toward the development of resources for gout education”*.

Alyssa Howren (Supervisor: **Mary De Vera**) has been awarded a \$175,000 Canadian Institutes of Health Research Frederick Banting and Charles Best Award to continue her Master's degree in the Faculty of Pharmaceutical Sciences at UBC. Her thesis title is *"Patient and provider perspectives of an ehealth-supported collaborative care model for gout: a mixed methods study"*.

Serena Chen, (Supervisor: **Allyson Jones**) a Master's student at the University of Alberta, was awarded a prestigious \$30,000 Alberta Innovates Health Solutions/Alberta SPOR Unit: Patient Oriented Research Studentship. Her project title is *"Falls and fear of falling in patients with total hip and knee replacements"*. This one year grant is potentially renewable for a second year.

Trainee Degrees

Tim Schmidt (Supervisor **Diane Lacaille**) successfully defended his Master's thesis *"Cardiovascular disease prevention in rheumatoid arthritis: three population-based studies in British Columbia"*, earning an A+ and high praise from the examiners.

Cam Clayton (Supervisor: **Linda Li**) successfully defended his Master's thesis on his work involving the development of the RCT protocol for the TRACK-OA project (aka the Fitbit pilot) and completing a baseline analysis exploring the relationships between patients' perception of their engagement in health care and physical activity participation.

Pavan Mehat (Supervisors: **Mary De Vera, John Esdaile, Antonio Aviña Anne Townsend**) successfully defended his Master's thesis, *"Pharmaceutical Outcomes Research to Better Understand Medication Non-Adherence in Patients with Systemic Lupus Erythematosus"*.

Claire Barber (Supervisors: **John Esdaile & Deborah Marshall**) successfully completed her PhD thesis defence in October 2015 at the University of Calgary. Dr. Barber's thesis was entitled *"Development and testing of cardiovascular quality indicators for rheumatoid arthritis"*.

Glen Hazlewood (Supervisors: **Deborah Marshall & Claire Bombardier** (U of T)) successfully defended his PhD thesis in November at the Institute of Health, Policy, Management and Evaluation, University of Toronto. Dr. Hazlewood's thesis is entitled *"A novel approach for integrating best evidence and patient preferences into treatment recommendations for rheumatoid arthritis"*.

Summer Studentships

Carol Dou (Supervisors: **Linda Li** and **John Esdaile**) received a Canadian Rheumatology Association summer studentship. Her project is entitled *“Evaluating the role of motivation in physical activity participation in people with knee osteoarthritis”*.

Ola Kobza (Supervisor: **Diane Lacaille**) a second year medical student at the University of Ottawa was awarded a Canadian Rheumatology Association summer studentship for her project *“Evaluation of the psychometric properties of a new presenteeism measure for arthritis studies”*. Presenteeism refers to someone making it to work but being less productive at work than normal.

Tim Liang and **Hans Haag** (Supervisor: **Mary De Vera**) were summer students at the Milan Ilich Arthritis Research Centre, Vancouver. **Mr. Liang’s** project is *“Inflammatory arthritis patients’ perspectives on medication use: a thematic synthesis to inform evidence-based, patient-centered adherence interventions”*. **Mr. Haag’s** project is entitled *“Qualitative synthesis – ankylosing spondylitis”*.

Sujay Nagaraj (Supervisor: **Cheryl Barnabe**) received a McCaig Institute for Bone and Joint Health R. R. Singleton Summer Studentship Award for his project entitled *“Do Aboriginal patients really have more severe inflammatory arthritis, or is that a reflection of difficulties in accessing care for diagnosis and management?”*

Aaron Lin (Supervisor: **Cheryl Barnabe**) also received a McCaig/Singleton Award for his summer studentship project *“to characterize the level of community engagement in arthritis studies involving Indigenous populations”*. Both Mr. Nagaraj and Mr. Lin were located at ARC Calgary.

2016 Arthritis Research Canada/University of California at San Francisco (UCSF) Joint Scientific Meeting

Twelve UCSF Faculty and visiting faculty and twelve Arthritis Research Canada trainees accompanied by five ARC faculty attended the 2016 Arthritis Research Canada/University of California at San Francisco (UCSF) Joint Scientific Meeting. The meeting was held at the new UCSF Mission Bay campus on April 14-15, 2016.

RESEARCH

Grants Funded

Paul Fortin and Sylvain Bourgoin were Co-Principal Applicants along with Co-investigator Eric Boilard on a \$790,000 five year CIHR grant entitled *“Role of autotaxin bound to platelet-derived microparticles to development of vascular damage in arthritis.”*

Paul Fortin is also a Co-Investigator on a \$100,000 two year CIHR grant entitled *"Make this break your last": pilot testing an educational intervention to improve fragility fracture patients' awareness of their risk for refracture.*" The Principal Investigator on this grant is Dorcas Beaton along with Co-Investigators Earl Bogoch, Debora Da Costa, Monique Gignac as well as others.

Paul Fortin and Linda Li are Co-Investigators on a \$290,000 three year grant from The Arthritis Society. It is entitled *"Helping adolescents with juvenile arthritis and their parents to make informed and value-based decisions about pain relief modalities: development of a novel decision support intervention"*. The Principal Investigator on this grant is Karine Toupin April and Co-investigators include Adam Huber and Ciaran Duffy.

Ann Clarke (Principal Investigator) was awarded an infrastructure grant of \$80,000 from the Lupus Clinical Investigators Network (LuCIN). This is an infrastructure grant in preparation for later clinical studies that she will perform on behalf of LuCIN.

Cheryl Barnabe is a Co-Investigator on a \$25,000 Canadian Institutes of Health Research Planning and Dissemination Grant entitled *'Planning for the collaborative implementation of a peer-support shared decision making strategy by and with Aboriginal populations: building foundations for a program of research in health systems that treat chronic disease'*. The Primary Investigator is Dr. Janet Jull.

Alysson Jones is the Principal Investigator on a grant of \$176,000 from the Covenant Health Network of Excellence for Seniors' Health and Wellness for her project entitled *"Coaching for older adults (with osteoarthritis) for community health (COACH Study)"*. (Co-investigators: **Linda Li**, Lauren Beaupre). The project goal is to track and assess the effect of remote physiotherapist-led coaching which promotes physical activity among rural seniors who have undergone hip or knee replacements.

Deborah Marshall is the Principal Investigator on a \$4,000 Alberta Innovates Health Solutions (AIHS) Community and Planning Grant entitled *'Planning session for development of a clinical risk calculator for early knee osteoarthritis progression'*. Co-Applicants on the grant include **Benham Sharif** (Supervisor: **Deborah Marshall**), **Jacek Kopec**, **Jolanda Cibere**, as well as Lee Green, Sylvia Teare, Jean Miller, Nancy Marlett, Denise Campbell-Scherer, and Tracy Wasylak.

Awards, Distinctions & Promotions

Diane Lacaille was appointed the Associate Head of Academic Affairs for the UBC Department of Medicine, effective September 15, 2015. Essentially, she is the Head of Research for the Department. This is huge recognition of her skills and leadership.

Linda Li was promoted to Full Professor of Physical Therapy at the University of British Columbia. Professor Li is the Canadian authority on Patient-oriented knowledge translation for arthritis, as well as a well-recognized authority internationally and undoubtedly the authority for knowledge translation in general in BC.

Antonio Aviña was promoted to Associate Professor of Medicine at the University of British Columbia. The promotion requires that the nominee be ranked ‘Superior’ in a number of categories such as research and teaching. Not surprisingly, Dr. Aviña has been highly successful in all aspects of research from obtaining grants, to publications and mentoring research trainees.

Glen Hazlewood and **Claire Barber**, both of ARC Calgary have been appointed Research Scientists at Arthritis Research Canada. They each successfully defended their PhD theses this year.

Catherine Backman has been appointed Senior Scientist at Arthritis Research Canada. In making the appointment the Board recognized Catherine for her academic success as well as for the recognition that her work has brought to Arthritis Research Canada outside of Canada, particularly her multiple awards from the Association of Rheumatology Health Professionals (ARHP)/American College of Rheumatology, including her upcoming Distinguished Lecture to the ARHP.

Paul Fortin was honoured with an invitation to be the lecturer for the 36th Annual Metro Ogrzyzlo Memorial Lectureship at the University of Manitoba on September 22, 2015. The lecture commemorates a Canadian pioneer in the field of rheumatology who was also a founder of the Journal of Rheumatology. The title of Dr. Fortin’s talk was “*Lupus or the Imitation Game?*”

Cheryl Barnabe was awarded the Canadian Rheumatology Association (CRA)/Arthritis Research Foundation Best Epidemiology/Health Services Research Award for her podium presentation at the CRA annual meeting entitled “*Biologic therapy complications in the Alberta Aboriginal population with rheumatoid arthritis*”. It highlights that Aboriginal patients on the new biologic drugs for rheumatoid arthritis experience more hospitalizations, serious infections, heart attacks and strokes, and cancers.

Cheryl Barnabe was also honoured by Calgary’s Avenue Magazine in their 2015 ‘Top 40 Under 40’. The award honours educators, innovators and entrepreneurs in the arts, non-profits, oil and gas, law, finance or medicine who are at the top of their field.

Catherine Backman has begun a five year term as Associate Editor, Arthritis Care & Research. This is a leading journal with a focus on health services, rehabilitation, economic and social issues relevant to the care of people with rheumatic disorders.

Nick Bansback was presented with the Maurice McGregor Award by the Canadian Agency for Drugs and Technologies in Health at their recent 2016 Symposium in Ottawa. “The Maurice McGregor Award recognizes rising stars in Health Technology Assessment early in their careers”.

Mary De Vera is the recipient of the 2016 GlaxoSmithKline/Canadian Society for Pharmaceutical Sciences Early Career Award. This award recognizes outstanding research achievements and contributions of pharmaceutical scientists, working in Canadian academia, industry, government or research institutes, in their first seven years following their graduation from a doctorate program.

Antonio Aviña was honoured at the BC Lupus Society Gala with the BC Lupus Research Award of Excellence in Research & Mentoring. This award recognizes excellence and productivity in the research of lupus and other related diseases. In the past year, **Dr. Aviña** has been lead author or co-author on 12 published papers and 49 research conference presentations.

NEW STAFF AND STAFF CHANGES

Brett Trainor was hired as the new Fund Development Administrative Assistant to **Patti Nakatsu**, Director of Development. Ms. Trainor took a leave from her position for the summer and returns to ARC at the beginning of September.

Lyndsay Belvedere, who previously worked as a Research Assistant at ARC in 2012-13 returned to work at ARC as a Research Assistant for **Antonio Aviña**. Ms. Belvedere replaced **Kathryn Reimer**, who left ARC in August 2015 to begin the Occupational Therapy program at UBC. **Ms Belvedere** completed her time at ARC in August of this year and will commence her Master's work at Brigham Young University in September.

Ju Young Yoo who was at ARC in 2015 as a summer student joined Linda Li's team as a Research Assistant for the MONITOR-OA project. He completed at ARC in August 2016.

June Kaminski joined **Diane Lacaille's** team as a Research Coordinator for the Aboriginal Wellness and other projects. Ms. Kaminski received her BSc and MSc in Nursing from UBC and is completing a PhD in Curriculum and Pedagogy at UBC. She is interested in First Nations health and the use of technology to support wellness.

Angela Li worked on the Making It Work team (**Diane Lacaille**) as a science Co-op student from UBC for the past year. She returns to UBC in September. **Ms. Li** will be replaced by a new UBC Science Co-op student, **Wiebke Bartels**. Ms. Bartels is excited to join the team as the new Co-op student from UBC. She hopes to learn more about how clinical research is conducted and is interested in understanding the impact of personalized health care on people's quality of life.

Ariel Seah, another Co-op student and member of the Making it Work team, left in June to travel before returning to school at UBC. She has been replaced by **Kathy Tran**, a science co-op student from SFU. Ms. Tran is interested in building on her knowledge of randomized control trials and understanding the impact that arthritis has on an individual's employment status.

Natalie Frenette, is the new Administrative Coordinator for **Paul Fortin's** Research Team. She previously worked as a Clinical Trial Assistant at BD Diagnostics. Ms. Frenette replaced **Julie Parrot**, who left CHU de Québec Research Center – CHUL in July 2015.

Dan Aveline was hired as the new Finance Administrator to provide accounting support to the ARC Team reporting to **Shauneen Kellner**. Mr. Aveline's first task at Arthritis Research Canada was supervising the switch of the accounting system over to the new QuickBooks software.

Signed:



John M. Esdaile, MD, MPH, FRCPC, MAHS
Scientific Director, Arthritis Research Canada

Appendix I: ACTIVE GRANT FUNDING UP TO JUNE 30, 2016

Appendix II: PUBLICATIONS & ABSTRACTS FROM JULY 1, 2015 TO JUNE 30, 2016

Appendix I

FUNDING FROM JULY 1, 2015 TO JUNE 30, 2016

AIHS - Alberta Innovates Health Solutions; CAN – Canadian Arthritis Network; CIORA – Canadian Initiative for Outcomes in Rheumatoid Arthritis; CIHR – Canadian Institutes of Health Research; CRA - Canadian Rheumatology Association; CHHM – Centre for Hip Health and Mobility; HSFC – Heart and Stroke Foundation of Canada; EULAR – European League Against Rheumatism; MSFHR – Michael Smith Foundation for Health Research; NCI – National Cancer Institute; NIH – National Institutes of Health; NCE – Networks of Centres of Excellence; TAS - The Arthritis Society;; UBC – University of British Columbia

SCIENTIST FUNDING - Operating Grants

Funding Agency	Title	PI(s)	Co-I(s)	Start Date	End Date
CIHR	New statistical methods for population-based studies of comparative effectiveness and safety of medications: development, validation and application	Abrahamowicz M	S Bernatsky, J Brophy, D Buckeridge, R Capek, J Delaney, W Dixon, R Ionescu-Iltu, D Lacaille , L Levesque, A Levy, Y Moride, L Pilote, R Tamblyn	Jul-11	Sep-16
CIHR	Canadian network for advanced interdisciplinary methods for prospective studies of drug safety and effectiveness	Abrahamowicz M	D Lacaille , A Berard, S Bernatsky, C Hohl, L Levesque, A Levy, Y Moride, L Pilote, L Bessette, L Blais, G Boire, C Bombardier, D Buckeridge, S Cadarette, R Capek, P Fortin et al.	Sep-14	Aug-19
Spondyloarthritis Research Consortium of Canada	Restrictions on access to anti-TNF agents among spondyloarthritis patients: Which international criteria are most cost-effective?	Anis A	N Bansback , S Harvard , B Fautrel	Sep-15	Aug-16
ARC Outcomes Grant	The risk of cardiovascular disease in patients with ankylosing spondylitis: A population-based study	Avina-Zubieta A		Jul-15	Jun-16
CIORA	Testing of system-Level performance measures for inflammatory arthritis	Barber C	D Lacaille , C Barnabe , D Marshall , S Bensler, G Hazlewood , D Mosher, V Bykerk, J Burt, C Thorne, V Ahluwalia, L Denning, N Shiff, S Katz, J Homik	Jan15	Dec 17
The Arthritis Society	Erosion healing and restoration of function in rheumatoid arthritis	Barnabe C , Boyd S		Jul-13	Jun-16
ARC Outcomes Grant	Indigenous patient preferences for rheumatoid arthritis pharmacotherapy	Barnabe C	Hazlewood G	Jul-15	Jun-16

CIHR	Arthritis care for indigenous populations'	Barnabe C	D Marshall , S Bernatsky, D Lacaille , L Lis, W Maksymowych, V Bykerk, G Hazlewood , J Jull, L Crowshoe et al	Jul-15	Jun-20
CIHR - Operating Grant	Make this break your last'': pilot testing an educational intervention to improve fragility fracture patients' awareness of their risk for refracture.	Beaton D	R Jain, R Earl, D Da Costa, P Fortin , M Gignac, S Jaglal, R Josse, C Kennedy, M Mamdani, N Rotondi, J Sale, R Sujic, K Thorpe	May-15	Apr-16
CIORA	Improving patient outcomes in rheumatoid arthritis may require deeper understanding of medication adherence	Bell MJ	CH Goldsmith , S Sandhu, N Lathia, R Sweezie	Jan-14	Dec-16
CIHR	Neurodevelopmental disorders in children born to women with systemic lupus erythematosus	Bernatsky S, Vinet E	AE Clarke , E Fombonne, L Joseph, CA Pineau, RW Platt	Apr-11	Sep-15
National Institutes of Health (US)	Cancer risk: advancing knowledge in systemic rheumatic disease	Bernatsky S	R Ramsey-Goldman, AE Clarke	Jan-13	Dec-15
CIHR - Foundation Scheme	Platelets and their microparticles: versatile players of inflammation	Boilard, E	P Fortin	Sep-14	Aug-19
CIHR - Operating Grant	Role of novel microparticle subtypes derived by platelets in SLE	Boilard, E	P Fortin	Mar-14	Feb-19
CIHR- Operating Grant	Role of autotaxin bound to platelet-derived microparticles to development of vascular damage in arthritis	Bourgoin S	E Boilard, P Fortin	Mar-15	Feb-20
Canadian Foundation for Innovation	An integrative approach for translating research to improve musculoskeletal health	Boyd S	DA Marshall , C Aglin, N Duncan, C Frank, M Fritzler, W Herzog et al	Jan-13	Dec-17
NIH	Impact of cardiovascular and weight loss diets on uric acid and gout risk	Choi H		Jul-13	Jun-17
The Vasculitis Foundation (USA)	Immune regulation by IL-6 in giant cell arteritis	Choy JC	K Shojania , JA Avina-Zubieta	Jun-15	May-16
CIORA	The economic challenges of SLE: measuring and mitigating the impact	Clarke AE	S Elliot, V Farewell, J Hanly, M Urowitz	Oct-15	Sep-17

Systemic Lupus International Collaborating Clinics	Quantifying the risk and economic burden of steroid-related damage in SLE: the SLICC Inception Cohort Study	Clark AE		Jan-14	Dec-17
Lupus Clinical Investigators Network (LuCIN).	Infrastructure grant for clinical studies	Clarke AE	Lupus	Jun-16	May-17
The Arthritis Society	The impact of arthritis medications during pregnancy on maternal and neonatal health	De Vera M	A Avina-Zubieta, C Marra, D Lacaille, P Janssen	Jul-13	Jun-16
Canadian Initiatives for Outcomes in Rheumatology Care (CIORA)	Collaborative care model supported by eHealth technologies on health outcomes and medication adherence among patients with gout	De Vera M	K Shojania, C Marra, H Choi, JA Avina-Zubieta, A Kydd, M Baker	Jul-14	Jan-17
CIHR	Consequences of knee joint injury in youth sport: Implications for knee osteoarthritis and other health outcomes	Emery, C	M Brussoni, R Ferber, R Krawetz, J Ronsky, L Woodhouse, P Doyle-Baker, J Jaremko, DA Marshall	Apr-14	Mar-17
CIHR	Alberta program in youth sport and recreational injury prevention	Emery C	DA Marshall et al	Apr-13	Mar-18
CIHR	CIHR team in IMPAKT-HIP – investigations of mobility, physical activity, and knowledge translation in hip pain	Esdaile J	LC Li, J Cibere, C Emery, B Forester, D Garbuz, M Gilbert, J Kopec, A Lehman, A Mackay, H McKay, D Wilson, H Wong, M Abrahamowicz	Sep-10	Aug-15
CIHR	PRECISION: Preventing Complications from Inflammatory Skin, Joint and Bowel Conditions	Esdaile J	C Goldsmith, M De Vera, J Dutz, D Lacaille, LC Li	Jul-14	Jun-19
CIHR	Development and validation of Canadian health literacy measurement tool for chronic disease management.	Fitzgerald M, Kopec JA	I Rootman, SD Aaron, C Bergeron, LP Boulet, J Bourbeau, R Goldstein, S Gupta, NA Khan, D Marciniuk, L Nimmon, I Poureslami, R Sawatzky, R, W Tan	Jul-15	Jun-20

CIHR	Dissemination of the Lupus Interactive Navigator - Measuring its uptake and impact on global health and self-care.	Fortin P	D DaCosta, V Haroun	Sep-16	Aug-18
VCH/MPAC	Do inflammatory arthritis patients receiving group music therapy improve pain compared to music listening over 6 weeks using a randomised control trial? "One good thing about music, when it hits you, you feel no pain"	Goldsmith CH	L Feehan	Jan-15	Dec-15
CIORA	Development and usability testing of a personalized risk communication tool to facilitate the shared decision of methotrexate treatment options in early rheumatoid arthritis	Hazlewood G	D Marshall, C Barnabe, LC Li, N Bansback, V Bykerk, P Tugwell	Oct 14	Sep 15
CIHR - Drug Safety and Effectiveness Network (DSEN)	Bayesian models for synthesizing randomized controlled trials and patients' preferences for treatment options in early rheumatoid arthritis and Crohn's disease	Hazlewood G, Kaplan G	D Marshall, C Bombardier, G Tomlinson	Mar 15	Feb 16
CIHR	Bridging the evidence gap: understanding patient and physician choices for treatment in early rheumatoid arthritis	Hazlewood G	C Barnabe, D Marshall, L Li, N Bansback	Oct-15	Sep-18
CIORA	Incorporating patients' preferences into Canadian Rheumatology Association treatment recommendations for rheumatoid arthritis	Hazlewood G		Aug-16	Jul-17
Natural Sciences and Engineering Research Council of Canada	Neuromuscular mechanisms governing knee joint biomechanics during normal gait	Hunt M		Jul-13	Jun-18
TAS	Effects of toe-out gait modification on clinical and biomechanical measures in people with medial compartment knee osteoarthritis	Hunt M	DR Wilson, CH Goldsmith	Jul-13	Jun-16

Covenant Health (Alberta)	Coaching for older adults with AO for community health (COACH Study)	Jones CA	L Beaupre, LC Li , H Hanson, S Kumar	Jul-16	Jun-18
CIHR	Planning for the collaborative implementation of a peer-support shared decision making strategy by and with Aboriginal populations: building foundations for a program of research in health systems that treat chronic disease'	Jull J	C Barnabe	Apr-15	Mar-16
CIHR	A comparison of strategies to reduce the burden of osteoarthritis: A population-based microsimulation study	Kopec J A	J Esdaile, J Cibere, L Li, H Wong, N Bansback, E Sayre	Mar-15	Feb-18
CIHR	A randomized controlled trial evaluating the effectiveness of the Making It Work program at preventing work loss and improving at work productivity in employed people with inflammatory arthritis.	Lacaille D	C Backman, J Esdaile, M Gignac, C Goldsmith, L Li, C Marra	Aug-11	Jul-16
CIHR	Assessing the quality of care for Rheumatoid Arthritis at a population level	Lacaille D,	M Abrahamowicz, A Anis, N Bansback, J Esdaile	Oct-13	Sep-16
CIORA	Case managers to improve the management of inflammatory arthritis and associated comorbidities with First Nations Communities: A proof of concept study	Lacaille D,	C Barnabe, H Brown, LC Li, L Crowshoe, C Goldsmith	Oct. 15	Sep-16
TAS	Case managers to improve management of arthritis and associated comorbidities with First Nations Communities : a proof of concept study	Lacaille D,	H Brown, LC Li, C Barnabe, L FJ Crowshoe, C Goldsmith	Jul-15	Jun-17
CIORA	Hip fracture in patients with rheumatoid arthritis: incidence, complications and health services used	Lacaille D, Jones CA	H Xie, P Guy	Aug-16	Jul-17

CIORA	Understanding the barriers to self-management support for underserved populations living with arthritis and co-morbidities and developing patient-derived tools for healthcare policy and practice	Lacaille D , Mills S	S Koehn, GP Flores, N Clark, C Koehn , M Fong, A Louie	Aug-16	Jul-18
CIHR	Implementation of a 'virtual' cardiac rehabilitation program	Lear S, Hawkins M	S Au, B Holmes, LC Li , M Naruki-van Velzen	Oct. 15	Sep-17
BC Knowledge Development Fund	Health Decision Technology (HD-Tech) Lab	Li LC		Jan-14	Dec-16
Canadian Foundation for Innovation	Health Decision Technology (HD-Tech) Lab	Li LC		Jan-13	Dec-15
CIORA	Supporting Patient care with Electronic Resource (SuPER): efficacy of an online decision aid for patients considering biologic therapy for rheumatoid arthritis	Li LC, Lacaille D	N Bansback, C Goldsmith , E Yacyshyn, CA Jones , P Adam, A Hoens , D Sholter, H Choi	Oct-15	Sep-17
CIHR	Knowledge translation to optimize mobility independence in older adults: Improving Cognitive & Joint health Network (ICON)	Li LC , Liu Ambrose, T, Esdaille JM , Gromala D	S Straus, F Légaré, C Shaw, R Smith, CA Jones, A Hoens , P Adam	Apr-14	Mar-17
VCHRI (Innovation & Translational Research award)	Improving physical activity using an online monitoring tool: a new model of care for knee OA	Li LC , Noonan G	L Feehan, C Goldsmith, A Hoens	Jan-15	Dec-16
CIHR	Supporting Physical activity & Reducing sedentary behaviour in Arthritis (SuPRA)	Li LC , Noonan G, Gromala D	A Avina-Zubieta, C Goldsmith, C Backman, A Townsend, L Feehan , R Smith, C Shaw, A Hoens	Jun-14	May-16

The Arthritis Society	Effectiveness of Online Physical Activity Monitoring in Inflammatory Arthritis (OPAM-IA): A new model of care	Li LC, Avina-Zubieta JA, Goldsmith C, Backman C, Townsend A, Feehan L , Shaw C, Gromala D	G Noonan, P Adam, L Callahan	Oct-14	May-17
The Arthritis Society	Empowering active self-management of arthritis: Raising the bar with OPERAS (an On-demand Program to Empower Active Self-management)	Li LC	D Lacaille , T Liu-Ambrose, C Backman , C Shaw, J Esdaile , K Miller, R Petrella, L Feenhan, C Koehn, C Goldsmith , P Adam	Jul-16	Jun-19
CIHR	Complex mental and social activities to promote cognitive function in older adults with chronic stroke	Liu-Ambrose T	CH Goldsmith	Apr-13	Mar-17
CIHR	Consortium to improve physical activity across the adult lifespan: Maximizing the potential of digital technologies	Liu-Ambrose T, Graham N, Li LC	J Best	Feb-15	Jan-16
VCHRI	Buying time: Improving sleep to promote cognitive function in older adults	Liu-Ambrose T	LC Li , C Chan	Jul-16	Jun-18
CIHR	Reshaping the path of mild cognitive impairment by refining exercise prescription: understanding training type and exploring mechanisms	Liu-Ambrose T	J Best, L Boyd, J Davis, L Galea, CH Goldsmith , P Hall, T Handy, GY Hsiung, C Jacova, A Kramer et al	Oct-15	Sep-20
CIHR	Developing a Canadian framework for evaluation and decision-making for expensive drugs for rare diseases through innovation, value, and priority setting	Lynd L	S Bryan, L Clarke, T Clifford, D Coyle, J Friedman, C Marra et al	Feb-12	Jan-17
CIHR	Candrive prospective older driver study	Marshall S	M Bedard, S Gagnon, I Gelinas, LC Li , B Mazer, A Myers, G Naglie, M Porter, H Tuokko, B Vrkljan	Apr-14	Mar-17
Genome Canada	Clinical implementation and outcomes evaluation of blood-based biomarkers for COPD management	Marra C	D Sin, R Ng	Jul-13	Jun-18

CIORA	Pharmacist-led cardiovascular disease intervention for inflammatory arthritis patients	Marra C	J Kielly, R Tsujuki, S Kealing	Aug-15	Jul-16
CIHR	Developing an innovative evidence-based decision support tool to improve osteoarthritis care, planning and health service management for diverse patient populations in Alberta, Saskatchewan and Manitoba	Marshall DA, Vanderby S	C Barnabe, M Carter, C Frank, L Lix, D Mosher, T Noseworthy, C Peschken	Apr-13	Mar-16
AIHS/PRIHS Grant	Optimizing centralized intake to improve arthritis care for Albertans	Marshall DA	C Barber, L Phillips, J Homik, C Barnabe et al	Jan-14	Jan-17
CIHR	Towards better surgical outcomes through improved decision making about appropriateness for total knee arthroplasty in patients with knee osteoarthritis	Marshall DA, Hawker G	E Bohm, M Dunbar, P Faris, A Jones, T Noseworthy, B Ravi, L Woodhouse	Apr-14	Mar-19
CIHR	Building partnerships to improve care of early knee osteoarthritis patients: Co-developing a risk management tool	Marshall DA	B Sharif, J Cibere, J Kopec, S Teare, J Miller, D Campbell-Scherer, P Fearis, L Green, K Mrklas, T Wasylak	Sep-16	Aug-18
CIORA	Measuring geographic variation in access to care for rheumatoid arthritis patients and related outcomes: A patient-centred approach	Marshall DA, Barber CE	S Bertazzon, A Patel, D Mosher, J Homik, S Katz, M Nasr	Aug-16	Jul-18
Alberta Innovates Health Solutions (AIHS)	Planning session for development of a clinical risk calculator for early knee osteoarthritis progression'	Marshall DA	B Sharif, J Kopec, J Cibere, L Green, S Teare, J Miller, N Marlett, D Campbell-Scherer, T Wasylak	Apr-16	Mar-17
CIHR	Evaluation of the WiiFit to enhance walking in older adults with lower limb amputation	Miller WC	CH Goldsmith	Oct-13	Sep-16
CIHR	Toward the development of Resources for Gout Education (TARGET)	Rai S	JA Avina-Zubieta, H Choi, M De Vera, L Li, K Shojania	Jul-16	Jul-17
The Arthritis Society	Patient Engagement in Research For the development of EduCations videos for Knowledge Translation , PERFECT-KT	Rai S	JA Avina-Zubieta, H Choi, M De Vera, L Li, K Shojania	Apr-16	Mar-17

CIHR	Interventions for undiagnosed and early-stage COPD: Informing policy, practice, and research through an Evaluation Platform in COPD (EPIC)	Sadatsafavi M	S Aaron, J Bourbeau, F MacPherson, P Brasher, S Bryan, JM Fitzgerald, J Kopec et al	Jul-15	Jun-18
CIHR	Methods and Applications Group for Indirect Comparisons (MAGIC)	Straus S, Hutton B, Moher D, Tricco A, Wells G	L Bjerre, C Cameron, T Clifford, D Coyle, D Ferfusson, Y Finkelstein, J Grimshaw, C Goldsmith et al	Sep-14	Aug-19
CIHR	The scleroderma patient-centre intervention network	Thombs B	C Marra & 30 others	Jul-12	Jun-17
The Arthritis Society	Helping adolescents with juvenile arthritis and their parents to make informed and valued-based decisions about pain relief modalities: development of a novel decision support intervention	Toupin-April K	LC Li , J Stinson, P Tugwell, C Duffy, A Huber, P Fortin , I Gaboury, J S Cohen, L Brosseau	Apr-15	Mar-18
The Arthritis Society	Open MRI for assessing joint biomechanics – applications for osteoarthritis	Wilson DR	J Cibere, M Hunt	Apr-15	Mar-18
AIHS, Spine Access Alberta PRIHS Grant	An innovative health service delivery and spine management model	Woodhouse L	DA Marshall et al	Jan-14	Jan-17

SCIENTIST FUNDING - Salary Grants

Peer Review			
Funding Agency	Title	Faculty	Start/End Date
CIHR	New Investigator Salary Award - Bridging the gap between research evidence and patient-centered treatment approaches for chronic immune-mediated diseases	Hazlewood G	Jul-16 - Jun-21
The Arthritis Society	New Investigator Salary Award	Hazlewood G	Aug-16 - Sep-19

MSFHR	Career Investigator Award - Reducing the burden and gaps in care for patients with systemic autoimmune rheumatic diseases (ReGaIN SARDs)	Avina A	Jul-14 - Jun-19
CIHR	New Investigator Award - Arthritis care for Indigenous populations	Barnabe C	Jul-14 - Jul-19
CIHR	New Investigator Award - Can patient-centred care improve outcomes and save costs?	Bansback N	Jul-14 - Jul-19
Government of Canada	Tier II Canada Research Chair in Pharmaceutical Outcomes (renewal)	Marra C	Oct-11 - Oct-16
The Arthritis Society	Investigator Award	Cibere J	Sep-12 - Aug-16
MSFHR	Career Investigator award - Pharmacoepidemiologic and pharmaceutical outcomes research to improve medication use, adherence, and outcomes in patients with arthritis	De Vera M	Jul-14 - Jun-19
MSFHR	Career Clinical Scholar	Hunt M	Jul-12 - Jul-20
CIHR	New Investigator Award - Non-invasive treatments to improve disease symptoms and cartilage health for knee osteoarthritis	Hunt M	Jul-14 - Jul-19
MSFHR	Career Investigator Award	Li L	Sep-11 - Aug-19
Canada Research Chair Program	Canada Research Chair in Patient-Oriented Knowledge Translation	Li L	Jan-14 - Dec-19
Government of Canada	Canada Research Chair in Systemic Autoimmune Rheumatic Diseases	Fortin P	Jul-12 - Jun-19
Government of Canada	Canada Research Chair in Health Services and Systems Research (renewal)	Marshall D	Mar-13 - Feb-18
UofC	Arthur J.E. Child Chair in Rheumatology Outcomes Research	Marshall D	Jul-12 - Jun-17
Non Peer Review			
BC Lupus Society	Scholar Award	Avina A	Jul-10 - Jun-15

UBC	Mary Pack Chair	Lacaille D	Sep-11 - Aug-16
UBC	Harold Robinson-Arthritis Society Chair in Rehabilitation Sciences	Li L	Jul-11 -
SFU	Maureen and Milan Illich Chair in Statistics and Information Sciences for Arthritis and Musculoskeletal Disease	Xie H	Sep-15 - Aug-20

TRAINEE AWARDS					
Funding Agency	Title	Trainee	Supervisor	Start Date	End Date
MSFHR	Postdoctoral Fellowship Award - Development and validation of the Patient Engagement In Research Scale (PEIRS)	Hamilton C	L Li	Sep-16	Aug-19
CIHR	Postdoctoral Fellowship - The effects of running on knee cartilage measures in people with and without knee osteoarthritis	Esculier JF	M Hunt	Jul-16	Jun-19
CIHR	Banting and Best Canada Graduate Scholarships Master's Award - Patient and provider perspectives of an eHealth-supported collaborative care model for gout: a mixed methods study	Howren A	M De Vera	May-16	Apr-17
Alberta Innovates Health Solutions/Alberta SPOR Unit: Patient Oriented Research Studentship	Falls and fear of falling in patients with total hip and knee replacements	Chen S	A Jones	Jan-16	Dec-16
EULAR	European Congress of Rheumatology Travel Award	Belvedere L	A Avina	Jun-16	Jun-16
Eli Lilly	Arthritis Research Canada/Lilly Early Rheumatology Researcher Scholarships	Belvedere L	A Avina	Jun-16	Jun-16
EULAR	European Congress of Rheumatology Travel Award	Li G	A Avina	Jun-16	Jun-16
Eli Lilly	Arthritis Research Canada/Lilly Early Rheumatology Researcher Scholarships	Li G	A Avina	Jun-16	Jun-16

CIHR	Frederick Banting and Charles Best Canada Graduate Scholarships - Doctoral Award - Sustainability in arthritis management programs for Indigenous populations of Canada and Mexico'	Loyola-Sanchez A	C Barnabe	Feb-16	Jan-18
U Calgary - Cummings School of Medicine Post-doctoral scholarship	Sustainability in arthritis management programs for Indigenous populations of Canada and Mexico	Loyola-Sanchez A	C Barnabe	Aug-15	Jul-16
CIHR	Frederick Banting and Charles Best Canada Graduate Scholarship Doctoral Award - Pharmaceutical outcomes research to better understand medication non-adherence in patients with systemic lupus erythematosus	Mehat P	M De Vera, J Esdaile	Jul-15	Jun-16
UBC Faculty of Pharmaceutical Sciences	UBC Graduate Research Award	Mehat P	M De Vera, J Esdaile	Nov-15	Nov-15
UBC Faculty of Graduate and Post-doctoral Studies	Elwynn Gregg Memorial Fellowship	Mehat P	M De Vera, J Esdaile	Nov. 15	Nov. 15
CIHR	Frederick Banting and Charles Best Canada Graduate Scholarship Doctoral Award - Effectiveness of a commercially available activity monitor for increasing physical activity in people with knee osteoarthritis: a randomized controlled trial	Clayton C	L Li	Nov-14	Oct-15
TAS	Trak-OA	Clayton C	L Li	Sep-14	Aug-15
TAS	Consumer Activity Grant - Patient advisory council for research topics in arthritis medication adherence	Rai S	H Choi, A Avina, M De Vera	Jun-15	May-16
UBC	UBC Faculty of Medicine Graduate Award	Rai S	H Choi, A Avina, M De Vera	May-15	May-15

UBC Faculty of Pharmaceutical Sciences	Santosh M. Wasan Graduate Student Travel Award	McCormick N	JA Avina, C Marra	May-16	May-16
CIHR	CIHR's Institute for Health Services and Policy Research Community Support Travel Award	McCormick N	JA Avina, C Marra	Jun-16	Jun-16
UBC	UBC Four Year Fellowship for PhD Students	McCormick N	JA Avina, C Marra	Sep-14	Aug-17
CIHR	Frederick Banting and Charles Best Canada Graduate Scholarship Doctoral Award - Long-term health resource utilization and total economic burden following diagnosis of systemic autoimmune rheumatic diseases: a population-based study	McCormick N	JA Avina, C Marra	Sep-15	Mar-16
Australia	Ken Muirden Fellowship Award (Australia)	Tan JA	JA Avina, J Esdaile	May-15	Apr-17
U Calgary	Eyes High postdoctoral award	Sharif B	DA Marshall	May-14	Apr-16
U Calgary	University of Calgary - Needs Assessment and Planning for Development of a Clinical Risk Calculator for Early Knee Osteoarthritis Progression	Sharif B	DA Marshall	Feb-16	Mar-17

Appendix II

PUBLICATIONS

1. **Agha A**, Liu-Ambrose TYL, **Backman CL**, **Li LC**. Understanding the experiences of rural community-dwelling older adults in using a new DVD-delivered Otago exercise program: a qualitative study. *Interact J Med Res*. 2015 Aug;4(3):e17. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4705014/>
2. Al Dhanhani AM, Gignac MA, Beaton DE, Su J, **Fortin PR**. Job accommodations availability and utilization among people with lupus: an examination of workplace activity limitations and work context factors. *Arthritis Care Res (Hoboken)* 2015 Nov;67(11):1536-44.
3. **Amiri N**, **De Vera M**, **Choi HK**, **Sayre EC**, **Avina-Zubieta JA**. Increased risk of cardiovascular disease in giant cell arteritis: a general population-based study. *Rheumatology (Oxford)*. 2016 Jan;55(1):33-40.
4. **Anis AH**, **Harvard S**. A ban on 'Private Label' generic pharmaceuticals: the Canadian legal context and economic considerations. *Int J Econ Bus*. 2015 22(2):219-229.
5. **Aviña-Zubieta JA**, Man A, **Yurkovich M**, Huang K, **Sayre EC**, **Choi HK**. Early cardiovascular disease after the diagnosis of systemic sclerosis. *Am J Med*. 2016 Mar 129(3):324-31.
6. **Aviña-Zubieta JA**, **Vostretsova K**, **De Vera MA**, **Sayre EC**, **Choi HK**. The risk of pulmonary embolism and deep venous thrombosis in systemic lupus erythematosus: a general population-based study. *Semin Arthritis Rheum*. 2015 45(2):195-201.
7. Baldwin C, **Aviña-Zubieta JA**, **Rai SK**, **Carruthers E**, **De Vera MA**. Disease-modifying anti-rheumatic drug use in pregnant women with rheumatic diseases: a systematic review of the risk of congenital malformations. *Clin Exp Rheumatol*. 2016 Mar-Apr;34(2):172-83.
8. **Bansback N**, Keystone E, O'Dell J, Phibbs CS, Hannagan, K, Brophy, M, **Anis, A**. Making smart investment decisions in clinical research. *Trials*. 2015;16(1), pp.1-4. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4693420/>
9. **Bansback N**, Harrison M, **Marra C**. Does introducing imprecision around probabilities for benefit and harm Influence the way people value treatments? *Med Decis Making*. 2015 Aug 24. pii: 0272989X15600708. [Epub ahead of print].
10. **Barber CE**, **Marshall DA**, Alvarez N, **Lacaille D**, Keeling S, **Avina-Zubieta JA**, Khodyakov D, **Barnabe C**, Faris P, Smith A, Noormohamed R, **Hazlewood G**, Martin L, **Esdaille J**. Development of cardiovascular quality indicators for rheumatoid arthritis: results from an international expert panel using a novel online process. *J Rheumatol*. 2015 Sep;42(9):1548-55.
11. **Barber CE**, Patel JN, Woodhouse L, Smith C, Weiss S, Homik J, LeClercq S, Mosher D, Christiansen T, Squire Howden J, Wasylak T, Greenwood-Lee J, Emrick A, Suter E, Kathol B, Khodyakov D, Grant S, Campbell-Scherer D, Phillips L, Hendricks J, **Marshall DA**. Development of key performance indicators to evaluate centralized

- intake for patients with osteoarthritis and rheumatoid arthritis. *Arthritis Res Ther.* 2015, 17(1):322. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644283/>
12. **Barber CE, Marshall DA**, Mosher D, Akhavan P, Tucker L, Houghton K, Batthish M, Levy D, Schmeling H, Ellsworth J, Tibollo H, Grant S, Khodyakov D, **Lacaille D**. Arthritis Alliance of Canada Performance Measurement Development Panel. Development of system-level performance measures for evaluation of models of care for inflammatory arthritis in Canada. *J Rheumatol.* 2016 Mar;43(3):530-40. <http://www.irheum.org/content/43/3/530.long>
 13. **Barnabe C**, Sun Y, Boire G, Hitchon CA, Haraoui B, Thorne JC, Tin D, van der Heijde D, Curtis JR, Jamal S, Pope JE, Keystone EC, Bartlett S, Bykerk VP, CATCH Investigators. Heterogeneous disease trajectories explain variable radiographic, function and quality of life outcomes in the Canadian Early Arthritis Cohort (CATCH). *PLoS One* 2015;10(8):e0135327. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4547697/>
 14. Bennell KL, Ahamed Y, Jull G, Bryant C, **Hunt MA**, Forbes A, Akram M, Metcalf B, Harris A, Egertron T, Kenardy J, Nicholas MK, Keefe FJ. Physiotherapist-delivered pain coping skills training and exercise for knee osteoarthritis: randomized controlled trial. *Arthritis Care Res.* 2016;68:590-602.
 15. Bernatsky S, Smargiassi A, Johnson M, Kaplan GG, **Barnabe C**, Svenson L, Brand A, Bertazzon S, Hudson M, **Clarke AE, Fortin P**, Edworthy S, Belisle P, Joseph L. Fine particulate air pollution, nitrogen dioxide, and systemic autoimmune rheumatic disease in Calgary, Alberta. *Environ Res.* 2015 Jul;140:474-8.
 16. Bernatsky S, Smargiassi A, **Barnabe C**, Svenson L, Brand A, Martin RV, Hudson M, **Clarke AE, Fortin P**, van Donkelaar A, Edworthy S, Belisle P, Joseph L. Fine particulate air pollution and systemic autoimmune rheumatic disease in two Canadian provinces. *Environmental Research* 2015;146:85-91.
 17. Boilard E, **Fortin PR**. Connective tissue diseases: Mitochondria drive NETosis and inflammation in systemic lupus erythematosus. *Nat Rev Rheumatol.* 2016 Apr;12(4):195-6
 18. Braschi E, **Shojania K**, Allan GM. Anti-CCP: a truly helpful rheumatoid arthritis test? *An Fam Physician.* 2016 Mar;62(3):234.
 19. Chang NH, Li TT, Kim JJ, Landolt-Marticorena C, **Fortin PR**, Gladman DD, Urowitz MB, Wither JE. Interferon- α induces altered transitional B cell signaling and function in systemic lupus erythematosus. *J Autoimmun.* 2015 Apr;58:100-10.
 20. Chen Y, **Hunt MA**, Campbell KL, Peill K, Reid WD. The effect of Tai Chi on four chronic conditions – cancer, osteoarthritis, heart failure and chronic obstructive pulmonary disease: a systematic review and meta-analysis (2016). *British Journal of Sports Medicine* 50:397-407.
 21. Cividino A, Bakowsky V, Barr S, Bessette L, Hazel E, Khalidi N, Pope J, Robinson D, **Shojania K**, Yacyshyn E, Lohfeld L, Crawshaw D. How to attract trainees, a Pan-

- Canadian perspective: Phase 1 of the "Training the Rheumatologists of Tomorrow" Project. *J Rheumatol*. 2016 Apr;43(4):788-98.
22. Davis JC, Bryan S, Best JR, **Li LC**, Hsu CL, Gomez C, Vertes K, Liu-Ambrose T. Mobility predicts change in older adults' health-related quality of life: evidence from a Vancouver falls prevention prospective cohort study. *Health Qual Life Outcomes*. 13(1):101, 2015. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4501103/>
 23. Davis JC, Bryan S, **Li LC**, Hsu L, Gomez C, Vertes K, Liu-Ambrose T. Mobility and cognition are associated with wellbeing and health related quality of life. *BMC Geriatrics*. 15(1):75, 2015. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4491415/>
 24. Demirci FY, Wang X, Kelly JA, Morris D, Barmada MM, Feingold E, Kao AH, Sivils KL, Bernatsky S, Pineau C, **Clarke AE**, Ramsey-Goldman R, Vyse TJ, Gaffney PM, Manzi S, Kamboh MI. Identification of a new susceptibility locus for systemic lupus erythematosus on chromosome 12 in individuals of European ancestry. *Arthritis Rheum*. 2016;68(1):174-183.
 25. **Feehan L**, Leung A, **Goldsmith C**, **Li LC**. Comparison of Sensewear Mini and Actigraph GT3X accelerometer measures of sedentary and light intensity physical activities in a controlled laboratory and free-living conditions. *Physiotherapy Canada*. (In-press) 2015.
 26. Gianola S, Castellini G, Agostini M, Bolotta R, Corbetta D, Frigerio P, Gasparini M, Gozzer P, Guariento E, **Li LC**, Pecoraro V, Sirtori V, Turolla A, Andreano A, Moja L. Reporting of rehabilitation intervention for low back pain in randomized controlled trials: is the treatment fully replicable? *Spine*. (Phila Pa 1976) Mar;41(5):412-8.
 27. Goobie GC, Bernatsky S, Ramsey-Goldman R, **Clarke AE**. Malignancies in systemic lupus erythematosus: a 2015 update. *Curr Opin Rheumatol*. 2015 Sep;27(5):454-60.
 28. Greenwood-Lee J, Wild G, **Marshall DA**. Improving accessibility through referral management: setting targets for specialist care. *Health Systems*, 2015 (In press)
 29. Hanly JG, Su L, Urowitz MB, Romero-Diaz J, Gordon C, Bae SC, Bernatsky S, **Clarke AE**, Wallace DJ, Merrill JT, Isenberg DA, Rahman A, Ginzler EM, Petri M, Bruce IN, Dooley MA, **Fortin P**, Gladman DD, Sanchez-Guerrero J, Steinsson K, Ramsey-Goldman R, Khamashta MA, Aranow C, Alarcón GS, Fessler BJ, Manzi S, Nived O, Sturfelt GK, Zoma AA, van Vollenhoven RF, Ramos-Casals M, Ruiz-Irastorza G, Lim SS, Kalunian KC, Inanc M, Kamen DL, Peschken CA, Jacobsen S, Askanase A, Theriault C, Thompson K, Farewell V. Mood disorders in systemic lupus erythematosus: results from an international inception cohort study. *Arthritis Rheumatol*. 2015 Jul;67(7):1837-47.
 30. Hanly JH, Su L, Urowitz MB, Romero-Diaz J, Gordon C, Bae SC, Bernatsky S, **Clarke AE** & SLICC et al. Mood disorders in systemic lupus erythematosus: results from an international inception cohort study. *Arthritis Rheumatol*. 2015 Jul;67(7):1837-47.
 31. Hanly J, O'Keefe A, Su L, Urowitz MB, Romero-Diaz J, Gordon C, Bae SC, Bernatsky S, **Clarke AE**, **Fortin PR** & SLICC et al. The frequency and outcome of lupus nephritis: results from an international, inception, cohort study. *Rheumatology* 2016 Feb; 55 (2):252-62.

32. Hart HF, Collins NJ, Ackland DC, Cowan SM, **Hunt MA**, Crossley KM. Immediate effects of a brace on gait biomechanics for predominant lateral knee osteoarthritis and valgus malalignment after anterior cruciate ligament reconstruction. *Am J Sports Med.* 2016 ;44:865-873.
33. **Harvard S**, Gossec L, Pham T, Richette P, Dougados M, **Anis A**, Fautrel B. Measurable definitions of ankylosing spondylitis management recommendations are needed for use in observational studies. *Joint Bone Spine.* 2016 Jan;83(1):101-3.
34. **Harvard S**, Guh D, **Bansback N**, Richette P, Dougados M, **Anis A**, Fautrel B. Costs of early spondyloarthritis: estimates from the first 3 years of the DESIR cohort. *RMD Open* 2016;2:e000230. doi:10.1136/rmdopen-2015-000230.
35. **Hatfield GL**, Morrison A, Wenman M, Hammond C, **Hunt MA**. Clinical tests of standing balance in the knee osteoarthritis population: systematic review and meta-analysis. *Phys Ther.* 2016 Mar;96(3):324-37.
36. **Hatfield GL**, Stanish WD, Hubley-Kozey CL. Three-dimensional biomechanical gait characteristics at baseline are associated with progression to total knee arthroplasty. *Arthritis Care Res (Hoboken)* 2015 Jul;67(7):1004-14.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4654242/>
37. **Hatfield GL**, Stanish WD, Hubley-Kozey CL. Relationship between knee adduction moment patterns extracted using principal component analysis and discrete measures with different amplitude normalizations: implications for knee osteoarthritis progression studies. *Clin Biomech (Bristol, Avon)* 2015 Dec;30(10):1146-52.
38. **Hatfield GL**, Cochrane CK, **Takacs J**, Krowchuk NM, Chang R, Hinman RS, **Hunt MA**. Knee and ankle biomechanics with lateral wedges with and without a custom arch support in those with medial knee osteoarthritis and flat feet. *J Orthop Res.* 2016 Jan 22. doi: 10.1002/jor.23174. [Epub ahead of print].
39. Hauber AB, Gonzalez JM, Groothuis-Oudshoorn CG, Prior T, **Marshall DA**, Cunningham C, IJzerman MJ, Bridges JF. Statistical methods for the analysis of discrete choice experiments: a report of the ISPOR conjoint analysis good research practices task force. *Value Health.* 2016 19(4):300-15.
40. **Hazlewood GS**, Barr SG, Lopatina E, **Marshall DA**, Lupton TL, Fritzler MJ, Mosher DP, Steber WA, Martin L. Improving appropriate access to care with central referral and triage in rheumatology. *Arthritis Care Res (Hoboken)* 2016 Jan 27. doi: 10.1002/acr.22845. [Epub ahead of print].
41. Hung A, **Sayre EC**, Guermazi A, **Esdale JM**, **Kopec JA**, Thorne A, Singer J, Wong H, Nicolaou S, **Cibere J**. Association of body mass index with incidence and progression of knee effusion on magnetic resonance imaging and on knee examination. *Arthritis Care Res (Hoboken)*. 2016;68:511-16.
42. Ikic A, Beaudoin C, Brown JP, Bessette L, **Fortin PR**, Michou L. Assessment of the educational impact of an information leaflet on the knowledge of complications in systemic sclerosis. *Joint Bone Spine.* 2015 Oct;82(5):373-5.

43. Jasper L, **Jones CA**, Mollins J, Pohar S, Beaupre LA. Risk factors of revisions for total knee arthroplasty: scoping review. *BMC Musculoskeletal Disorders* 2016. 17:182 doi:10.1186/s12891-016-1025-8
44. Jetha A, Badley E, Beaton D, **Fortin PR**, Shiff NJ, Gignac MA. Unpacking early work experiences of young adults with rheumatic disease: an examination of absenteeism, job disruptions, and productivity loss. *Arthritis Care Res (Hoboken)*. 2015 Sep;67(9):1246-54.
45. Jewett LR, Malcarne VL, Kwakkenbos L, Harcourt D, Rumsey N, Körner A, Steele RJ, Hudson M, Baron M, Haythornthwaite JA, Heinberg L, Wigley FM, Thombs BD, **Fortin PR**; Canadian Scleroderma Research Group (CSRG). Development and validation of the Body Concealment Scale for Scleroderma (BCSS). *Arthritis Care Res (Hoboken)*. 2015 Dec 14. doi: 10.1002/acr.22819. [Epub ahead of print].
46. **Jones CA**, Jhangri GS, Feeny D, Beaupre LA. Cognitive status at hospital admission: post-operative trajectory of functional recovery for hip fracture. *J Gerontol A Biol Sci Med Sci*. Sciences 2015. Aug 21. pii: glv138. [Epub ahead of print]
47. Konan S, **Garbuz DS**, Masri BA, Duncan CP. Modular tapered titanium stems in revision arthroplasty of the hip: the risk and causes of stem fracture. *Bone Joint J*. 2016 Jan;98-B(1 Suppl A):50-3.
48. **Kopec JA, Sayre EC**, Fines P, Flanagan WM, Nadeau C, Okhmatovskaia A, Wolfson MC; Simulation technology for applied research team. Effects of reductions in body mass index on future osteoarthritis burden in Canada: a population-based microsimulation study. *Arthritis Care Res (Hoboken)*. 2016 Aug;68(8):1098-105.
49. Lacny SL, Wilson T, Clement F, Roberts DJ, Faris P, Ghali WA, **Marshall DA**. Kaplan-Meier Survival analysis overestimates the risk of revision arthroplasty: a meta-analysis. *Clin Orthop Relate Res*. Nov 2015; 473(11): 3431-42.
50. Lacny S, Bohm E, Hawker G, Powell J, **Marshall DA**. Assessing the comparability of hip arthroplasty registries in order to improve the recording and monitoring of outcome. *Bone Joint J*. 2016 98-B(4):442-51.
51. Lash NJ, Whitehouse MR, **Greidanus NV, Garbuz DS**, Masri BA, Duncan CP. Delayed dislocation following metal-on-polyethylene arthroplasty of the hip due to 'silent' trunnion corrosion. *Bone Joint J*. 2016 Feb;98-B(2):187-93.
52. Leggett S, van der Zee-Neuen A, Boonen A, Beaton D, Bojinca M, Bosworth A, Dadoun S, Fautrel B, Hagel S, Hofstetter C, **Lacaille D**, Linton D, Mihai C, Petersson IF, Rogers P, Sciré C, Verstappen SM; At-work Productivity Global Measure Working Group. Content validity of global measures for at-work productivity in patients with rheumatic diseases: an international qualitative study. *Rheumatology (Oxford)*. 2016 Aug;55(8):1364-73.
53. Leggett S, van der Zee-Neuen A, Boonen A, Beaton DE, Bojinca M, Bosworth A, Dadoun S, Fautrel B, Hagel S, Hofstetter C, **Lacaille D**, Linton D, Mihai C, Petersson IF, Rogers P, Sergeant JC, Sciré C, Verstappen SM; At-work Productivity Global Measure Working Group. Test-retest reliability and correlations of 5 global measures

- addressing at-work productivity loss in patients with rheumatic diseases. *J Rheumatol*. 2016 Feb;43(2):433-9.
54. Levis B, Rice DB, Kwakkenbos L, Steele RJ, Hagedoorn M, Hudson M, Baron M, Thombs BD, **Fortin PR**; Canadian Scleroderma Research Group. Using marital status and continuous marital satisfaction ratings to predict depressive symptoms in married and unmarried women with systemic sclerosis: a Canadian Scleroderma Research Group Study. *Arthritis Care Res (Hoboken)*. 2015 Nov 25. doi: 10.1002/acr.22802. [Epub ahead of print].
 55. Liu Y, **Barnabe C**. Response to body mass index and the risk of rheumatoid arthritis: a systematic review and dose-response meta-analysis'. *Arthritis Res Ther*. 2015 Aug 19;17:216. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4543493/>
 56. Lui M, **Jones CA, Westby MC**. Effect of non-surgical, non-pharmacological weight loss interventions in patients who are obese prior to hip and knee arthroplasty surgery: a rapid review. *Syst Rev*. 2015; Sep 27;4:121.
 57. **Marshall DA**, Vanderby S, **Barnabe C**, MacDonald K, Maxwell C, Mosher D, Wasylak T, Lix L, Enns E, Frank C, Noseworthy T. Estimating the burden of osteoarthritis to plan for the future. *Arthritis Care Res*. 2015 67(10): 1379-86.
 58. **Marshall DA**, Burgos-Liz L, Pasupathy KS, Padula WV, IJzerman MJ, Engbers J, Crown W, Wong PK, Higashi MK Wiebe S, Osgood ND. Transforming healthcare delivery: integrating dynamic simulation modeling and big data in health economics and outcomes research. *Pharmacoeconomics*. 2016 Feb;34(2):115-26.
 59. **McCormick N, Lacaille D, Bhole V, Avina-Zubieta JA**. Validity of heart failure diagnoses in administrative databases: a systematic review and meta-analysis. *PLoS One*. 2014 Aug 15;9(8):e104519.
 60. **McCormick N, Bhole V, Lacaille D, Avina-Zubieta JA**. Validity of diagnostic codes for acute stroke in administrative databases: a systematic review. *PLOS ONE*. 2015 Aug 20;10(8):e0135834. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4546158/>
 61. McGeoch L, Twilt M, Famorca L, Bakowsky V, Barra L, Benseler S, Cabral DA, Carette S, Cox GP, Dhindsa N, Dipchand C, Fifi-Mah A, Goulet M, Khalidi N, Khraishi MM, Liang P, Milman N, Pineau CA, Reich H, Samadi N, **Shojania K**, Taylor-Gjevre R, Towheed TE, Trudeau J, Walsh M, Yacyshyn E, Pagnoux C; Canadian Vasculitis Research Network (CanVasc). CanVasc recommendations for the management of antineutrophil cytoplasm antibody (ANCA)-associated vasculitides - Executive summary. *Can J Kidney Health Dis*. 2015 Nov 9;2:43.
 62. McGeoch L, Twilt M, Famorca L, Bakowsky V, Barra L, Benseler SM, Cabral DA, Carette S, Cox GP, Dhindsa N, Dipchand CS, Fifi-Mah A, Goulet M, Khalidi N, Khraishi MM, Liang P, Milman N, Pineau CA, Reich HN, Samadi N, **Shojania K**, Taylor-Gjevre R, Towheed TE, Trudeau J, Walsh M, Yacyshyn E, Pagnoux C; Canadian Vasculitis Research Network. CanVasc recommendations for the management of antineutrophil cytoplasm antibody-associated vasculitides. *J Rheumatol*. 2016 Jan;43(1):97-120.

63. Miller JL, Teare SR, Marlett N, Shklarov S, **Marshall DA**. Support for living a meaningful life with osteoarthritis: A patient-to-patient research survey. *Patient*. 2016 Apr 16 [Epub ahead of print].
64. Moura CS, Abrahamowicz M, Beauchamp ME, **Lacaille D**, Wang Y, Boire G, **Fortin PR**, Bessette L, Bombardier C, Widdifield J, Hanly JG, Feldman D, Maksymowych W, Peschken C, **Barnabe C**, Edworthy S, Bernatsky S. Early medication use in new-onset rheumatoid arthritis may delay joint replacement: results of a large population-based study. *Arthritis Res Ther*. 2015 Aug 3;17:197.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4522999/>
65. Munro S, Stacey D, Lewis KB, **Bansback N**. Choosing treatment and screening options congruent with values: do decision aids help? Sub-analysis of a systematic review. *Patient Educ Couns*. 2015 Nov 2.pii: S0738-3991(15)30107-5.
66. Paterson G, Toupin AK, **Backman C**, Tugwell P. OA go away: development and preliminary validation of a self-management toll to promote adherence to exercise and physical activity for people with osteoarthritis of the hip or knee. *Physiotherapy Canada*. 2015 epub ahead of print, doi: <http://dx.doi.org/10.3138/ptc.2014-68>.
67. Patrick DM, Miller RR, Gardy JL, Parker SM, Morshed MG, Steiner TS, Singer J, **Shojania K**, Tang P; **Avina-Zubieta JA**, Complex Chronic Disease Study Group. Lyme disease diagnosed by alternative methods: a phenotype similar to that of chronic fatigue syndrome. *Clin Infect Dis*. 2015 Oct 1;61(7):1084-91.
68. Racine M, Hudson M, Baron M, Nielson WR, **Fortin PR**; Canadian Scleroderma Research Group. The impact of pain and itch on functioning and health-related quality of life in systemic sclerosis: an exploratory study. *J Pain Symptom Manage*. 2016 Feb 11. pii: S0885-3924(16)00050-6.
69. **Rai SK, Burns LC, De Vera MA, Haji A**, Giustini D, **Choi HK**. The economic burden of gout: a systematic review. *Semin Arthritis Rheum*. 2015 Aug;45(1):75-80.
70. **Rai S, Choi HK, Sayre EC, Aviña-Zubieta JA**. Risk of myocardial infarction and ischaemic stroke in individuals with polymyositis and dermatomyositis: a general population-based study. *Rheumatology (Oxford)*. 2016 Mar;55(3):461-9.
71. **Ratzlaff C, Zhang C**, Korzan J, Josey L, Wong H, **Cibere J, Prlic HM, Kopec JA, Esdaile JM, Li LC, Barber M**, Forster BB. The validity of a non-radiologist reader in identifying cam and pincer femoroacetabular impingement (FAI) using plain radiography. *Rheumatol Int*. 2016 Mar;36(3):371-6.
72. Raymakers AJN, **Tsao NW, Marra CA**, Clements PJ, Khanna D. Health state utilities and disease duration in systemic sclerosis: is there an association? Results from the UCLA Scleroderma Quality of Life Study. *J Rheumatol*. May 2016 Accepted.
73. Riehm KE, Kwakkenbos L, Carrier ME, Bartlett SJ, Malcarne VL, Mouthon L, Nielson WR, Poiraudeau S, Nielsen K, Baron M, Frech T, Hudson M, Pope J, Sauve M, Suarez-Almazor ME, Wigley FM, Thombs BD, **Fortin PR**; SPIN Investigators. Validation of the Self-Efficacy for Managing Chronic Disease (SEMCD) Scale: A

- Scleroderma Patient-centered Intervention Network (SPIN) Cohort Study. *Arthritis Care Res (Hoboken)*. 2016 Aug;68(8):1195-200.
74. Rosenthal M, **Tsao NW**, Tsuyuki RT, **Marra CA**. Identifying relationships between the professional culture of pharmacy, pharmacists' personality traits, and the provision of advanced pharmacy services. *Res Social Adm Pharm*. 2016 Jan-Feb;12(1):56–67.
 75. Sadowski CA, Li JC, Pasay D, **Jones CA**. Inter-professional peer teaching of pharmacy students by physical therapy students. *Am J Pharm Ed*. 2015. 79(10) 155.
 76. Sandiford NA, Duncan CP, **Garbuz DS**, Masri BA. Two-stage management of the infected total hip arthroplasty. *Hip Int*. 2015 Jul-Aug;25(4):308-15.
 77. Sayah FA, **Bansback N**, Bryan S, Ohinmaa A, Poissant L, Pullenayegum E, Xie F, Johnson JA. Determinants of time trade-off valuations for EQ-5D-5L health states: data from the Canadian EQ-5D-5L valuation study. *Qual Life Res*. 2016 Jul;25(7):1679-85
 78. **Sawatzky R**, Ratner PA, **Kopec JA**, Wu AD, Zumbo BD. The accuracy of computerized adaptive testing in heterogeneous populations: a mixture item-response theory analysis. *PLoS One*. 2016 Mar 1;11(3):e0150563.
 79. Schoenfeld SR, **Choi HK**, **Sayre EC**, **Avina-Zubieta JA**. The risk of pulmonary embolism and deep venous thrombosis in systemic sclerosis: a general population-based study. *Arthritis Care Res*. 2016 Feb 68;(2):246-253.
 80. **Sharif B**, Garner R, Sanmartin C, Flanagan WM, Hennessy D, **Marshall DA**. Risk of work loss due to illness or disability in patients with osteoarthritis: a population-based cohort study. *Rheumatology (Oxford)*. 2016 May;55(5):861-8.
 81. **Sharif B**, **Kopec JA**, Wong H, **Anis AH**. Distribution and drivers of average direct cost of osteoarthritis in Canada from 2003 to 2010. *Arthritis Care Res (Hoboken)*. 2016 May 9. doi: 10.1002/acr.22933. [Epub ahead of print].
 82. **Sharif B**, **Kopec J**, **Bansback N**, **Rahman MM**, Flanagan WM, Wong H, Fines P, **Anis A**. Projecting the direct cost burden of osteoarthritis in Canada using a microsimulation model. *Osteoarthritis Cartilage*. 2015 Oct;23(10):1654-63.
 83. Srivastava N, Hudson M, Tatibouet S, Wang M, Baron M, Fritzler MJ, **Fortin PR**; Canadian Scleroderma Research Group (CSRG). Thinking outside the box - The associations with cutaneous involvement and autoantibody status in systemic sclerosis are not always what we expect. *Semin Arthritis Rheum*. 2015 Oct;45(2):184-9.
 84. Stolwijk C, Castillo-Ortiz JD, Gignac M, Luime J, Boonen A, **Lacaille D**; OMERACT Worker Productivity Group. Importance of contextual factors when measuring work outcome in ankylosing spondylitis: a systematic review by the OMERACT Worker Productivity Group. *Arthritis Care Res (Hoboken)*. 2015 Sep;67(9):1316-27.
 85. **Takacs J**, Carpenter MG, Garland SJ, **Hunt MA**. Factors associated with dynamic balance in people with knee osteoarthritis. *Arch Phys Med Rehabil*. 2015 Oct;96(10):1873-9.

86. Tate RL, Perdices M, Rosenkoetter U, Shadish W, Vohra S, Barlow DH, Horner R, Kazdin A, Kratochwill T, McDonald S, Sampson M, Shamseer L, Togher L, Albin R, **Backman C**, Douglas J, et al. The Single-Case Reporting Guideline In BEhavioural Interventions (SCRIBE) 2016 Statement. *J Clin Epidemiol* 2016;73:142-52; *Can J Occup Ther* 2016;83(3):184-95; *J Sch Psychol.* 2016 56:133-42; *Aphasiology.* 2016 30(7):862-876; *Am J Occup Ther.* 2016 70(4):70043200010p1-7004320010p11. <http://www.sciencedirect.com/science/article/pii/S0022440516300073>
87. Tessier-Cloutier B, **Clarke AE**, Pineau CA, Keeling S, Bissonauth A, Ramsey-Goldman R, Lee J, Bernatsky S. What investigations are needed to optimally monitor for malignancies in systemic lupus erythematosus? *Lupus.* 2015 Jul;24(8):781-787.
88. **To-Miles FYL, Backman CL.** What telomeres say about activity and well-being: a rapid review. November 2015, *Can J Occup Ther.* 2016, pii: 0008417415627345. [Epub before print].
89. **Townsend A, Leese J,** Adam P, McDonald M, **Li LC, Kerr S, Backman CL.** eHealth, participatory medicine, and ethical care: a focus group study of patients' and health care providers' use of health-related internet information. *J Med Internet Res.* 2015 Jun 22;17(6):e155. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4526955/>
90. **Tsao NW,** Lynd LD, Gastonguay L, Li K, Nakagawa B, **Marra CA.** Factors associated with pharmacists' perceptions of their working conditions and safety and effectiveness of patient care. *Can Pharm J (ott.).* 2016 Jan;149(1):18-27. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4713891/>
91. **Tsao NW,** Khakban A, Gastonguay L, Li K, Lynd LD, **Marra CA.** Perceptions of British Columbia residents and their willingness to pay for medication management services provided by pharmacists. *Can Pharm J (Ott).* 2015 Sep;148(5):263-73. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4561461/>
92. van Genderen S, Plasqui G, **Lacaille D,** Arends S, van Gaalen F, van der heijde D, Heuft L, Keszei A, Luime J, Spoorenberg A, Landewé R, Gignac M, Boonen A. Social role Participation Questionnaire for patients with ankylosing spondylitis: translation into Dutch, reliability and construct validity. *RMD Open* 2016 Feb 1;2(1):e000177. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4746579/>
93. van Dijk JD, Groothuis-Oudshoorn CGM, **Marshall DA,** IJzerman MJ. An empirical comparison of discrete choice experiment and best worst scaling to estimate stakeholders' risk tolerance for hip replacement surgery. *Value Health* 2016 Jun;19(4):316-22.
94. Vinet E, Pineau C, **Clarke AE,** Scott S, Fombonne E, Joseph L, Platt R, Bernatsky S. Increased risk of autism spectrum disorders in children born to women with systemic lupus erythematosus: results from the OSLER Cohort. *Arthritis Rheum.* 2015 Dec;67(12): 3201-3208.
95. **Westby MD, Klemm A, Li LC, Jones CA.** The emerging role of quality indicators in physical therapy practice and health services delivery. *Phys Ther J.* 2015;96: 90-100.
96. Whitehouse MR, Endo M, Zachara S, Nielsen TO, **Greidanus NV,** Masri BA, **Garbuz DS,** Duncan CP. Adverse local tissue reactions in metal-on-polyethylene total hip

- arthroplasty due to trunnion corrosion: the risk of misdiagnosis. *Bone Joint J.* 2015 Aug;97-B(8):1024-30.
97. Widdifield J, Moura CS, Wang Y, Abrahamowicz M, Paterson JM, Huang A, Beauchamp ME, Boire G, **Fortin PR**, Bessette L, Bombardier C, Hanly JG, Feldman D, Bernatsky S; Canadian Network for Advanced Interdisciplinary Methods for comparative effectiveness research (CAN-AIM). The long-term effect of early intensive treatment of seniors with rheumatoid arthritis: a comparison of 2 population-based cohort studies on time to joint replacement surgery. *J Rheumatol.* 2016 May;43(5):861-8.
 98. Wodkowski M, Hudson M, Proudman S, Walker J, Stevens W, Nikpour M, Assassi S, Mayes MD, Wang M, Baron M, Fritzler MJ, **Fortin PR**; Canadian Scleroderma Research Group (CSRG); Australian Scleroderma Cohort Study (ASCS); Genetics versus Environment in Scleroderma Outcome Study (GENISOS). Monospecific anti-Ro52/TRIM21 antibodies in a tri-nation cohort of 1574 systemic sclerosis subjects: evidence of an association with interstitial lung disease and worse survival. *Clin Exp Rheumatol.* 2015 Jul-Aug;33(4 Suppl 91):S131-5.
 99. Wong IT, **Shojania K**, **Dutz J**, **Tsao NW**. Clinical and economic review of secukinumab for moderate to- severe plaque psoriasis. *Expert Rev. Pharmacoecon Outcomes Res.* 2016 Feb 2:1-14.
 100. **Zhang W**, **Bansback N**, Sun H, Pederson R, Kotak S, **Anis AH**. Estimating the monetary value of the annual productivity gained in patients with early rheumatoid arthritis receiving etanercept plus methotrexate: interim results from the PRIZE study. *RMD Open.* 2015 1(1):e000042.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4613161/>
 101. **Zhang C**, **Li L**, Forster BB, Gilbard M, **Kopec JA**, **Ratzlaff C**, **Halai L**, **Cibere J**, **Esdale JM**, and the IMPAKT-HIP Team. Femoroacetabular impingement and osteoarthritis of the hip: what primary care providers need to know. *Can Fam Physician* 2015;61(12):1055-60.
 102. **Zhang W**, Sun H, Woodcock S, **Anis A**. Illness related wage and productivity losses: valuing 'presenteeism'. *Soc Sci Med.* 2015 Dec;147:62-71.

Appendix II

ABSTRACTS

1. **Amiri N**, Etminan M, Lipson R, Thompson D, **Rai SK**, **Avina-Zubieta JA**. Use of antibiotics and subsequent risk of systemic lupus erythematosus: a matched case-control study. *Clin Exp Rheumatol* 2015;33(3):S-7 Suppl.90.
2. **Amiri N**, Etminan M, Lipson R, Thompson D, **Rai S**, **Aviña-Zubieta JA**. Use of antibiotics and subsequent risk of systemic lupus erythematosus: a matched case-control study. *J Rheumatol* 2016;43(6):1155.
3. Arendse R, Rahman P, Choquett D, **Avina-Zubieta JA**, Zummer M, Baker MF, Stewart J, Fortin I, Teo M, Rampakakis E, Psaradellis E, Osborne B, Tkaczuk C, Maslova K, Nantel F, Lehman AJ. What is the location of Dactylitis in AS and PsA patients and how do they respond to Anti-TNF treatment? *J Rheumatol* 2016;43(6):1155-56.
4. Arendse R, Rahman P, Choquett D, **Aviña-Zubieta JA**, Zummer M, Baker MF, Stewart J, Fortin I, Teo M, Rampakakis E, Psaradellis E, Osborne B, Tkaczuk C, Maslova K, Nantel F, Lehman AJ. What is the location of Dactylitis in AS and PsA patients and how do they respond to Anti-TNF treatment? *Ann Rheum Dis* 2016;75(Suppl 2):591.
5. **Avina-Zubieta JA**, Chow A, Baer P, Kelsall J, Rahman P, Stewart J, Haraoui B, Zummer M, Rampakakis E, Psaradellis E, Nantel F, Maslova K, Tkaczyk C, Osborne B, Lehman A. Minimal disease activity among psoriatic arthritis patients in Canada: which unmet criteria are more prevalent among responders? *J Rheumatol* 2016;43(6):1174-75.
6. **Bansback N**, Harrison M, Han P, Dixon W. Influence on treatment decision making of providing numerical ranges of side-effect risks. *Arthritis Rheum Oct* 2015;67(suppl10):S2513-14.
7. **Barber CEH**, Jewett L, Ahluwalia V, Baillie C, Mosher D, Zummer M, Thorne C, Ellsworth J, Aaverns H, **Barnabe C**, Cividino A, Pope JE, Badley EM, Levy DM, Ruban T, Lundon K, McDougall R, Brophy J, **Lacaille D**, **Marshall D**, The Canadian Rheumatology Association (CRA) Human Resources Committee. Measuring the rheumatologist workforce in Canada: preliminary results of the Stand Up and be Counted Survey. *Arthritis Rheum Oct* 2015;67(suppl10):S1610-11.
8. **Barber C**, Jewett L, Ahluwalia V, Aaverns H, Baillie C, Badley E, Mosher D, Thorne C, Cividino A, Zummer M, **Barnabe C**, **Lacaille D**, Ellsworth J, Levy D, Ruban T, Brophy J, Pope J, McDougall R, Lundon K, Thomson J, Charnock C, Yacyshyn E, **Marshall D**. Measuring the rheumatologist workforce in Canada: Stand Up and Be Counted! *J Rheumatol* 2016;43(6):1204-05.

9. **Barber C, Esdaile J**, Martin L, Faris P, **Barnabe C**, Guo S, Lopatina E, **Marshall D**. Quality of cardiovascular care in rheumatoid arthritis: assessing the current state and identifying areas for improvement. *J Rheumatol* 2016;43(6):1204.
10. **Barber C**, Patel J, Woodhouse L, Smith C, Homik J, LeClercq S, Mosher D, Christiansen T, Squire Howden J, Wasylak T, Greenwood-Lee J, Emrick A, Suter E, Kathol B, Khodyakov D, Grant S, Campbell-Scherer D, Phillips L, Hendricks J, **Marshall D**. Key performance indicators for evaluation of centralized intake systems for osteoarthritis and rheumatoid arthritis healthcare teams in Alberta. *J Rheumatol* 2016;43(6):1205.
11. Barber MR, Hanly JG, O’Keeffe A, Su L, Urowitz MB, St. Pierre Y, Romero-Diaz J, Gordon C, Bae SC, Bernatsky S, Wallace DJ, Merrill JT, Isenberg DA, Rahman A, Ginzler EM, **Fortin P**, Gladman DD, Sanchez-Guerrero, Petri M, Bruce IN, Dooley MA, Ramsey-Goldman R, Aranow C, Alarcon GS, Chatham W, Steinsson K, Nived O, Sturfelt GK, Manzi S, Khamashta MA, van Vollenhoven RF, Zoma AA, Ramos-Casals M, Ruiz-Irastorza G, Stoll SL, Inanc M, Kalunian KC, Kamen DL, Maddison P, Peschken CA, Jacobsen S, Askanase A, Buyon J, Theriault C, Thompson K, Farewell V, **Clarke AE**. Economic evaluation of lupus nephritis in an international inception cohort: comparing the hospitalization, medication, dialysis, and procedure costs of those with and without nephritis. *Arthritis Rheum Oct* 2015;67(suppl10):S1293-96.
12. **Barnabe C**, Kaplan GG, **Aviña-Zubieta JA**, **Lacaille D**, Hemmelgarn B, **Esdaile JM**. Complications of inflammatory arthritis in First Nations and non-First Nations populations of Alberta, Canada. *Arthritis Rheum Oct* 2015;67(suppl10):S44-46.
13. **Barnabe C**, Sun Y, Barlett SJ, Boire G, Hitchon C, Keystone EC, Haraoui B, Thorne JC, Tin D, Pope JE, Bykerk V, CATCH Investigators. Early rheumatoid arthritis patients in the worse disease trajectory group fail to achieve improvement in physical function. *Arthritis Rheum Oct* 2015;67(suppl10):S703-05.
14. **Barnabe C**, Zheng Y, Ohinmaa A, Hemmelgarn B, Kaplan G, Martin L, Maksymowych WP. Comparison of health service utilization costs between Aboriginal and non-Aboriginal patients with rheumatoid arthritis requiring biologic therapy. *Arthritis Rheum Oct* 2015;67(suppl10):S1622-24.
15. **Barnabe C**, Zheng Y, Ohinmaa A, Hemmelgarn B, Kaplan G, Martin L, Maksymowych WP. Biologic therapy treatment complications in the Alberta Aboriginal population with rheumatoid arthritis. *Arthritis Rheum Oct* 2015;67(suppl10):S672-73.
16. **Barnabe C**, Zheng Y, Ohinmaa A, Hemmelgarn B, Kaplan G, Martin L, Maksymowych WP. Biologic therapy treatment complications in the Alberta aboriginal population with rheumatoid arthritis. *J Rheumatol* 2016;43(6):1152.

17. **Barnabe C**, Kaplan G, **Aviña-Zubieta JA**, **Lacaille D**, Hemmelgarn B, **Esdaile J**. Complications of inflammatory arthritis in First Nations and non-First Nations populations of Alberta, Canada. *J Rheumatol* 2016;43(6):1206-07.
18. **Barnabe C**, Zheng Y, Ohinmaa A, Hemmelgarn B, Kaplan G, Martin L, Maksymowych WP. Comparison of health service utilization costs between Aboriginal and Non-Aboriginal patients with rheumatoid arthritis requiring biologic therapy. *J Rheumatol* 2016;43(6):1207.
19. **Belvedere LM**, **Choi HK**, **Dehghan N**, **Sayre EC**, **Aviña-Zubieta JA**. Improved survival in giant cell arteritis: A population-based study. *Ann Rheum Dis* 2016;75(Suppl 2):164.
20. Bernatsky S, Spinelli JJ, Gaffney P, Smedby KE, Ramsey-Goldman R, Wang S, **Clarke AE**. Lupus-related SNP's and risk of diffuse large B-Cell Non-Hodgkin Lymphoma. *Arthritis Rheum Oct* 2015;67(suppl10):S1034-35.
21. **Chin C**, **Sayre EC**, Guermazi A, Nicolaou S, **Esdaile JM**, **Kopec J**, Thorne A, Singer J, Wong H, **Cibere J**. Quadriceps muscle weakness and the risk of knee cartilage loss on MRI in a population-based cohort with knee pain. *Arthritis Rheum.* 2015;67(10):S2903-2904.
22. Choi JW, Lu N, Zhang Y, **Rai SK**, Curhan G, **Choi HK**. Dietary patterns (DASH, Prudent, Western Diets) and the risk of gout in US women – The Nurses' Health Study. *Arthritis Rheum Oct* 2015;67(suppl10):S2502-03.
23. Choi M, **Clarke AE**, SLICC members. The prevalence of Anti-DFS70 antibodies in an international inception cohort of systemic lupus erythematosus patients. *Arthritis Rheum Oct* 2015;67(suppl10):S1003-05.
24. Choi M, Cooke L, **Clarke A**, Fritzler M, MacMullan P. The wolf in the water: Lupus vs. lymphoma. *J Rheumatol* 2016;43(6):1216.
25. **Cibere J**, Russell D, Qian H, Forster BB, Wong H, **Barber M**, **Guo Y**, **Kopec JA**, **Li L**, **Esdaile JM** and the IMPAKT_HiP study group. Significant association of radiographic femoroacetabular impingement with MRI features of hip disease: a population-based study. *Osteoarthritis Cartilage* 2016;24(Suppl 2):S22-S23.
26. Couture J, Ben-Soshan M, Pineau C, Scott S, **Clarke AE**, Bernatsky S, Vinet E. Increased risk of allergic conditions in children born to women with systemic lupus erythematosus. *Arthritis Rheum Oct* 2015;67(suppl10):S3067-68.
27. Davis AM, Palaganas MP, **Li LC**. Support for community-based programs for managing hip and knee osteoarthritis: results of a public survey. *Arthritis Rheum Oct* 2015;67(suppl10):S1528-29.

28. Davis AM, Palaganas MP, **Li LC**. Support for community-based programs for managing hip and knee osteoarthritis: results of a public survey. *Osteoarthritis Cartilage* 2016;24(Suppl 1):S236.
29. Demirci FY, Wang X, Kelly JA, Morris D, Barmada MM, Feingold E, Kao AH, Sivils KL, Bernatsky, S, Pineau C, **Clarke AE**, Ramsey-Goldman R, Vyse TJ, Gaffney PM, Manzi S, Kamboh MI. A new susceptibility locus for systemic lupus erythematosus on chromosome 12. *Arthritis Rheum Oct* 2015;67(suppl10):S155-56.
30. **De Vera MA, Sayre EC, Tsao N, Avina-Zubieta JA**. Perinatal patterns of medication use in women with rheumatoid arthritis: A population-based study. *Arthritis Rheum Oct* 2015;67(suppl10):S3058-59.
31. Edgar K, **Barnabe C**. A systematic review of rheumatoid arthritis characteristics and clinical outcomes in Indigenous populations of Canada, the United States, Australia and New Zealand. *J Rheumatol* 2016;43(6):1216.
32. Eldoma M, Durand C, **Hazlewood G**. Patient preferences in decision making for treatment of rheumatoid arthritis: a systematic review. *J Rheumatol* 2016;43(6):1216.
33. Essers I, Hiligsmann M, Kiltz U, **Bansback N**, Braun J, vander Heijde D, Boonen A. The view of healthy persons on the impact of spondyloarthritis on functioning and health: results of a best-worst scaling based on the ASAS Health Index. *Arthritis Rheum.* 2015;67(10):S1381-82.
34. Essers I, Hiligsmann M, Kiltz U, **Bansback N**, Braun J, vander Heijde D, Boonen A. Deriving 'population References' of health utilities for patients with spondyloarthritis based on the ASAS Health Index. *Arthritis Rheum.* 2015;67(10):S2812-13.
35. **Estrada A, De Vera M, Tsao N**, Galo J, **Shojania K, Esdaile J**. Assessing gout quality indicators in electronic medical records: a feasibility study. *J Rheumatol* 2016;43(6):1166-67.
36. **Feehan L**, McIvor J, **Yoo JY, Li LC**. A comprehensive method for using Sensewear Mini monitors to explore differences in ambulatory activities in people living with and without early rheumatoid arthritis: moving beyond measuring total steps. *Arthritis Rheum Oct* 2015;67(suppl10):S3887-88.
37. Forhan M, Torti J, **Jones CA**. Weight bias among healthcare providers: quality of life implications for patients with obesity bariatric. *Quality of Life Research* 2015(24):183.
38. Garner S, **Barnabe C**, Boire G, Hitchon C, Keystone EC, Haraoui B, Thorne JC, Tin D, Pope JE, Bykerk V, CATCH Investigators. No sex bias in the escalation of therapy

in the treatment of early inflammatory arthritis. *Arthritis Rheum* Oct 2015;67(suppl10):S657-58.

39. Garner S, **Barnabe C**, Boire G, Hitchon C, Keystone E, Haraoui B, Thorne C, Tin D, Jamal S, Pope J, Bykerk V. No sex bias in the escalation of therapy in the treatment of early inflammatory arthritis. *J Rheumatol* 2016;43(6):1218.
40. Garner S, **Barnabe C**, Boire G, Hitchon C, Keystone E, Haraoui B, Thorne C, Tin D, Pope J, Bykerk V. No escalation of therapy despite high disease activity in the CATCH Cohort. *J Rheumatol* 2016;43(6):1218-19.
41. Garner S, **Marshall D**, Lopatina E. Nurse-led care for patients with rheumatoid arthritis: a systematic review. *J Rheumatol* 2016;43(6):1218.
42. Goobie G, Urowitz M, Hanly J, Fritzler M, St. Pierre Y, Ramsey-Goldman R, **Clarke A**, Bernatsky S, Systemic Lupus International Collaborating Clinics Investigators (SLICC). Autoantibody profiles in patients from the Systemic Lupus International Collaborating Clinics (SLICC) cohort with and without malignancy. *J Rheumatol* 2016;43(6):1219-20.
43. **Guo J**, Zhang H, Qian H, Wilson D, Wong H, **Barber M**, Forster BB, **Esdaile J**, **Cibere J**, and the IMPAKT-HiP Team. The association of femoroacetabular impingement and delayed Gadolinium Enhanced MRI of Cartilage (dGEMRIC): a population-based study. *J Rheumatol* 2016;43(6):1221.
44. **Guo J**, Zhang H, Qian H, Wilson D, Wong H, **Barber M**, Forster BB, **Esdaile J**, **Cibere J**, and the IMPAKT-HiP Team. The association of femoroacetabular impingement and delayed gadolinium enhanced MRI of cartilage (DGEMRIC): a population-based study. *Osteoarthritis Cartilage*. 2016;24(Suppl 2):S54.
45. Hanly J, **Clarke AE**, SLICC members et al. The initial presentation of cerebrovascular disease attributed to lupus is most frequent early in the disease course: results from an international, inception cohort study. *Arthritis Rheum*. 2015;67(10):S3498-99.
46. Hanly JG, Su L, **Clarke AE**, SLICC members. A longitudinal analysis of change in lupus nephritis in an international inception cohort using a multistate Markov model approach. *Arthritis Rheum*. 2015;67(10):S3743-45.
47. Harrison M, **Marra C**, **Bansback N**. Describe treatments as 'new' or 'old' at your peril: influences on patient decision making. *Arthritis Rheum*. 2015;67(10):S2807-88.
48. Harrison M, **Marra CA**, **Bansback N**. Preferences for 'new' treatments diminish in the face of ambiguity. *Health Econ*.,2016 doi: 10.1002/hec.3353.

49. Haraoui B, Rahman P, Baer P, Kapur S, **Aviña-Zubieta JA**, Arendse R, Rampakakis E, Psaradellis E, Maslova K, Lehman A, Nantel F, Osborne B, Tkaczuk C. Minimal disease activity among psoriatic arthritis patients in Canada: evaluation of modified minimal disease activity upon elimination of each component. *J Rheumatol* 2016;43(6):1184.
50. **Harvard S**, Guh D, **Bansback N**, Dougados M, **Anis AH**, Fautrel B. Markers of non-compliance with ASAS/EULAR management recommendations among early spa patients: evidence over 3 years in the DESIR Cohort. *Arthritis Rheum.* 2015;67(10):S1628-29.
51. **Harvard S**, Guh D, **Bansback N**, Richette P, Dougados M, **Anis A**, Fautrel B. Costs of early spondyloarthritis: estimates from the first 3 years of the DESIR cohort. *RMD open.* 2016 Apr 1;2(1):e000230.
52. **Hatfield GL**, Cochrand CK, **Takacs J**, Krowchuk NM, Chang R, Hinman RS, **Hunt MA**. Comparison of frontal plane knee and ankle biomechanics of lateral wedge orthotics with and without a custom medial arch support in those with medial knee osteoarthritis and flat feet. *Osteoarthritis Cartilage.* 2016 24(Suppl 1):S96-97.
53. **Hazlewood GS**, **Barnabe C**, Tomlinson GA, **Marshall D**, Devoe D, Bombardier C. Methotrexate monotherapy and methotrexate combination therapy with traditional and biologic DMARDs for rheumatoid arthritis: a Cochrane systematic review and network meta-analysis. *Arthritis Rheum.* 2015;67(10):S1355-56.
54. **Hazlewood GS**, Bombardier C, Tomlinson GA, Thorne C, Bykerk V, Thompson A, Tin D, **Marshall DA**. Treatment preferences of patients with early rheumatoid arthritis: a discrete-choice experiment. *Arthritis Rheum.* 2015;67(10):S616-17.
55. **Hazlewood GS**, Bombardier C, Tomlinson GA, **Marshall DA**. Many patients with early rheumatoid arthritis want triple therapy: an analysis combining comparative effectiveness research and patients preferences to inform treatment recommendations. *Arthritis Rheum.* 2015;67(10):S1359-60.
56. **Hazlewood GS**, **Barnabe C**, Boire G, Hitchon C, Keystone EC, Haraoui B, Thorne JC, Tin D, Pope JE, Lin D, Bykerk V, CATCH Investigators. Enhancing comparative effectiveness research by combining observational and randomized trial data to personalize the choice between methotrexate and triple therapy for methotrexate-naïve patients with early rheumatoid arthritis. *Arthritis Rheum.* 2015;67(10):S1357-58.
57. Homik J, Larche M, Thorne C, Boire G, **Barnabe C**, Rahman P, Hitchon C, Hutchings E, Dadashova R, Paschke J, Maksymowych WP for BIODAM Investigators. Adherence to a treat-to-target strategy is key to attainment of sustained remission in rheumatoid arthritis: data from the real-world practice BIODAM Cohort. *J Rheumatol* 2016;43(6):1223-24.

58. **Huang S, Sayre EC, Cibere J.** Factors associated with physical therapy use in osteoarthritis of the knee: results from a population-based study. *Arthritis Rheum.* 2015;67(10):S2910-11.
59. Hurd K, **Barnabe C.** Is rheumatic disease really more severe in Indigenous populations? A systematic review of clinical outcomes in Indigenous populations of Canada, the United States, Australia and New Zealand. *Arthritis Rheum Oct* 2015;67(suppl10):S2737-38.
60. Isenberg DA, Sturgess J, **Clarke AE**, SLICC members. A paper patient-based flare study in systemic lupus erythematosus. *Arthritis Rheum Oct* 2015;67(10):S999-1001.
61. **Jones CA**, Jhangri GS, Beaupre LA, Suarez-Almazor ME. The importance of comorbidity in understanding the 6 month trajectories of pain and function after total hip arthroplasty. *Arthritis Rheum* 2015;76(10):S1783-84.
62. **Jones CA**, Barbos A, Landon G, Siff S, Suarez-Almazor ME. Total knee replacement provides joint pain and function improvement but are patients overall happy? *Quality of Life Research* 2015;(24)62.
63. Jutkowitz E, Dubreuil M, Lu N, Kuntz KM, **Choi H.** The cost-effectiveness of HLA-B*5801 genetic screening to guide initial urate-lowering therapy for gout. *Ann Rheum Dis* 2016;75(Suppl 2):879.
64. Kelsall J, Choquette D, Rahman P, Arendse R, Teo M, Fortin I, **Avina-Zuibieta JA**, Rampakakis E Psaradellis E, Maslova K, Osborne B, Tkaczuk C, Nantel F, Lehman AJ. What is the location of enthesitis in AS and PsA and how do they respond to Anti-TNF treatment? *J Rheumatol* 2016;43(6):1174.
65. Kelsall J, Choquette D, Rahman P, Arendse R, Teo M, Fortin I, **Aviña-Zuibieta JA**, Rampakakis E Psaradellis E, Maslova K, Osborne B, Tkaczuk C, Nantel F, Lehman AJ. What is the location of enthesitis in AS and PsA and how do they respond to Anti-TNF treatment? *Ann Rheum Dis* 2016;75(Suppl 2):587.
66. Kim H, **Clarke A**, Pineau C, Zummer M, Smith D, Hitchon C, Tucker L, Petty R, **Aviña-Zubieta JA**, Silverman E, Huber A, Arbillaga H, Chédeville G, Bernatsky S, Hudson M, Peschken C, Levy D, NA CaNIOS 1000 Faces Investigators, Pope J. Clinical manifestations and disease activity comparison between childhood-onset and adult-onset systemic lupus erythematosus - The 1000 Canadian Faces of Lupus Cohort. *J Rheumatol* 2016;43(6):1226.
67. **Kopec JA, Sayre EC, Cibere J, Li LC, Bansback N**, Wong H, **Rahman MM, Esdaile JM.** Trends in osteoarthritis incidence in British Columbia Canada, 2001-2012. *Ann Rheum Dis* 2016;75(Suppl 2):824.

68. **Lacaille D, Sayre EC**, Abrahamowicz M. Improvement in mortality in rheumatoid arthritis compared to the general population – closing the mortality gap. *Arthritis Rheum* Oct 2015;67(suppl10):S2371-73.
69. **Lacaille D, Carruthers E, van As B, Goldsmith CH**, Horlock H, **Li LC, Townsend A**, Mitchell B, Adam P. Proof of concept study of the Arthritis Health Journal: an online tool to promote self-monitoring in people with rheumatoid arthritis. *Arthritis Rheum* Oct 2015;67(10):S2814-2815.
70. **Lacaille D, Sayre EC**, Abrahamowicz M. Improvement in mortality in rheumatoid arthritis compared to the general population – closing the mortality gap. *J Rheumatol* 2016;43(6):1227-28.
71. **Lacaille D, Carruthers E, van As B, Goldsmith C**, Horlock H, **Li L, Townsend A**, Mitchell B, Adam P. Proof of concept study of the Arthritis Health Journal: an online tool to promote self-monitoring in people with rheumatoid arthritis (RA). *J Rheumatol* 2016;43(6):1228.
72. **Leese J, Tran BC, Backman CL, Townsend A**, Davis AM, **Jones CA**, Gromala D, **Avina-Zubieta JA, Li LC**. A qualitative study of barriers and facilitators to arthritis patients use of physical activity monitoring tools. *Arthritis Rheum* Oct 2015;67(10):S2879-2880.
73. **Leese J, Tran B, Backman CL, Townsend A**, Davis AM, **Jones CA**, Gromala D, **Aviña-Zubieta JA, Li LC**. A qualitative study of barriers and facilitators to arthritis patients' use of wearable physical activity monitoring tools. *J Rheumatol* 2016;43(6):1176-77.
74. **Leese J, Townsend A**, Adam P, McDonald M, **Kerr S, Whitehead G, Macdonald GG, Li LC**. Use of social media by arthritis patients with multi-morbidity: implications for self-management. *J Rheumatol* 2016;43(6):1177.
75. Leggett S, **Lacaille D**, Mihai C, Bojinca M, **van As B**, Verstappen S, on behalf of the EULAR-PRO worker productivity co-investigators. Construct and convergent validity of four global measures of at-work productivity loss in patients with rheumatic diseases. *Arthritis Rheum* Oct 2015;67(suppl10):S2730-31.
76. Leggett SA, **Lacaille D**, Mihai C, Bojinca M, Hagel S, Petersson IF, Crepaldi G, Sakellariou G, **van As B**, Verstappen SMM. Construct and convergent validity of four global measures of at-work productivity loss in patients with rheumatic diseases. *Rheumatology (Oxford)* 2016;55(suppl1):i74.
77. **Li L, Belvedere LM, Sayre EC, Aviña-Zubieta JA**. Improved survival in dermatomyositis and polymyositis: A general population-based study. *Ann Rheum Dis* 2016;75(Suppl 2):67.

78. Lim SY, Lu N, Fisher MC, Oza A, **Rai SK**, Menendez ME, **Choi HK**. Hospitalization trends of gout and rheumatoid arthritis in the United States: a crossroad. *Arthritis Rheum Oct 2015;67(suppl10):S2433-45*.
79. Liu YL, Kaplan G, Eksteen B, **Barnabe C**. Impact of obesity on the disease course of rheumatoid arthritis. *Arthritis Rheum Oct 2015;67(suppl10):S59-60*.
80. Liu Y, Kaplan G, **Hazlewood G**, Eksteen B, **Barnabe C**. The impact of obesity on remission and disease outcomes in rheumatoid arthritis: a systematic review and meta-analysis. *J Rheumatol 2016;43(6):1231*.
81. **Loyola Sanchez A**, Edgar K, **Barnabe C**. A systematic review to characterize healthcare utilization for Indigenous people living with arthritis in Canada, New Zealand, Australia and the United States. *J Rheumatol 2016;43(6):1179*.
82. Lu N, **Rai SK**, **Choi HK**. Racial disparities in the risk of hospitalized severe allopurinol hypersensitivity syndrome - A US nationwide study (2009-2011). *Arthritis Rheum Oct 2015;67(suppl10):S2520-21*.
83. Lu N, **Rai SK**, Turkeltaub R, Kim S, Menendez M, **Choi H**, Racial disparities in the risk of Stevens-Johnson syndrome and toxic epidermal necrolysis as urate-lowering drug adverse events in the U.S. *Ann Rheum Dis 2016;75(Suppl 2):370*
84. Lu N, Zhang Y, **Rai SK**, **Choi HK**. Improved survival in rheumatoid arthritis: a general population-based study. *Arthritis Rheum Oct 2015;67(suppl10):S3885-86*.
85. Lu N, Zhang Y, **Rai SK**, Curhan G, **Choi HK**. Effects of dietary approaches to stop hypertension (DASH) diet on serum uric acid levels – a randomized controlled trial. *Arthritis Rheum Oct 2015;67(suppl10):S2840-41*.
86. Lu N, Lim SY, Oza A, Fisher M, **Rai SK**, Menendez ME, **Choi HK**. Hospitalization trends of gout and rheumatoid arthritis in the United States: A tale of two arthritides. *Ann Rheum Dis 2016;75(Suppl 2):1184*.
87. **Macdonald GG**, Leese J, **Backman CL**, **Townsend A**, Davis AM, **Jones CA**, Gromala D, **Avina-Zubieta JA**, **Li LC**. Integrating wearable physical activity monitoring tools into rehabilitation practice for patients with arthritis: the healthcare professional perspective. *Arthritis Rheum Oct 2015;67(suppl10):S2883-2884*.
88. Maksymowych WP, Larche M, Thorne C, Boire G, Homik J, **Barnabe C**, Rahman P, Hitchon C, Hutchings E, Dadashova R, Paschke J, Ramiro S. Is treat-to-target really working? A longitudinal analysis in BIODAM. *J Rheumatol 2016;43(6):1181*.
89. **McCormick N**, **Marra CA**, **Avina-Zubieta JA**. Longitudinal, incremental direct medical costs of systemic lupus erythematosus for the first five years after diagnosis:

- a general population-based cohort study. Clin Exp Rheumatol. 2015;33(3):S-63 Suppl.90.
90. **McCormick N, Marra CA, Avina-Zubieta JA.** Longitudinal, incremental direct medical costs of lupus nephritis amongst a general population-based cohort of systemic lupus erythematosus. Clin Exp Rheumatol 2015;33(3):S-62 Suppl.90.
 91. **McCormick N, Marra CA, Aviña-Zubieta JA.** Low socioeconomic status as a predictor of long-term direct medical costs following diagnosis of granulomatous with polyangiitis: a general population-based cohort study. Arthritis Rheum Oct 2015;67(suppl10):S1612-13.
 92. **McCormick N, Marra CA, Aviña-Zubieta JA.** Longitudinal, incremental direct medical costs of giant cell arteritis for the first five years following diagnosis: a general population-based cohort study. Arthritis Rheum Oct 2015;67(suppl10):S163-64.
 93. **McCormick N, Marra CA, Aviña-Zubieta JA.** Longitudinal, incremental direct medical costs of lupus nephritis amongst a general population-based cohort of systemic lupus erythematosus. J Rheumatol 2016;43(6):1234.
 94. **McCormick N, Marra CA, Aviña-Zubieta JA.** Longitudinal, incremental direct medical costs of systemic lupus erythematosus for the first five years after diagnosis: a general population-based cohort study. J Rheumatol 2016;43(6):1235.
 95. **McCormick N, Reimer K, Marra CA, Sidi S, Percival-Smith S, Aviña-Zubieta JA.** Feasibility of an approach to contact individuals from administrative health data to estimate the economic burden of systemic autoimmune rheumatic diseases at the general population level. J Rheumatol 2016;43(6):1234-34.
 96. **McGuire K, Aviña-Zubieta JA, Sayre EC, Abrahamowicz M, Esdaile JM, Lacaille D.** Risk of chronic obstructive pulmonary disease (COPD) in rheumatoid arthritis: a population based cohort study. Arthritis Rheum Oct 2015;67(suppl10):S46-48.
 97. **McGuire K, Aviña-Zubieta JA, Sayre EC, Abrahamowicz M, Esdaile J, Lacaille D.** Risk of chronic obstructive pulmonary disease (COPD) in rheumatoid arthritis (RA): A population based study. J Rheumatol 2016;43(6):1181.
 98. **Mehat P, Rai SK, Townsend A, Avina-Zubieta J, De Vera M.** "Honestly I'm very scared of the side effects so I don't, I won't take it ": A qualitative study of adherence to DMARDs in inflammatory arthritis patients". J Rheumatol 2016;43(6):1235-36.
 99. **Mehat P, Atiquzzaman M, De Vera M.** Medication adherence in systemic lupus erythematosus: a systematic review. J Rheumatol 2016;43(6):1236.

100. **Memetovic J, Leese J, Bansback N**, Adam PM, **Lacaille D**, Yacyshyn E, **Jones CA, Townsend A**, Shaw C, Lineker S, **Hoens A, Li LC**. Development and usability testing of ANSWER-2: a web-based decision aid for patients with rheumatoid arthritis considering biologic therapy. *J Rheumatol* 2016;43(6):1182.
101. **Memetovic J**, Robinson T, **Macdonald G, Leese J, Koehn C, Li LC**. Examining perceived risk factors of arthritis: findings from a public opinion survey. *J Rheumatol* 2016;43(6):1182-83.
102. Moura CS, Bernatsky S, St. Pierre Y, Scott S, Pineau C, **Clarke AE**, Vinet E. Increased direct health care costs in systemic lupus erythematosus pregnancies. *Arthritis Rheum* Oct 2015;67(suppl10):S3068-70.
103. Nagaraj S, Finzel S, Stok K, **Barnabe C**. High-Resolution peripheral Quantitative Computed Tomography (HR-pQCT) imaging in the assessment of periarticular bone of metacarpophalangeal and wrist joints. *J Rheumatol* 2016;43(6):1242-43.
104. Niaki OZ, **Clarke AE**, Ramsey-Goldman R, Yeung R, Hayward K, Oen K, Duffy C, Rosenberg, A, O'Neil K, von Scheven E, Schanberg L, Labrecque J, Lee JLF, Bernatsky S. Malignancy incidence in 5,294 clinically confirmed juvenile idiopathic arthritis (JIA) patients from 1971-2011. *RMD Open*. 2016 May; 2(1): e000212. doi: 10.1136/rmdopen-2015-000212.
105. Nguyen M, Silverman, E, Pope J, **Fortin PR**, Pineau C, Smith CD, Chedeville G, Huber A, Arbillaaga H, Zimmer M, **Clarke AE**, Bernatsky S, Tucker L, Hudson M, CaNIOS Investigators and Peschken C. Comparison of systemic lupus erythematosus in 3 different Asian ethnic groups: results from the 1000 faces of lupus cohort. *Arthritis Rheum* Oct 2015;67(suppl10):S1014-15.
106. Niaki OZ, **Clarke AE**, von Scheven E, Hayward K, Yeung R, Oen K, Duffy C, Rosenberg A, O'Neil K, Labrecque J, Bernatsky S. Cancer risk in 5,108 patients with juvenile idiopathic arthritis. *Arthritis Rheum* Oct 2015;67(suppl10):S1248-49.
107. Peschken CA, Wynant W, Abrahamowicz M, Pope J, Silverman E, Sayani A, Iczkovitz S, Ross J, Zimmer M, Tucker L, Pineau C, Levy D, Hudson M, Hitchon CA, Huber A, Smith CD, **Aviña-Zubieta JA**, Arbillaaga H, Chédeville G, CaNIOS 1000 Faces Investigators, Fortin PR. Persistent disease activity over time in a large Canadian cohort of prevalent lupus patients: results from the 1000 faces of lupus cohort. *Arthritis Rheum* Oct 2015;67(suppl10):S3529-31.
108. Rahman P, **Avina-Zubieta JA**, Arendse R, Bensen WJ, Baer P, Kelsall J, Starr M, Stewart J, Sholter D, Zimmer M, Picard L, Rampakakis E, Elifotisti P, Maslova K, Lehman A, Nantel F, Tkaczyk C, Osborne B. What proportion of patients with PsA fail to achieve MDA based on patient reported outcomes? An analysis from a prospective, observational registry. *J Rheumatol* 2016;43(6):1190-91.

109. Rahman P, **Aviña-Zubieta JA**, Arendse R, Bensen WJ, Baer P, Kelsall J, Starr M, Stewart J, Sholter D, Zummer M, Picard L, Rampakakis E, Eliofotisti P, Maslova K, Lehman A, Nantel F, Tkaczyk C, Osborne B. What proportion of patients with PsA fail to achieve MDA based on patient reported outcomes? An analysis from a prospective, observational registry. *Ann Rheum Dis* 2016;75(Suppl 2):610.
110. **Rai SK, Sayre EC, Esdaile JM, Avina-Zubieta JA**. The risk of mortality in Systemic Lupus Erythematosus: a general population –based cohort study. *Clin Exp Rheumatol*. 2015;33(3):S-59 Suppl.90.
111. **Rai SK, McCormick N**, Nguyen US, Zhang Y, Sparks JA, Karlson EW, **Choi HK**. What is the impact of smoking on the risk of rheumatoid arthritis progression: a systematic review of the risk factor paradox. *Arthritis Rheum Oct* 2015;67(suppl10):S1936-37.
112. **Rai SK, Aviña-Zubieta JA, McCormick N, De Vera MA, Shojanian K, Sayre EC, Choi HK**. Rising incidence and prevalence of gout in the Canadian general population. *Arthritis Rheum Oct* 2015;67(suppl10):S292-94.
113. **Rai SK, Mehat P, Townsend A, Marra CA**, Shuckett R, **De Vera M**. Inflammatory arthritis patient perspectives on strategies to support medication adherence: a qualitative study using a novel group exercise. *Arthritis Rheum Oct* 2015;67(suppl10):S2795-96.
114. **Rai SK, Aviña-Zubieta JA, McCormick N, De Vera MA, Shojanian K**, Hughes GA, **Sayre EC, Choi HK**. The rising prevalence and incidence of gout in British Columbia, Canada. *J Rheumatol* 2016;43(6):1234.
115. Ramiro S, Landewe RBM, van der Heijde D, FitzGerald O, Ostergaard M, Homik J, Elkayam O, Thorne JC, Larche M, Ferraccioli G, Backhaus M, Boire G, Combe B, Schaeffer T, **Barnabe C**, et al. Is Treat-to-Target really working? A longitudinal analysis in Biodam. *Arthritis Rheum Oct* 2015;67(suppl10):S3819-21.
116. **Sayre EC, Kopec JA**. User-friendly software to advance microsimulation: SimYouLate. 5th World Congress of the International Microsimulation Association (IMA), Esch-sur-Alzette, Grand-Duchy of Luxembourg, September 2-4, 2015.
117. **Seah XC, Rogers P, Backman C, Goldsmith C**, Gignac M, Li L, **Esdaile J**. Process evaluation of “Employment & Arthritis: Making it Work”, an online program to help people with inflammatory arthritis maintain employment. *J Rheumatol* 2016;43(6):1188-89.
118. **Schmidt TJ, Avina-Zubieta JA, Sayre EC**, Abrahamowicz M, **Esdaile JM, Lacaille D**. Risk of diabetes mellitus in rheumatoid arthritis: a population based cohort study. *J Rheumatol* 2016;43(6):1151.

119. Sheriff M, Zummer M, **Avina-Zubieta JA**, Rahman P, Olszunski W, Starr M, Baer P, Rampakakis E, Psaradellis E, Tkaczyk C, Osborne B, Maslova K, Nantel F, Lehman AJ. Is skin disease more important to women or men in the assessment of disease activity in psoriatic arthritis. *J Rheumatol* 2016;43(6):1177-78.
120. Simon TA, Kawabata H, **Esdaile JM**, Moorthy V, Suissa S. Incidence of co-morbid autoimmune diseases in patients with rheumatoid arthritis. *Arthritis Rheum Oct* 2015;67(suppl10):S1901-02.
121. Stok KS, Burghardt AJ, Boutroy S, Vilayphiou N, Li X, Marotte H, Boyd SK, **Barnabe C**. Reaching consensus – volumetric joint space width calculations in finger joints of arthritis patients. *Arthritis Rheum Oct* 2015;67(suppl10):S1678-79.
122. Sun G, **Hazlewood G**, Bernatsky S, Kaplan G, Eksteen B, **Barnabe C**. Air pollution and the rheumatic diseases: a systematic review and meta-analysis. *Arthritis Rheum Oct* 2015;67(suppl10):S1551-52.
123. Sun G, **Hazlewood G**, Bernatsky S, Kaplan G, Eksteen B, **Barnabe C**. Air pollution and the rheumatic diseases: a systematic review and meta-analysis. *J Rheumatol* 2016;43(6):1192-93.
124. **Takacs J**, Krowchuk NM, Goldsmith CH, **Hunt MA**. Factor analysis of the Community Balance and Mobility Scale in individuals with knee osteoarthritis. *Osteoarthritis Cartilage*. 2016 24(Suppl 1):S106.
125. **Tan JA**, **Choi HK**, **Rai SK**, **Sayre EC**, **Aviña-Zubieta JA**. Improved survival in granulomatosis with polyangiitis: a population-based study. *Arthritis Rheum Oct* 2015;67(suppl10):S1158-59.
126. Tatangelo M, Paterson M, Tomlinson GA, **Bansback N**, Widdifield J, Gomes T, Bombardier C. Temporal trends in drug prescription, utilization and costs among rheumatoid arthritis (RA) patients show wide regional variation despite universal drug coverage. *Arthritis Rheum Oct* 2015;67(suppl10):S2511-13.
127. Tessier-Cloutier B, Farinha P, Baecklund E, Lee J LF, Ramsey-Goldman R, **Clarke AE**, Bernatsky S, Gascoyne RD, SLICC Investigators. Cell of origin of diffuse large B-cell lymphoma (DLBCL) in patients with systemic lupus erythematosus. *Arthritis Rheum Oct* 2015;67(suppl10):S975-76.
128. **Tsao NW**, Lynd LD, **Marra CA**, **De Vera MA**. Patterns of biologics use among women with autoimmune disease before, during, and after pregnancy: a population-based study. *J Rheumatol* 2016;43(6):1195.
129. Urowitz M, Gladman D, **Clarke AE**, SLICC members. Atherosclerotic vascular events in a multinational systemic lupus erythematosus inception cohort: description

and predictive risk factors over a 15 year period. *Arthritis Rheum* Oct 2015;67(suppl10):S3538-40.

130. Urowitz M, Gladman D, **Clarke AE**, SLICC members. Evolution of disease burden over seven years in a multicenter systemic lupus erythematosus inception cohort. *Arthritis Rheum* Oct 2015;67(suppl10):S1158-59.
131. Urowitz M, Gladman DD, Anderson N, Ibanez D, Anderson N, Romero-Diaz J, Bae SC, **Fortin PR**, Sanchez-Guerrero J, **Clarke AE**, Bernatsky S, Gordon C, Hanly JG, Wallace DJ, Isenberg D, Rahman A, Merrill J, Ginzler E, Alarcon G, Fessler B, Petri M, Bruce IN, Khamashta M, Aranow C, Dooley M, Manzi S, Ramsey-Goldman R, Sturfelt G, Nived O, Steinsson K, Zoma A, Ruiz-Irastorza G, Lim S, Kalunian K, Inanc M, van Vollenhoven R, Ramos M, Kamen D, Jacobsen S, Peschken C, Askanase A, Stoll T. Cardiovascular events prior to or early after diagnosis of systemic lupus erythematosus in the SLICC Cohort. *Lupus Sci Med*. 2016 Apr 12;3(1):e000143. doi: 10.1136/lupus-2015-000143.
132. **Vostretsova K, Rai SK, Sayre EC, Choi HK, Esdaile JM, Aviña-Zubieta JA.** Improved survival in systemic lupus erythematosus: a population-based study. *Arthritis Rheum* Oct 2015;67(suppl10):S1287-90.
133. Wallace Z, Lu L, Miloslavsky E, Unizony S, Stone J, **Choi H.** Nationwide trends in hospitalization and in-hospital mortality associated with anca-associated vasculitis (AAV). *Ann Rheum Dis* 2016;75(Suppl 2):788.
134. Wallace Z, Miloslavsky, Unizony S, Lu L, Specks U, Hoffman G, Kallenberg C, Langford C, Merkel P, Monach P, Seo P, Spiera R, St. Clair B, **Choi H**, Stone J. Weight gain in anca-associated vasculitis is independent of glucocorticoid dosing. *Ann Rheum Dis* 2016;75(Suppl 2):800.
135. Wallace Z, Specks U, Hoffman G, Kallenberg C, Langford C, Merkel P, Monach P, Seo P, Spiera R, St. Clair B, **Choi H**, Stone J. Antineutrophil cytoplasmic antibody (ANCA) type and body mass index in anca-associated vasculitis. *Ann Rheum Dis* 2016;75(Suppl 2):800.
136. **Westby MD, Li LC, Marshall D**, Squire-Howden J, Johnston DWC, **Jones CA.** Development of quality indicators for hip and knee arthroplasty rehabilitation. *Abstract Supplement Quality of Life Research* 2015(24):105-06.
137. **Westby MD, Marshall DA**, Squire-Howden J, **Jones CA.** Development of quality indicators for hip and knee arthroplasty rehabilitation. *Arthritis Rheum* Oct 2015;67(suppl10):S1304-05.
138. Yazdany J, Myslinski R, Francisco M, **Bansback N**, Clowse MEB, Collier D, Law K, Liao K, Michaud K, Morgan-De Witt E, Oates J, Orozco C, Reimold A, Simard JF, Kazi S. A national electronic health record-enabled registry in rheumatology: the

ACR's Rheumatology Informatics System for Effectiveness (RISE). *Arthritis Rheum* Oct 2015;67(suppl10):S2370-71.

139. **Zhang W**, Sun H, Guh D, Sun H, **Anis AH**. The impact of price-cap regulations on market entry by generic firms in Canada. 11th World Congress on Health Economics: "De Gustibus Disputandum Non Est!" Health Economics and Nutrition; 2015 July 12-15; Milan, Italy.
140. Zimmer M, Rahman P, Arendse R, Starr M, Kelsall J, **Avina-Zubieta JA**, Baer P, Sholter D, Teo M, Rampakakis E, Psaradellis E, Osborne B, Maslova K, Nantel F, Lehman A, Tkaczyk C. Predictors of early minimal disease activity in PsA patients treated with anti-TNF in a real-world-registry. *J Rheumatol* 2016;43(6):1197-98.
141. Zimmer M, Rahman P, Arendse R, Starr M, Kelsall J, **Aviña-Zubieta JA**, Baer P, Sholter D, Teo M, Rampakakis E, Psaradellis E, Osborne B, Maslova K, Nantel F, Lehman A, Tkaczyk C. Predictors of early minimal disease activity in PsA patients treated with anti-TNF in a real-world-registry. *Ann Rheum Dis* 2016;75(Suppl 2):606.