# Curriculum Vitae

# Nicholas Joseph Grubic

MSc, BSc(Hons), Cert. Business

#### PERSONAL INFORMATION

Email:

Phone: Address:

Language:

#### PERSONAL SOCIAL MEDIA

LinkedIn: <a href="https://www.linkedin.com/in/nicholasgrubic/">https://www.linkedin.com/in/nicholasgrubic/</a>
Website: <a href="https://nicholasjgrubic.wixsite.com/ngrubic">https://nicholasjgrubic.wixsite.com/ngrubic</a>

Profiles: https://www.dlsph.utoronto.ca/program/phd-epidemiology/

https://geisee-dlsph-utoronto.ca/about-us/phd-students/

#### **ACADEMIC SOCIAL MEDIA**

ResearchGate: https://www.researchgate.net/profile/Nicholas Grubic

Google Scholar: https://scholar.google.com/citations?user=0DPFVOgAAAAJ&hl=en&oi=ao

**PubMed:** <a href="https://pubmed.ncbi.nlm.nih.gov/?term=Grubic+Nicholas">https://pubmed.ncbi.nlm.nih.gov/?term=Grubic+Nicholas</a>

Web of Science: http://www.webofscience.com/wos/author/record/AFR-0264-2022

Twitter: @nickgrubic

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#### **PROFILE**

Nicholas Grubic is a Vanier Scholar and University of Toronto Alumni Association (UTAA) Scholar pursuing a PhD in Epidemiology at the Dalla Lana School of Public Health, University of Toronto. He completed his Bachelor of Science (Honours) and Certificate in Business at Queen's University in 2019. He also completed his Master of Science in Epidemiology at Queen's University in 2021, specializing in cardiovascular epidemiology, out-of-hospital cardiac arrest, the social determinants of health, and cardiovascular athletic health. Nicholas has been a Principal Investigator and Co-Investigator on various research grants funded by the Canadian Institutes of Health Information, Southeastern Ontario Academic Medical Organization, Canadian Cardiovascular Society, and AMS Healthcare. Nicholas has published over 40 peer-reviewed articles in reputable academic journals, including the British Medical Journal. Canadian Journal of Cardiology, British Journal of Sports Medicine, Current Cardiology Reports, Current Problems in Cardiology, American Journal of Emergency Medicine, Prehospital Emergency Care, and other leading medical journals. He has presented at numerous national and international meetings, including the Canadian Cardiovascular Congress, Society for Epidemiologic Research Meeting, and European Society of Cardiology Congress, among many others. Nicholas is an active trainee member with the Canadian Cardiovascular Society, serving as a Reviewer for the Canadian Journal of Cardiology, Trainee Program Planning Committee Track Lead for the annual Canadian Cardiovascular Congress, and Journals Representative for the Canadian Cardiovascular Society Trainee Committee. Apart from his academic work, Nicholas is committed to exercising his social responsibility and engaging in extracurricular activities. He was a prior varsity athlete at Queen's University (rowing and triathlon) and competed for Team Ontario at the 2017 Canada Summer Games. He has held executive positions on various groups/committees, including the Queen's Science Undergraduate Research Journal and Science 2 Business Network. He has also volunteered with non-profit organizations, including the Heart & Stroke Foundation of Canada, Ottawa Rowing Club, Ausome, and Kingston Gets Active, and at community events, including Motionball Marathon of Sport and Science Rendezvous.

#### **RESEARCH INTERESTS**

**Research Specialization Keywords:** Epidemiology, Cardiology, Cardiovascular, Sports Medicine, Sudden Cardiac Death, Screening, Social Determinants of Health, Mental Health, Child Health, Biostatistics, Athletes, Health Services Research, Health Administrative Data

Research Disciplines: Epidemiology and Biostatistics, Cardiology, Emergency Medicine

Disciplines Trained In: Epidemiology, Biology and Related Sciences

Areas of Research: Epidemiology, Community Health/Public Health, Cardiovascular Diseases

Fields of Application: Public Health, Clinical

## **ACADEMIC IMPACT STATISTICS**

**Total citations:** 994 (June 2025) | **H-index:** 11 (June 2025) | **i10-index:** 12 (June 2025)

#### **EDUCATION**

# 2023-Present Toronto, ON

Doctor of Philosophy in Epidemiology

Dalla Lana School of Public Health, University of Toronto

- Research Methods I (A+)
- Research Methods II (A+)
- Quantitative Methods for Biomedical Research (A+)
- Advanced Quantitative Methods in Epidemiology (A+)
- Advanced Analytic Methods for Bias in Epidemiologic Studies (A+)
- Epidemiological Methods for Causal Mediation Analysis (A+)
- Professional Skills for Doctoral Student in Public Health (Credit)
- <u>Comprehensive Exam:</u> Completed June 2024, Honours Pass (>90%)
- Proposal Defense: Completed May 2025, Passed with No Revisions
- <u>PhD Thesis Topic:</u> Socioeconomic Inequalities in Cardiovascular Health Among Children and Adolescents: Evaluating Temporal Trends and Exploring Intervention Targets
- Supervisor: Maximova K
- Committee Members: Siddiqi A, Carsley S

# 2019-2021 Kingston, ON

Master of Science in Epidemiology

Department of Public Health Sciences, Queen's University

- EPID 801: Introduction to Epidemiology (A+)
- EPID 821: Introductory Biostatistics (A+)
- EPID 804: Intermediate Epidemiology (A+)
- EPID 822: Applied Regression Analysis (A+)
- EPID 837: Health Services Research (A+)
- EPID 831: Chronic Disease Epidemiology (A+)
- MSc Thesis Topic: Out-of-Hospital Cardiac Arrest Characteristics, Care Processes and Outcomes Across the Urban-Rural Spectrum: A Retrospective Cohort Study from 2013-2019 in the United States (http://hdl.handle.net/1974/29037).
- Supervisors: Brooks SC, Peng YP, Walker M

2016-2019 Kingston, ON Certificate in Business

Smith School of Business, Queen's University

2015-2019 Kingston, ON Honours Bachelor of Science in Life Sciences

Department of Biomedical and Molecular Sciences. Queen's University

- BMED 271: Global and Population Health (A+)
- EPID 301: Principles of Epidemiology (A)
- EPID 401: Biostatistical Data Analysis for Life Sciences Students (A+)
- <u>BScH Thesis Topic:</u> Stress Echocardiography for Pulmonary Hemodynamic Assessment (<a href="https://youtu.be/-BLVIhBceVM">https://youtu.be/-BLVIhBceVM</a>).
- Supervisor: Johri AM

#### **COURSES & TRAINING**

Sept 2025 Fundamentals of Social Epidemiology Research: An Overview of Current

Theories and Methods

Edwin S.H. Leong Centre for Health Children, University of Toronto

## **ACADEMIC SOCIETY AFFILIATIONS**

2024-Present Student Member

Society for Epidemiologic Research (SER)

2022-Present Associate Member

Canadian Cardiovascular Research Collaboratory (C<sup>3</sup>)

2022-Present Trainee Member

Cardiovascular Network of Canada (CANet)

2019-Present Member-in-Training

Canadian Cardiovascular Society (CCS)

- Member-in-Training (2023-Present)
- Canadian Journal of Cardiology Editorial Board Member (2024-Present)
- Canadian Journal of Cardiology Open Editorial Board Member (2024-Present)
- Trainee Committee Program Evaluation Representative (2025-2027)
- Canadian Cardiovascular Society Journal Advisory Group (2025-2026)
- Trainee Committee Journals Representative (2023-2025)
- CCC 2026 Strategic Redesign Committee Trainee Representative (2025)
- Student Member (2019-2023)
- Trainee Program Planning Committee Track Lead (2022)
- Trainee Program Planning Committee Member (2020, 2021)
- Canadian Journal of Cardiology Trainee Reviewer Board Member (2021, 2022)
- Have a Heart Bursary Recipient (2019)

2019-Present Co-Founder

Community & Athletic Cardiovascular Health Network

#### PROFESSIONAL EXPERIENCE

2022-Present Toronto, ON

Research Associate

Dalla Lana School of Public Health, University of Toronto

 Provide methodological and analytical support to various epidemiological studies.

- Consultant epidemiologist and methodologist in the Ge-iSEE lab under the supervision of Dr. Erjia Ge. (https://geisee-dlsph-utoronto.ca/about-us/phd-students/).
- Consultant epidemiologist and methodologist under the supervision of Dr. Katerina Maximova.

# 2018-Present Kingston, ON

## Research Associate

Cardiovascular Imaging Network at Queen's, Queen's University

- Responsible for research coordination of the athletic cardiovascular research program, including project development, ethics approval, data collection, analysis, manuscript/grant preparation, and knowledge dissemination.
- Collaborate on other projects surrounding cardiovascular epidemiology and medical imaging, with emphasis on data analysis, grant preparation, and manuscript preparation.
- Supervise/mentor a team of undergraduate students and volunteers.
- Lead and coordinate a national working group focused on the cardiovascular health of athletes and active individuals (<u>Community &</u> Athletic Cardiovascular Health Network).

## 2023 Ottawa, ON

## Research Analyst (6-month contract)

Broadstreet Health Economics and Outcomes Research

 Collaborate on systematic reviews and epidemiological studies within a broad range of health-sciences related fields

## 2022-2023 Ottawa, ON

Senior Analyst (6-month contract)

Ontario Health – Cancer Screening Analytics

- Developed indicator methodologies and lead provincial-level reporting for the Ontario Lung Cancer Screening Program (OLSP).
- Prepared data and reports for the monthly OLSP COVID-19 tool.
- Prepared data and graphical representations for the Ontario Cancer Screening Performance Report (developed a code to generate a cohort that can be used for future reporting of the OLSP program) (<a href="https://www.cancercareontario.ca/sites/ccocancercare/files/assets/OCSPRfullReport.pdf">https://www.cancercareontario.ca/sites/ccocancercare/files/assets/OCSPRfullReport.pdf</a>)
- Developed a set of business rules to identify patients with lung cancer throughout the Ontario Cancer Registry for the purpose of the Screening Activity Report.
- Collaborate with internal and external clinical or scientific stakeholders to produce ad-hoc data requests and develop quality improvement initiatives.

## 2021-2022 Ottawa. ON

## Methodologist II

Ottawa Health Research Institute/ICES University of Ottawa

- Collaborated with investigators, research staff, and students to design and conduct epidemiological studies using health administrative data from ICES.
- Performed advanced data manipulation and statistical analyses (e.g., survival analysis, propensity score weighting, multiple imputation, modified Poisson regression, model validation, etc.) using statistical software (SAS, R).

2019-2021 Kingston, ON Teaching Assistant

Faculty of Health Sciences, Queen's University

- Created and presented weekly/bi-weekly lectures and workshops to audiences ranging from 10-50 students.
- Provided constructive feedback and graded student assignments.
- Provided academic assistance to students through email communications, appointments, and regular office hours.

2020-2021 Kingston, ON Conference Coordinator (Scholarship Beyond Boundaries)

Society of Graduate and Professional Students, Queen's University

 Coordinated all aspects of the 2021 (2<sup>nd</sup> annual) Society of Graduate and Professional Students Virtual Scholarship Beyond Boundaries Conference (included 13 panels with 2-3 presenters each, 6 workshops, and 1 keynote session).

2019 Kingston, ON Conference Coordinator (CATCH Network Symposium)

Cardiovascular Imaging Network at Queen's, Queen's University

- Co-Applicant on successful Canadian Institutes of Health Research Planning & Dissemination Grant (listed as Co-Applicant).
- Organized logistics, promotion, and scheduling of the 1.5-day Community & Athletic Health Network (CATCH Network) held in Kingston, Ontario - meeting recap video.

2019 Kingston, ON Lead Instructional Design Assistant (summer term)

Faculty of Health Sciences, Queen's University

- Managed and organized a team of 5-10 instructional design assistants.
- Interacted directly with professors to develop course content, as well as design assignments and grading schemes.

2018 Kingston, ON Instructional Design Assistant (summer term)

Faculty of Health Sciences, Queen's University

- Collaborated on the development of online health sciences-related courses using a competency-based, student-centered and performance-driven educational framework
- Integrated instructional and interactive learning approaches for course content into discrete online modules.
- Worked with a team of program directors, course leads, professors, and students to generate course content, assignments, and grading schemes.

2015-2016 Hamilton, ON Student Research Assistant (two 4-month summer terms)

Population Health Research Institute. Hamilton Health Sciences

- Developed a strong understanding of research methodology, including data entry and analysis using iDataFax data management software, study administrative procedures, and electronic filing systems.
- Designed a training program for site staff and participants that outlined the necessary setup and documentation procedure for recording study participant data related to the use of a pedometer.
- Updated clinical trial case report forms and created Excel pivot tables using raw study data to enable monitoring of analysis workbooks.

#### **CERTIFICATIONS**

Oct 2022 Good Clinical Practice

Exp. Oct 2024 CITI Program

Apr 2020 Statistical Data Analysis Using SAS

No Exp. Date SAS Institute

Apr 2018 CPR/AED Level C Training

Exp. Apr 2021 Canadian Red Cross

May 2025 TCPS 2 Core Ethics

No Exp. Date Panel on Research Ethics, Government of Canada

June 2019 Accessibility for Ontarians with Disabilities Act (AODA)

No Exp. Date Legislative Assembly of Ontario

May 2018 Health and Safety Awareness

No Exp. Date Department of Environmental Health and Safety, Queen's University

## PEER-REVIEWED RESEARCH GRANTS

July 2025-June 2027

The systematic review of cardiovascular outcomes in major clinical heart

failure trials by intersectionality of sex and gender, race, and age:

Co-Applicant Maximizing knowledge translation opportunities

Canadian Institutes of Health Research Project Grant

Co-Principal Applicants: Banks L, Colella TJ

Co-Applicants: Andreak N, Connelly KA, Cote P, Forcillo K, Graham M,

Grubic N, Kimmaliardjuk DM, Norris CM, Randhawa VK, Yan AT

\$183,600 CAD

Feb 2025-Jan 2026

The systematic review of cardiovascular outcomes in major clinical trials

by sex, race, and age: Maximizing knowledge translation opportunities

Co-Principal Applicants: Banks L, Colella TJ

Co-Applicants: Andreak N, Connelly KA, Forcillo K, Graham M, Grubic

N, Kimmaliardjuk D, Norris CM, Randhawa VK, Yan AT

\$100,000 CAD

Nov 2024-Oct 2024

Planning for the evaluation of cardiovascular outcomes in major clinical

trials by sex, race, and age

**Co-Applicant** 

**Co-Applicant** 

Canadian Institutes of Health Research Planning and Dissemination

Grant

Co-Principal Investigators: Banks L, Randhawa VK

Co-Applicants: Colella T, Connelly K, Côté P, Forcillo J, Michelle G,

Grubic N

Collaborators: Main E, Robert H

\$19,827 CAD

Sept 2022-Aug 2024

Co-Principal Investigator

Psychology of Athletic Cardiovascular Evaluations (PACE):

Development of a digital workflow model to advance compassionate care and provide support to athletes undergoing cardiovascular

preparticipation screening

https://www.ams-inc.on.ca/project/developing-a-digital-workflow-model-to-advance-compassionate-care-and-provide-support-to-athletes-underg

oing-cardiovascular-preparticipation-screening/

AMS Healthcare Compassion and Artificial Intelligence Small Grant

<u>Co-Principal Investigator:</u> **Grubic N**, Johri AM <u>Collaborators:</u> Hill B, Thornton JS, Mihaljlovic V

\$20,000 CAD

July 2021-July 2022

Accelerated Remote Consultation Tele-POCUS in Cardiopulmonary Assessment (ARCTICA)

Co-Applicant

Canadian Institutes of Health Research Project Grant

Principal Investigators: Johri AM, Chow CM, Jelic T, Luong C, Ma I,

Mashari A, Mulvagh S, Nesbitt G

Co-Applicants: Grubic N, Gauthier S, Kiamanesh O, Montague SM

\$150,000 CAD

May 2020-Sept 2020

Co-Investigator

Accelerated Remote Cardiopulmonary Tele-POCUS by Augmented

Intelligence in COVID-19 Assessment

Canadian Cardiovascular Society COVID-19 Challenge for Canada

Initiative

<u>Principal Investigators:</u> Durbin J, Mulvagh S, Kiamanesh O, Johri AM <u>Co-Investigators:</u> **Grubic N**, Manian U, Luksun W, Montague S, Smith C,

Hussein M, Norman R

\$45,000 CAD

May 2019-Apr 2020

**Co-Applicant** 

Canadian Cardiovascular Society Sport Group Mobilization Event: A Planning Meeting to Collaborate, Identify Barriers, and Build National

Solutions for the Cardiovascular Screening and Care of Athletes

Program

Canadian Institutes of Health Research Planning and Dissemination

Grant

Principal Applicant: Johri AM

Co-Applicants: Grubic N, Dorian P, Pipe A

\$15,000 CAD

Apr 2019-May 2021

Implementation of Canada's First Cardiovascular Screening and Care of

Co-Investigator Athletes Program.

Southeastern Ontario Academic Medical Organization Innovation Fund

Co-Principal Investigators: Johri AM, Pipe A

Co-Investigators: Grubic N, O'Connor M, Graham K

\$50,000 CAD

#### **RESEARCH-SPECIFIC AWARDS & SCHOLARSHIPS**

Oct 2025-Mar 2026

Canada Graduate Scholarships – Michael Smith Foreign Study

Supplements (CGS-MSFSS)

Canadian Institutes of Health Research. Government of Canada \$6,000 CAD Oct 2025-Mar 2026 Globalink Research Award Mitacs \$6,000 CAD Oct 2025-Mar 2026 University of Fribourg Foreign Doctoral Exchange Scholarship University of Fribourg F9,500 CHF (\$15,870 CAD) January 2025 Adel S. Sedra Distinguished Graduate Award Finalist School of Graduate Studies, University of Toronto \$1,000 CAD • Selected as 1 of 3 finalists for the Adel S. Sedra Graduate Award Recognized as a University of Toronto Alumni Association Scholar Sept 2024 School of Graduate Studies Conference Award School of Graduate Studies, University of Toronto \$1,150 CAD Sept 2024-Aug 2027 Doctoral Research Award: Canada Graduate Scholarship [Declined] Canadian Institutes of Health Research, Government of Canada \$120,000 CAD (\$40,000 CAD/year for 3 years) Ranked 2nd out of 395 submitted applications (percentile rank = 0.51%) Declined award offer due to acceptance of Vanier Canada Graduate Scholarship Sept 2024-Aug 2027 Vanier Canada Graduate Scholarship Canadian Institutes of Health Research, Government of Canada \$150,000 CAD (\$50,000 CAD/year for 3 years) Ranked in top 10% of applicants forwarded to national competition (16/188) Sept 2024-Oct 2025 Lloyd Carr-Harris PhD Scholarship Unity Health Toronto - St. Michael's Hospital \$20,000 CAD Awarded 1 of 4 scholarships among 46 applicants Travel Award (for CANet Expert Knowledge Exchange) Sept 2023 Cardiovascular Network of Canada Conference registration, travel, and accommodations Queen Elizabeth II Graduate Scholarship in Science & Technology Sept 2023-Aug 2024 School of Graduate Studies, University of Toronto Ontario Ministry of Advanced Education and Skills Development \$15,000 CAD

Grubic, N. 10

School of Graduate Studies, University of Toronto

University of Toronto Fellowship

\$9,000 CAD

Sept 2023-Aug 2024

Aug 2023 Travel Award (for Vascular 2023)

Cardiovascular Network of Canada

Cardiovascular Network of Canada

\$1,500 CAD

Nov 2022 1st Place Poster - General Interest Category (Expert Knowledge

Exchange)

Cardiovascular Network of Canada

\$300 CAD

Sept 2022 Travel Award (for CANet Expert Knowledge Exchange)

Cardiovascular Network of Canada

Conference registration, travel, and accommodations

Aug 2022 Trainee Publication Award

Cardiovascular Network of Canada

\$200 CAD

June 2021 Graduate Student Conference Award

Department of Public Health Sciences, Queen's University

Conference registration

Sept 2020-Aug 2021 Frederick Banting and Charles Best Canada Graduate Scholarship –

Master's

Canadian Institutes of Health Research, Government of Canada

\$17,500 CAD

Aug 2020 Graduate Student Conference Award

Department of Public Health Sciences, Queen's University

\$250 CAD

Oct 2019 Have a Heart Bursary

Canadian Cardiovascular Society Academy

Conference registration, travel, and accommodations

Sept 2019-Aug 2020 Queen's University Graduate Award

Department of Public Health Sciences, Queen's University

\$12,500 CAD

## **HONOURS, SCHOLARSHIPS & AWARDS**

2025 King Charles III Coronation Medal

 Awarded on behalf of the Heart and Stroke Foundation for community support and fundraising

2019 Retired Teachers of Ontario Scholarship (\$1,500 CAD)

Croatian-Canadian Chamber of Commerce Scholarship (\$2,000 CAD)

Dean's Honour List

2018 Croatian Fraternal Union of America Scholarship (\$1,000 USD)

Dean's Honour List

Botterell Award (Academic and Athletic Leadership)

2017 Croatian Fraternal Union of America Scholarship (\$1,000 USD)

2016 Croatian Fraternal Union of America Scholarship (\$1,000 USD)

Dean's Honour List

2015 Croatian Fraternal Union of America Scholarship (\$1,000 USD)

Croatian Fraternal Union Lodge 954 Anne Eleyonich Scholarship (\$1,500 CAD)

ROWONTARIO High School Bursary (\$2,500 CAD)

Hamilton Health Sciences Leader's of Tomorrow Scholarship (\$1,000 CAD)

Queen's University Excellence Entrance Scholarship (\$2,000 CAD)

#### **ACADEMIC SERVICE**

#### **Ad-hoc Journal Review**

Total manuscripts peer-reviewed: 142

Journals: Canadian Journal of Cardiology, Canadian Journal of Cardiology Open, BMJ Open, British Journal of Educational Psychology, Data, SAGE Open, European Journal of Health Psychology, Healthcare, International Journal of General Medicine, Medical Science Monitor, Mental Health Review Journal, Open Access Journal of Sports Medicine, Patient Preference and Adherence, Psychiatry and Clinical Neurosciences, Public Health, SAGE Open Medicine, Social Work in Health Care, International Journal of Environmental Research and Public Health, Circulation (co-review), Frontiers in Sports and Active Living, Vascular Health and Risk Management, Medicina, Reviews in Cardiovascular Medicine, PLOS One, Current Psychology, Journal of Sport Sciences, Scientific Reports, Journal of Cardiovascular Development and Disease, Journal of Electrocardiology (co-review), Epidemiology, Journal of Point-of-care Ultrasound, Computers in Medicine and Biology, International Journal of Emergency Medicine, Canadian Journal of Public Health, International Journal of Behavioral Nutrition and Physical Activity (co-review), Annals of Medicine, One Health

#### **Journal Editorial Duties**

2021-Present Canadian Journal of Cardiology

• Editorial Board Member (2024-Present)

• Trainee Reviewer Board Member (2021-2023)

2024-Present Canadian Journal of Cardiology Open

Editorial Board Member (2024-Present)

2024-Present Point-of-care Ultrasound Journal

Associate Editor, Statistics/Research Methods (2024-Present)

## **Academic Society Committee Involvement**

June 2025-Dec 2026 Academ

Academic Society: Canadian Cardiovascular Society

**Committee:** Journal Adsory Group

Position: Members (Trainee Representative)

- Analyze and review the current business model for the CCS family of three journals
- Examine and advise on maintaining or changing the model for editorial management of the CCS family of three journals
- Establish an equitable and transparent process for making any industry standard-related changes to the contracts CCS holds for Editors-in-Chief (EICs) of any/all CCS journals, and/or addition of other oversight positions within the CCS family of journals
- Participate in the recruitment and interview process with EIC candidates in response to the call for journal EICs; review and recommend the preferred candidates

Jan 2025

Academic Society: Society for Epidemiologic Research

Committee: Society for Epidemiologic Research Scientific Program

Planning Committee

Position: Abstract Reviewer

 Reviewed abstracts submitted to the 2025 Society for Epidemiologic Research Annual Meeting.

Sept 2024-Present

Academic Society: Society for Epidemiological Research

**Committee:** Mentorship Program

Position: Coordinator

• Coordinate a 7-person mentorship group (i.e., schedule meetings, determine topics, assign facilitators)

May 2025-Present

Academic Society: Canadian Cardiovascular Society
Committee: CCC2026 Strategies Redesign Committee

- Position: Trainee Representative
  - Reimagine the CCC format to deliver greater value, engagement, and innovation.
  - Strengthen CCC's position as the premier cardiovascular event in Canada.
  - Develop a financially sustainable business model that supports CCS's broader mission.
  - Align CCC with evolving industry standards, audience expectations, and partner needs.

Feb 2023-Present

Academic Society: Canadian Cardiovascular Society

Committee: Trainee Committee

<u>Position</u>: Journals Trainee Representative, Research Working Group, Communications Working Group, Program Evaluation Representative

- Represent the Canadian Journal of Cardiology, Canadian Journal of Cardiology Open, and Canadian Journal of Pediatric and Congenital Heart Disease within the Canadian Cardiovascular Society Trainee Committee.
- Lead the development of a trainee needs assessment that will be disseminated to cardiovascular trainees across Canada in 2024.

- Lead the planning and organization of a trainee research methods lectures series for the Canadian Cardiovascular Society.
- Support the development of a trainee networking series hosted on a virtual platform.

## May 2021-Present

Academic Society: Canadian Cardiovascular Society

Committee: Canadian Cardiovascular Congress Scientific Program

Planning Committee

Position: Abstract Reviewer

 Reviewed abstracts submitted to the 2021, 2022, 2024, and 2025 Canadian Cardiovascular Congress.

#### Mar 2022-Oct 2022

<u>Academic Society:</u> Canadian Cardiovascular Society Committee: Trainee Program Planning Committee

Position: Research Track Co-Lead

 Lead research track and develop trainee sessions/workshops for the research stream at the 2022 Canadian Cardiovascular Congress (Ottawa, ON).

#### Jan 2020-Mar 2022

<u>Academic Society:</u> Canadian Cardiovascular Society <u>Committee:</u> Trainee Program Planning Committee <u>Position:</u> Member

• Lead and develop trainee sessions/workshops for the research stream at the 2020 Canadian Cardiovascular Congress (virtual) and 2021 Canadian Cardiovascular Congress (virtual).

#### **Award & Grant Review**

2024 Ontario Health System Quality and Innovation Awards

#### **VOLUNTEER & EXTRACURRICULAR EXPERIENCE**

## Sept 2023-Present

Curriculum Committee of the Division of Epidemiology <a href="Position: PhD Epidemiology Student Representative">Position: PhD Epidemiology Student Representative</a>

- Provide oversight on the Division of Epidemiology's curriculum by ensuring that the curriculum is designed, managed, evaluated, and revised in a coherent and coordinated fashion.
- Ensure the educational objectives of the programs within the Division of Epidemiology are being achieved.
- Ensure that the interests of the epidemiology curriculum and programs are represented in the management and governance of the Dalla Lana School of Public Health (DLSPH).

Dec 2023-Present

Heart & Stroke Young Leaders Committee

Position: Lead (Sponsorship)

Position: Member (Community Outreach)

- Collaborate with a passionate group of philanthropists to connect young professionals to help shape the future of the Heart & Stroke Foundation.
- Host community events that focus on prevention of cardiovascular disease, cardiovascular health, and support life-saving research.

Sept 2023-Present

Doctoral Students in Epidemiology (DELTA) Association

<u>Position:</u> First-year Representative <u>Position:</u> Education Committee

 Collaborate with a group of students in the PhD program at the Dalla Lana School of Public Health to host educational, social, and networking events.

June 2023-Mar 2024

Nyack High School Science Research Program

Position: Mentor

• Work with and mentor a high school student in the conduct of an independent scientific research project.

Sept 2019-Present

Queen's University Rowing

Position: Alumni Representative

 Manage alumni relations, assist in quarterly alumni newsletter development, and plan/organize logistics of annual end-of-year galas/banquets.

Sept 2022-Aug 2023

Croatoan Ottawa Croatian Folklore Group

Position: Member

 Play and sing traditional Croatian folklore songs with the Senior Group; travel across Canada to various cultural festivals to perform.

May 2023

Ottawa Race Weekend

Position: Volunteer

 Work with a team of volunteers to support the Ottawa Race Weekend

Apr 2023-Aug 2023

Ottawa Rowing Club

Position: Assistant Coach

 Provide coaching assistance for the U23 and Senior Men's Rowing Team.

Aug 2022-Aug 2023

Ausome Ottawa

Position: Volunteer

 Assist with planning and running of activities/sporting events for children with autism.

Sept 2022-Nov 2022

Kingston Rowing Club 45th Anniversary Banquet

Position: Planning Committee Member & MC

 Planned logistics and schedule for the Kingston Rowing Club 45th Anniversary Banquet; served as MC for the event.

Jan 2021-Aug 2021

Queen's University Rowing Team Position: Volunteer Assistant Coach

 Assist with training and management of the 2020-2021 Queen's University Rowing team season.

May 2020-Aug 2021

Racial Considerations in Epidemiology (RaCE) Task Force <u>Position:</u> Founding Member

 Collaborated with a group of students to develop an active educational module on racial considerations when planning, conducting, and reporting research in epidemiology.

Sept 2020-May 2021

Point-of-care Ultrasound Medical Education Research Team Position: Volunteer

 Assist in research study (data collection and manuscript writing) and teach/train undergraduate medical students on the utility of point-of-care ultrasound.

Sept 2019-Aug 2021

Kingston Gets Active

Position: Volunteer Physical Activity Ambassador

 Attend local events and fairs to promote physical activity amongst children, youth, adults, and seniors.

Sept 2019-Aug 2021

Queen's University Triathlon

Position: Varsity Athlete

- Honours: Academic All-Star (2020, 2021), Most Valuable Player (2020).
- Notable Achievements: University of Toronto Swim Row Go Silver Medallist (2019), Multi-Sport Canada Wasaga Beach Olympic Triathlon Gold Medallist (2019), Multi-Sport Canada Welland Short Course Triathlon Silver Medallist (2019), Multi-Sport Canada Kingston Long-Course Triathlon Silver Medallist (2019).

Sept 2019-Aug 2021

Science to Business Network (Queen's University Chapter)

Position: Sponsorship Director

- Organize sponsorship agreements, maintain sponsor relations, and assist in event planning.
- Plan and moderate virtual events.

May 2019

Science Rendezvous

Position: Volunteer

 Demonstrate point-of-care ultrasound to children and families during a local STEM event (<a href="https://youtu.be/ibXYr4ap6rM">https://youtu.be/ibXYr4ap6rM</a>).

Mar 2019

Motionball Marathon of Sport Position: Event Volunteer

• Help to run a local athletic event for Special Olympics athletes.

Nov 2019

Queen's University Life Sciences Post-Undergraduate Information Night

Position: Panellist

 Participated in a panel discussion discussing opportunities for undergraduate Life Sciences students following graduation.

May 2018-Apr 2019

Queen's University Life Sciences Departmental Student Council

Position: Treasurer

 Manage budget, finances for events, sponsorship agreements/contracts, and assist in event planning.

Sept 2018-Apr 2019 Queen's Science Undergraduate Research Journal (QSURJ)

<u>Position:</u> Managing Editor

Coordinate team tasks, review submissions, and curate journal content.

Sept 2016-Apr 2019 Athlete Services (Queen's University)

Position: Peer Tutor

• Mentor and provide aid to student athletes through a peer academic support program.

Sept 2015-Apr 2019 Queen's University Rowing

Position: Varsity Athlete

- Honours: Athletic All-Canadian (2019), Botterell Award (2017), OUA Academic All-Star (2016, 2018, 2019), Most Valuable Player (2017), Rookie of the Year (2016), Ontario Athlete Assistance Program (2015, 2016, 2017, 2018).
- Notable Accomplishments: Canadian University Championships Gold Medallist (2017, 2018), Ontario University Association Rowing Championships Gold Medallist (2017, 2018), Canadian University Rowing Indoor Championships Gold Medallist (2018), Royal Canadian Henley Champion (2018), Canadian University Rowing Championships Silver Medallist (2017), Canadian University Rowing Championships Bronze Medallist (2016).

May 2018 Science Rendezvous

Position: Event Volunteer

 Demonstrated heart origami to children and families during a local STEM event.

Sept 2017-Apr 2018 Queen's University Life Sciences Prospective Student Facilitator Committee

Position: Volunteer

 Attended university fairs and open houses to educate prospective students and parents on the Queen's University Life Sciences Program.

Sept 2017-Apr 2018 Queen's University Rowing Executive Committee

Position: Alumni Relations

Managed alumni relations and fundraising endeavours.

Sept 2017-Apr 2018 Queen's Science Undergraduate Research Journal (QSURJ)

Position: Marketing Manager

 Organized advertising, promotional material, and call for submissions.

Oct 2017 CIBC Run for the Cure

Position: Participant

 Fundraised and ran a 5km run to support cancer awareness and research.

Sept 2017 Residence Move-in Day

Position: Event Volunteer

 Assisted first-year students and families move-in to their residence on campus.

Apr 2017-Aug 2017 Canada Summer Games Team Ontario Rowing

Position: Athlete

 Notable Achievements: 1<sup>st</sup> Place in Lightweight Men's 4-, 2<sup>nd</sup> Place in Heavyweight Men's 4-

Oct 2016 CIBC Run for the Cure

Position: Participant

• Fundraised and ran a 5km run to support cancer awareness and research.

Sept 2016-Apr 2017 Queen's University Rowing Executive Committee

Position: Social Representative

Planned and ran teambuilding and social activities.

Sept 2016 Residence Move-in Day

Position: Event Volunteer

 Assisted first-year students and families move-in to their residence on campus.

Mar 2015 Dominican Republic Education and Medical Support Humanitarianism

Trip

Position: Participant

 Travelled to the Dominican Republic for a week to provide support and aid to an impoverished community.

• Worked with a team of students/teachers to construct a home.

Sept 2003-Apr 2013 Croatian National Home Folklore Group

Position: Member

• Played, danced, and sang traditional Croatian music with a folklore group in Hamilton, Ontario.

Jun 2011-Aug 2011 Hamilton General Hospital/Hamilton Health Sciences

Position: Hospital

 Assisted with administrative tasks within the department of diagnostic imaging.

#### **PUBLICATIONS**

Supervised students are underlined

## First Author & Senior Author Publications (n=32)

1. **Grubic N\***, Randhawa V\* (\*Co-first authors), Cotie LJ, Collela TJF, Banks L. Beyond "one-size-fits-all": Re-thinking methods and data reporting to advance intersectionality in

- cardiovascular health research. *Canadian Journal of Cardiology Open.* 2025.https://doi.org/10.1016/j.cjco.2025.10.001.
- 2. **Grubic N**, Maximova K, Chiolero A, Siddiqi A, Carsley S, Batomen B, Harris KM, Carmeli C. Reducing socioeconomic inequalities in adult cardiovascular disease risk by targeting unhealthy movement behaviours during adolescence: A protocol. *Canadian Journal of Cardiology Open.* 2025. <a href="https://doi.org/10.1016/j.cjco.2025.08.002">https://doi.org/10.1016/j.cjco.2025.08.002</a>.
- 3. **Grubic N**, McKinney J, Moulson N, Johri AM.Countering Misinformation in the Response to Sudden Cardiac Arrest in Athletes. *Canadian Journal of Cardiology (Invited Editorial)*. 2025. <a href="https://doi.org/10.1016/j.cjca.2025.07.001">https://doi.org/10.1016/j.cjca.2025.07.001</a>.
- Grubic N, Nihal S, Jelic T, Montague SJ, Aleksova N, Nesbitt G, Kiamanesh O, Belliveau DJ, Kolbenson L, Kanyuka Z, Mulvagh SL, Johri AM. Training non-expert users in cardiopulmonary point-of-care ultrasound using a virtual curriculum and tele-consultation model: A multicentre study. *Canadian Journal of Cardiology Open*. 2025. https://doi.org/10.1016/j.cjco.2025.06.009.
- 5. **Grubic N**, Gustafson D. Transitioning from Reaction to Prevention in Sudden Cardiac Arrest: Causal Clues and Caveats from Mendelian Randomization Studies. *Canadian Journal of Cardiology (Invited Editorial)*. 2025. <a href="https://doi.org/10.1016/j.cjca.2025.03.019">https://doi.org/10.1016/j.cjca.2025.03.019</a>.
- 6. **Grubic N**, McCleary J, Vasingh N, Fraser M, Ford MK, Hill B, Mihajlovic V, Bennett R, Thornton JS, Law A, Johri AM. Educating Athletes on Cardiovascular Pre-Participation Screening: A Quick Reference Infographic. *Canadian Journal of Cardiology*. 2025. https://doi.org/10.1016/j.cjca.2025.03.017.
- 7. **Grubic N**, Carmeli C, Batomen B. On the Consistency Assumption for Causal Inference in Cardiovascular Epidemiology (*Invited Commentary*). 2025;41(5):957. *Canadian Journal of Cardiology*. 2025. <a href="https://doi.org/10.1016/j.cjca.2025.02.012">https://doi.org/10.1016/j.cjca.2025.02.012</a>.
- 8. **Grubic N**, <u>Fraser M</u>, Ford MK, <u>Hill B</u>, Mantella LE, Mihajlovic V, Bennett R, <u>Syan R</u>, Thornton JS, <u>Law A</u>, Johri AM. "I wish I had been better prepared": A mixed-methods study of psychological reactions, perceptions, and opinions of cardiovascular pre-participation screening among young competitive athletes. *British Journal of Sports Medicine*. 2025:59(11):761-773. <a href="https://doi.org/10.1136/bjsports-2024-108921">https://doi.org/10.1136/bjsports-2024-108921</a>. \*Recognized as an Editor's Choice Article.
- 9. **Grubic N**, Johnston A, Randhawa VK, Humphries KH, Rosella LC, Maximova K. Breaking Down Bias: A Methodological Primer on Identifying, Evaluating, and Mitigating Bias in Cardiovascular Research. *Canadian Journal of Cardiology.* 2025;41(5):996-1009. https://doi.org/10.1016/j.cjca.2024.12.022.
- Grubic N, Allan KS, Ghamarian E, Lin S, Lebovic G, Dorian P, on behalf of the C-SCAN Investigators. Incidence and outcomes of out-of-hospital cardiac arrest patients admitted to the hospital in Canada from 2013 to 2017. Canadian Journal of Cardiology Open. 2025;7(1):88-99. <a href="https://doi.org/10.1016/j.cico.2024.09.015">https://doi.org/10.1016/j.cico.2024.09.015</a>.
- 11. **Grubic N**, Ezekowitz JA. Rethinking Composite Endpoints with the Win Ratio: A Breakthrough or Business as Usual? *Canadian Journal of Cardiology (Invited Editorial)*. 2024;40(11):2180-2184. https://doi.org/10.1016/j.cjca.2024.07.022.
- Grubic N, Andreacchi AT, Batomen B. Is Your Smartphone a Heartbreaker? Dialing into the Connection Between Mobile Phone Use and Cardiovascular Disease. *Canadian Journal of Cardiology (Invited Editorial)*. 2024;40(11):2166-2170. https://doi.org/10.1016/j.cjca.2024.07.006.

\*Featured in Canadian Journal of Cardiology September News Release.

- 13. **Grubic N**, Khattar J, De Rubeis V, Banack HR, Dabravolskaj J, Maximova K. The Weight of Trauma: Navigating Collider Stratification Bias in the Association Between Childhood Maltreatment and Adult Body Mass Index. *Canadian Journal of Cardiology Pediatric & Congenital Heart Disease*. 2024;3(3):98-101. <a href="https://doi.org/10.1016/j.cjcpc.2024.05.001">https://doi.org/10.1016/j.cjcpc.2024.05.001</a>.
- 14. Grubic N, Hill B, Allan KS, Maximova K, Banack HR, Del Rios M, Johri AM. Mediators of the association between socioeconomic status and survival after out-of-hospital cardiac arrest: A systematic review. Canadian Journal of Cardiology (Invited Review). 2024;40(6):1088-1101. <a href="https://doi.org/10.1016/j.cjca.2024.01.002">https://doi.org/10.1016/j.cjca.2024.01.002</a>. \*Canadian Journal of Cardiology June Article of the Month.
- Grubic N, Amarasekera S, Mantella L, Stall NM. Heart of the Matter: The Physical and Mental Health Burden of Caregiving for Cardiovascular Patients. *Canadian Journal of Cardiology (Invited Editorial)*. 2024;39(7):351-354. https://doi.org/10.1016/j.cjca.2023.11.033.
- 16. <u>Williamson M</u>\*, **Grubic N**\* (\*Co-first authors), Moulson N, Johri AM. Evaluation of a community-conducted electrocardiogram model for athletic cardiovascular screening: primary care network versus sports cardiology interpretation. *Journal of Electrocardiology*. 2023;81:36-40. <a href="https://doi.org/10.1016/j.jelectrocard.2023.07.007">https://doi.org/10.1016/j.jelectrocard.2023.07.007</a>.
- Grubic N, Hill B, Allan KS, Dainty KN, Johri AM, Brooks SC. Community interventions to improve care and survival after out-of-hospital cardiac arrest in resource-limited settings: A scoping review. *Prehospital Emergency Care*. 2023;27(8):1088-1100. https://doi.org/10.1080/10903127.2023.2231559.
- Heidi C, Liblik K, Varghese SS, Masotti B, Moulson N, McKinney J, Allan KS, Phelan D, Thakrar A, Johri AM, Grubic N. Shared decision-making in athletes diagnosed with a cardiovascular condition: A scoping review. *Current Problems in Cardiology*. 2023;48(10):101815. https://doi.org/10.1016/j.cpcardiol.2023.101815.
- 19. **Grubic N**, Johri AM, on behalf of the CATCH Network. Development of an online cardiovascular pre-participation screening tool: The Community & Athletic Cardiovascular Health Network Screening Tool. *Canadian Journal of Cardiology*. 2023;39(7):883-885. <a href="https://doi.org/10.1016/j.cjca.2023.03.008">https://doi.org/10.1016/j.cjca.2023.03.008</a>.
- 21. **Grubic N**, Allan KS, Drezner JA, <u>Hill B</u>, Johri AM. Public emotions and opinions following the sudden cardiac arrest of a young athlete: A sentiment analysis. *The American Journal of Emergency Medicine*. 2023;67:179-181. <a href="https://doi.org/10.1016/j.ajem.2023.03.015">https://doi.org/10.1016/j.ajem.2023.03.015</a>.
- 22. **Grubic N**, Smith BT, Blewer A, Randhawa VK, Allan KS. Removing the "man" in "manikin": The importance of sociodemographic diversity in resuscitation training. *Canadian Journal of Cardiology (Invited Editorial)*. 2022;38(12):1907-1910. <a href="https://doi.org/10.1016/j.cjca.2022.10.016">https://doi.org/10.1016/j.cjca.2022.10.016</a>. \*Featured in Canadian Journal of Cardiology November News Press Release
- 23. Matsushita K, **Grubic N**. Bridging the gap: Considerations for the design of effective and tailored student mental health supports. *Canadian Journal of Psychiatry*. 2023;68(2):130-131. <a href="https://doi.org/10.1177/07067437221125303">https://doi.org/10.1177/07067437221125303</a>.
- 24. **Grubic N**, Peng YP, Walker M, Brooks SC, on behalf of the CARES Surveillance Group. Bystander-initiated cardiopulmonary resuscitation and automated external defibrillator use

after out-of-hospital cardiac arrest: Uncovering disparities in care and survival across the urban-rural spectrum. *Resuscitation*. 2022;175:150-158. <a href="https://doi.org/10.1016/j.resuscitation.2022.04.014">https://doi.org/10.1016/j.resuscitation.2022.04.014</a>.

- \*Selected for 2022-2023 CANet CHAT Publication Award
- 25. **Grubic N**, <u>Hill B</u>, Phelan D, Baggish A, Dorian P, Johri AM. Bystander interventions and survival after exercise-related sudden cardiac arrest: A systematic review. *British Journal of Sports Medicine*. 2022;56(7);410-416. https://bjsm.bmj.com/content/early/2021/11/30/bjsports-2021-104623.
- 26. **Grubic N**, <u>Jain S</u>, Mihajlovic V, Thornton JS, Johri AM. Competing against COVID-19: have we forgotten about student-athletes' mental health? *British Journal of Sports Medicine*. 2021;55(17):8-9. http://dx.doi.org/10.1136/bjsports-2021-104218.
- 27. **Grubic N**, <u>Puskas J</u>, Phelan D, Fournier A, Martin LJ, Johri AM. Shock to the Heart: Psychosocial Implications and Applications of Sudden Cardiac Death in the Young. *Current Cardiology Reports*. 2020;22(12):168. <a href="https://doi.org/10.1007/s11886-020-01419-6">https://doi.org/10.1007/s11886-020-01419-6</a>.
- 28. **Grubic N**, Colledanchise K, Liblik K, Johri AM. The Role of Carotid and Femoral Plaque Burden in the Diagnosis of Coronary Artery Disease. *Current Cardiology Reports*. 2020;22(10):121. <a href="https://doi.org/10.1007/s11886-020-01375-1">https://doi.org/10.1007/s11886-020-01375-1</a>.
- 29. **Grubic N**, Badovinac S, Johri AM. Student Mental Health in the Midst of the COVID-19 Pandemic: A Call for Further Research and Immediate Solutions. *International Journal of Social Psychiatry*. 2020;66(5):517-518. <a href="https://doi.org/10.1177/0020764020925108">https://doi.org/10.1177/0020764020925108</a>.
- 30. **Grubic N**, Baranchuk M, Johri AM. An Athlete's Journey Through Cardiovascular Screening: Applying a Non-Binary Approach to Sports Participation/Restriction Using Shared-Decision Making. *Canadian Journal of Cardiology*. 2019;35(7):941.e3-941.e4. <a href="https://doi.org/10.1016/j.cjca.2019.04.013">https://doi.org/10.1016/j.cjca.2019.04.013</a>.
- 31. **Grubic N** & Chan B. The Use of Point-of-Care Ultrasound for Pleural Assessment and Intervention. *Journal of Point of Care Ultrasound*. 2019;4(1):4-5. <a href="https://doi.org/10.24908/pocus.v4i1.13315">https://doi.org/10.24908/pocus.v4i1.13315</a>.
- 32. **Grubic N**, Nadasdi J, Kloosterman R. Functional and Ethical Considerations of Developing a Therapeutic Cure for HIV Using CRISPR. *The Queen's Science Undergraduate Research Journal*. 2019;3(1):13-15. https://ojs.library.gueensu.ca/index.php/gsurj/article/view/13330.

## Co-Authored Publications (n=21)

- 1. Yuan Q, **Grubic N**, Hindi M, Elfassy MD, Yuen T, Randhawa V, Boiuvin-Proulx LA. Current State of Canadian Cardiovascular Trainees' Professional Needs: A National Survey. *Canadian Journal of Cardiology*. 2025. https://doi.org/10.1016/j.cjca.2025.04.013.
- 2. Lavie CJ, **Grubic N**, Phelan DM, O'Keefe JH. Reducing Rates of Exercise and Sports Related Cardiac Mortality. *Canadian Journal of Cardiology Open.* 2025;7(1):67-69. <a href="https://doi.org/10.1016/j.cjco.2024.10.003">https://doi.org/10.1016/j.cjco.2024.10.003</a>.
  - \*Featured in Canadian Journal of Cardiology Open November News Release
- 3. Qureshi D, **Grubic N**, Maxwell C, Bush S, Casey G, Isenberg S, Tanuseputro P, Webber C. Association of disease trajectory and place of care with end-of-life burdensome transitions: a retrospective cohort study. *Journal of the American Medical Directors Association*. 2024; 25(11):105229. <a href="https://doi.org/10.1016/j.jamda.2024.105229">https://doi.org/10.1016/j.jamda.2024.105229</a>.

- 4. Feng H, Ge E, **Grubic N**, Liu X, Zhang H, Sun Q, Wei X, Zhou F, Huang S, Chen Y, Guo H, Li J, Zhang K, Luo M, Chen L. Coarse particulate air pollution and mortality in a multidrug-resistant tuberculosis cohort. *Science and the Total Environment*. 2024;946:174048. <a href="https://doi.org/10.1016/j.scitotenv.2024.174048">https://doi.org/10.1016/j.scitotenv.2024.174048</a>.
- Matangi MF, Hetu MF, Armstrong DWJ, Shellenberger J, Brouillard D, Baker J, Johnson A, Grubic N, Willms H, Johri AM. Carotid Plaque Score is Associated with 10-year Major Adverse Cardiovascular Events in Low-Intermediate Risk Patients Referred to a General Cardiology Community Clinic. European Heart Journal - Cardiovascular Imaging. 2024 (in press). https://doi.org/10.1093/ehjci/jeae153.
- 6. <u>Hill B</u>, **Grubic N**, Liblik K, Johri AM. Patient involvement in care, psychosocial outcomes and quality of life in hypertrophic cardiomyopathy: A cross-sectional study. *Canadian Journal of Cardiology Open.* 2024;6(3):539-543. https://doi.org/10.1016/j.cjco.2023.11.002.
- Hussain J, Grubic N, Akbari A, Canney M, Elliott MJ, Ravani P, Tanuseputro P, Clark EG, Hundemer GL, Ramsay T, Tangri N, Knoll GA, Sood MM. Associations between modest reductions in kidney function and adverse outcomes in young adults: retrospective, population based cohort study. *British Medical Journal*. 2023;381:e075062. <a href="https://doi.org/10.1136/bmj-2023-075062">https://doi.org/10.1136/bmj-2023-075062</a>.
- Harasemiw O, Nayak JG, Grubic N, Ferguson TW, Sood MM, Tangri N. A predictive model for kidney failure after nephrectomy for a localized kidney cancer: The Kidney Cancer Risk Equation. American Journal of Kidney Diseases. 2023;82(6):656-665. <a href="https://doi.org/10.1053/j.ajkd.2023.06.002">https://doi.org/10.1053/j.ajkd.2023.06.002</a>.
- Wang TF, Grubic N, Carrier M, Canny M, Delluc A, Hundemer GL, Knoll G, Lazo-Langner A, Massicotte-Azarinouch D, Tanuseputro P, Sood MM. Risk of venous thromboembolism or hemorrhage among individuals with chronic kidney disease on prophylactic anticoagulant after hip or knee arthroplasty. *American Journal of Hematology*. 2023;98(9):1374-1382. <a href="https://doi.org/10.1002/ajh.26994">https://doi.org/10.1002/ajh.26994</a>.
- Cui E, Kersche G, Grubic N, Hetu MF, Pang S, Sillesen H, Johri AM. Effect of pharmacologic anti-atherosclerotic therapy on carotid intraplaque neovascularization: a systematic review. *Journal of Clinical Lipidology*. 2023;17(3):315-326. https://doi.org/10.1016/j.jacl.2023.04.009.
- 11. Wong S, Nihal S, Ke DYJ, Neary E, Wu L, Ocean E, Cencowski E, **Grubic N**, Pang SC, Johri AM. Lessons learned from POCUS instruction in undergraduate medicine during the COVID-19 pandemic. *Journal of Point of Care Ultrasound*. 2023;8(1):81-87. <a href="https://doi.org/10.24908/pocus.v8i1.16410">https://doi.org/10.24908/pocus.v8i1.16410</a>.
- 12. Rubens F, Fremes SF, **Grubic N**, Fergusson D, Taljaard M, van Walraven C. Outcomes following coronary artery bypass grafting with multiple arterial grafting by pump status in men and women. *The Journal of Thoracic and Cardiovascular Surgery.* 2023;167(5):1796-1807.E15. https://doi.org/10.1016/j.itcvs.2023.02.008.
- 13. <u>Hill B</u>, **Grubic N**, Williamson M, Phelan D, Baggish A, Dorian P, Drezner JA, Johri AM. Does cardiovascular preparticipation screening cause psychological distress in athletes? A systematic review. *British Journal of Sports Medicine*. 2022;57(3):172-178. <a href="http://dx.doi.org/10.1136/bjsports-2022-105918">http://dx.doi.org/10.1136/bjsports-2022-105918</a>. \*Recognized as an Editor's Choice Article.
- 14. Alkadri J, Audoin SD, McDonald B, **Grubic N**, McIsaac DI. Association of frailty with days alive at home in critically ill patients undergoing emergency general surgery: a

- population-based cohort study. *British Journal of Anaesthesia*. 2022;129(4):536-543. https://doi.org/10.1016/j.bja.2022.07.013.
- 15. Moulson N, Connelly KA, Dorian P, Fournier A, Goodman J, Grubic N, Isserow S, Johri AM, Philippon F, Pipe A, Poirier P, Quinn R, Taylor T, Thornton J, Wilkinson M, McKinney J. COVID-19, Inflammatory Heart Disease, and Vaccination in the Athlete and Highly Active Person: An Update and Further Considerations. *Canadian Journal of Cardiology*. 2022;38(10):1580-1583. https://doi.org/10.1016/j.cjca.2022.05.019.
- 16. Sood M, Rhodes E, Talarico R, Gerin-Lajoie C, Simon C, Spilg E, McFadden T, Kyeremanteng K, Myran D, **Grubic N**, Tanuseputro P. Suicide and self-harm among physicians in Ontario, Canada. *Canadian Journal of Psychiatry.* 2022;67(10):778-786. <a href="https://doi.org/10.1177%2F07067437221099774">https://doi.org/10.1177%2F07067437221099774</a>.
- 17. Johri AM, Laikosz KA, **Grubic N**, Islam S, Li TY, Simpson CS, Ewart P, Suri JS, Hetu MF. Maximum Plaque Height in Carotid Ultrasound Predicts Cardiovascular Disease Outcomes: A Population-Based Validation Study of the American Society of Echocardiography's Grade II-III Plaque Characterization and Protocol. *International Journal of Cardiovascular Imaging*. 2021;37(5):1601-1610. <a href="https://doi.org/10.1007/s10554-020-02144-5">https://doi.org/10.1007/s10554-020-02144-5</a>.
- McKinney J, Connelly KA, Dorian P, Fournier A, Goodman J, Grubic N, Isserow S, Moulson N, Philippon F, Pipe A, Poirier P, Taylor T, Thornton J, Wilkinson M, Johri AM. COVID-19 Myocarditis and Return-to-play: Reflections and Recommendations from a Canadian Working Group. Canadian Journal of Cardiology. 2021;37(8):1165-1174. <a href="https://doi.org/10.1016/j.cjca.2020.11.007">https://doi.org/10.1016/j.cjca.2020.11.007</a>.
- 19. Varghese SS, Eekhoudt CR, **Grubic N**, Leclerc J, Sharma A. COVID-19 and Research: Implications, Opportunities and Future Planning. *Canadian Journal of Cardiology*. 2020;26(12):1836-1838. <a href="https://doi.org/10.1016/j.cjca.2020.09.008">https://doi.org/10.1016/j.cjca.2020.09.008</a>.
- 20. Lam J, Wong S, **Grubic N**, Nihal S, Herr JE, Belliveau DJ, Montague SM, Johri AM. Accelerated Remote Consultation Tele-POCUS in Cardiopulmonary Assessment (ARCTICA). *Journal of Point of Care Ultrasound*. 2020;5(2):55-68. https://doi.org/10.24908/pocus.v5i2.14452.
- 21. Johri AM, **Grubic N**, Kuljic N, O'Connor M, Graham K, Bennett R, Moulson N. Translation of the Canadian Cardiovascular Society/Canadian Heart Rhythm Society Cardiovascular Screening and Care of Athletes Program into Practice. *Canadian Journal of Cardiology*. 2019;35(7):935-939. https://doi.org/10.1016/j.cjca2019.03.026.

## Manuscripts In Submission (n=12)

- 1. Dabravolskaj J, **Grubic N**, Veugelers PJ, Maximova K. Same data, different conclusions: How energy adjustment choices shape interpretations in meal-based research. *Canadian Journal of Public Health*.
- 2. **Grubic N**, Carsley S, Siddiqi A, Carmeli C, Maximova K. Income Inequalities in Cardiovascular Health Among Children and Adolescents Compared to Young and Middle-Aged Adults in Canada: A Nationwide Trend Analysis, 2007-2019. *Social Science & Medicine*.
- 3. **Grubic N**, Johnston A, Grandi SM. Probabilistic Quantitative Bias Analysis for Misclassification and Uncontrolled Confounding: A Methodological Tutorial Using Real-World Data. *Canadian Journal of Cardiology.*

- 4. Veugelers PJ, **Grubic N**, Dabravolskaj J, Maximova K. The potential impact of a national school food program on dietary intake and inequity among students in Canada. *SSM Population Health*.
- 5. **Grubic N\***, Ge E\* (\*Co-first authors), Zang Z, Campitelli MA, Golding H, Cisse T, Koh M, Lavigne E, Batomen B, Liu J, Wei X. Association Between Air Temperature and COVID-19 Emergency Department Visits in Ontario, Canada: A Population-Based Case-Crossover Study. *International Journal of Hygiene and Environmental Health*.
- 6. Webber C, Konikoff L, Li Wenshan, **Grubic N**, Maxwell CJ, Bush SH, Casey G, Isenburg SR, Tanuseputro P, Qureshi D. Evaluating the joint effects of dementia and frailty on burdensome transitions among long-term care residents in Ontario, Canada. *Journal of the American Geriatrics Society.*
- 7. Johri AM, Hill B, **Grubic N**, Sirwani B, Fraser M, Hetu MF, Douglas P, Fuster V, Ibanez B, Bundgaard H, Sillesen H. The Prevalence of Carotid Subclinical Atherosclerosis According to Age: A Systematic Review and Meta-Analysis of the Young to Middle-Age. *Journal of Clinical Lipidology*.
- 8. Dabravolskaj J, **Grubic N**, Veugelers PJ, Maximova K. Dietary intake and diet quality of Canadian elementary schoolchildren accessing school food programs: a cross-sectional study. *British Journal of Nutrition*.
- 9. Ahmed S, Hussain J, **Grubic N**, Akbari A, Ravani P, Tanupseputro P, Hundemer GL, Ramsay T, Tangri N, Bugeja A, Knoll G, Dhaliwal S, Sood MM. Incident hypertension in young adults with a mild eGFR reduction. *Hypertension*.
- 10. Moledina A, Brouwers M, Myran D, Tanuseputro P, **Grubic N**, Talarico R, Roberts R, Sood MM, Gibb M, Maskerine C, Kendall CE. Mental health encounters in medical school may influence choice in speciality. *Canadian Medical Association Journal*.
- 11. Alkadri J, Audoin SD, McDonald B, **Grubic N**, McIsaac DI. Association between delayed ICU admission and outcomes in patients with frailty undergoing emergency general surgery. *British Journal of Anesthesia*.
- 12. Ge E, Yu C, Lavigne E, Villeneuve PJ, Liu X, **Grubic N**, Luo W, Brook J, Lu Z, Li L, To T. Title: Does early-life exposure to greenness protect against childhood asthma and allergic rhinitis? Insights from an Ontario birth cohort Study. *European Respiratory Journal*.

## **ABSTRACTS & PRESENTATIONS**

\* Indicates that I was the primary presenter

## Abstracts Presented at Scientific Meetings, Peer Reviewed

- \*Grubic N, Carsley S, Siddiqi A, Carmeli C, Maximova K. Income inequality trends in cardiovascular health among Canadian children and youth from 2007-2019 (Poster Presentation). *European Public Health Conference 2025*. November 11-14, 2025.
  - \*Grubic N, Dabravolskaj J, Veugelers PK, Maximova K. School meals and snacks in Canadian primary schools: assessing diet quality among schoolchildren. European Public Health Conference (Poster Presentation). European Public Health Conference 2025. November 11-14, 2025.

- \*Grubic N, Carsley S, Siddiqi A, Carmeli C, Maximova K. Income inequalities in cardiovascular health among young populations: A cross-sectional trend analysis in Canada from 2007 to 2019 (Poster Presentation). *Canadian Cardiovascular Congress* 2025. October 23-26, 2025. https://doi.org/10.1016/j.cjca.2025.08.303
- Carmeli C, **Grubic N**. Eliminating Unhealthy Behaviors in Adolescence to Reduce Diabetes in Adulthood: A Population-Based Cohort Study (Oral Presentation). *Society for Longitudinal and Lifecourse Studies 2025*. September 8-10, 2025. <a href="https://hubble-live-assets.s3.eu-west-1.amazonaws.com/slls/file\_asset/file/1544/ABSTRACT\_BOOK\_2025\_SLLS\_Conference.pdf">https://hubble-live-assets.s3.eu-west-1.amazonaws.com/slls/file\_asset/file/1544/ABSTRACT\_BOOK\_2025\_SLLS\_Conference.pdf</a>
- \*Grubic N, Zang Z, Golding H, Campitelli M, Cisse T, Koh M, Lavigne E, Batomen B, Wei X, Ge E. Ambient Temperature and COVID-19 Emergency Department Visits in Ontario, Canada: A Population-Based Case-Crossover Study with Distributed Lag Non-linear Models (Oral Presentation). *Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology*. August 20, 2025.
- Ge E, Yu C, Lavigne E, **Grubic N**, To T, Villeneuve P, Brook J, Lou W, Liu X, Li L, Lu Z. Early-life Greenness Exposure and Childhood Asthma and Allergic Rhinitis: Findings from An Ontario Birth Cohort (Oral Presentation). *Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology*. August 19, 2025.

Dabravolskaj J, **Grubic N**, Veugelers PJ, Maximova K. Adjusting for meal caloric intake vs. density to assess the quality of specific meals: implications for meal-based nutritional analyses (Oral Presentation). *Canadian Society of Epidemiology and Biostatistics Conference*. August 11-13, 2025.

https://cseb.ca/wp-content/uploads/2025/09/Detailed-Program-and-Orals-2025.pdf

**Grubic N**, Dabravolskaj J, Veugelers PJ, Maximova K. Dietary intake and quality of school meals among Canadian school-aged children: A hierarchical analysis of meal-based dietary data (Poster Presentation). *Canadian Society of Epidemiology and Biostatistics Conference*. August 11-13, 2025.

https://cseb.ca/wp-content/uploads/2025/09/Book-of-abstracts-posters-2025.pdf

Dabravolskaj J, **Grubic N**, Veugelers PJ, Maximova K. The impact of School Food Programs on inequalities in diet quality of elementary school children in Alberta, Canada (Poster Presentation). *Canadian Nutrition Society Conference*. May 8-10, 2025. <a href="https://doi.org/10.1139/apnm-2025-0079">https://doi.org/10.1139/apnm-2025-0079</a>

\*Grubic N, Nihal S, Jelic J, Montague SJ, Aleksova N, Ma I, Belliveau DJ, Kolbenson L, Kanyuka Z, Mulvagh SL, Johri AM. Training non-expert users in cardiopulmonary point-of-care ultrasound using a longitudinal virtual curriculum and tele-consultation model: A multicentre study across Canada (Poster Presentation). *Canadian Society of Echocardiography Echo Weekend*. May 1-3, 2025.

Chronis L, Hill B, Guzman Caballero L, **Grubic N**, Hetu MF, Durbin J, Johri AM. The New York Heart Association Classification Underestimates Eligibility for Therapeutic Treatments in Cardiomyopathy and Heart Failure Patients (Poster Presentation). *American College of Cardiology Scientific Sessions*. March 29-31, 2025. <a href="https://doi.org/10.1016/S0735-1097(25)01964-3">https://doi.org/10.1016/S0735-1097(25)01964-3</a>.

- \*Grubic N, Fraser M, Ford MK, Hill B, Mantella LE, Mihajlovic V, Bennett R, Thornton JS, Syan R, Johri AM. Psychological reactions, perceptions, and opinions of cardiovascular pre-participation screening: A mixed-methods study of young Canadian athletes (Poster Presentation). Canadian Cardiovascular Congress. October 24-27, 2024.https://onlinecjc.ca/article/S0828-282X(24)00799-2/abstract.
  - \*Grubic N, Allan KS, Lin S, Ghamarian E, Dorian P. Incidence and Outcomes of Out-of-Hospital Cardiac Arrest Patients Admitted to the Hospital: A Population-based Cohort Study in Canada from 2013 to 2017 (Poster Presentation). *Canadian Cardiovascular Congress*. October 24-27, 2024. https://onlinecjc.ca/article/S0828-282X(24)00699-8/abstract.
  - \*Grubic N, Dabravolskaj J, Veugelers PJ, Maximova K. The contribution of school meals to the diet quality of children in Canada: A hierarchical analysis of complex dietary data (Poster Presentation). *World Congress of Epidemiology.* September 24-27, 2024.
  - Ge E, Feng H, **Grubic N**, Liu X, Zhang H, Wei Xiaolin, Zhang K, Luo M, Chen L. Long-term effects of coarse particulate matter and modifications by temperature and relative humidity on all-cause mortality in a MDR-TB cohort (Poster Presentation). *European Respiratory Society (ERS) Congress*. September 7-11, 2024. https://doi.org/10.1183/13993003.congress-2024.PA472.
  - Chatterjee S, Bengtson GS, Bowie AC, Qian C, Szabo SM, **Grubic N**, Korenblat Donato BM. Case-Identifying Algorithms of Chronic Kidney Disease for Real-World Evidence Research: A Targeted Literature Review (Poster Presentation). *Internatinoal Society for Pharmacoepidemiology*. August 24-28, 2025. https://onlinelibrary.wiley.com/toc/10991557/2024/33/S2.
  - \*Grubic N, Fraser M, Ford M, Hill B, Mantella L, Mihajlovic V, Bennett R, Thornton JS, Johri AM. Psychological impact and perceptions of cardiovascular pre-participation screening: A mixed-methods study of young Canadian athletes (Poster Presentation). CASEM-AQMS Sport Medicine Conference. May 29, 2024. <a href="https://journals.lww.com/cjsportsmed/fulltext/2024/05000/2024">https://journals.lww.com/cjsportsmed/fulltext/2024/05000/2024</a> casem poster abstracts. 10.aspx
  - \*Grubic N, Allan KS, Lin S, Ghamarian E, Dorian P. Incidence and Outcomes of Out-of-Hospital Cardiac Arrest Across Canada: A 5-year Population-based Cohort Study (Oral Presentation). Society for Epidemiology Research Mid Year Meeting. March 4-5, 2024.
  - https://epiresearch.org/conferences/2024-mid-year-meeting/incidence-and-outcomes-of-out-of-hospital-cardiac-arrest-across-canada-a-5-year-population-based-cohort-study/
- \*Grubic N, Johri AM. Developing Canada's First Centre of Excellence for the Cardiovascular Screening and Care of the Athlete Program (Poster Presentation).
  Innovation Fund Showcase 2023: The Future of Academic Medicine. November 8, 2023. <a href="https://ifpoc.org/2023guality10/">https://ifpoc.org/2023guality10/</a>
  - Hill B, **Grubic N**, Liblik K, Johri AM. Patient involvement in care, psychosocial outcomes, and quality of life in hypertrophic cardiomyopathy: a pilot study (Poster Presentation). *Cardiovascular Network of Canada Expert Knowledge Exchange*. October 24-25, 2023.
  - Fraser M, Hill B, Ford M, Mihajlovic V, Mantella L, Johri AM, **Grubic N**. Psychology of athletic cardiovascular evaluations: The PACE study (Poster Presentation). *Cardiovascular Network of Canada Expert Knowledge Exchange*. October 24-25, 2023.

- \*Grubic N, Hill B, Allan KS, Maximova K, Banack HR, Del Rios M, Johri AM. Mediators of the association between socioeconomic status and survival after out-of-hospital cardiac arrest (Poster Presentation). *Cardiovascular Network of Canada Expert Knowledge Exchange*. October 24-25, 2023.
- Hussain J, **Grubic N**, Akbari A, Canney M, Elliot MJ, Tanuseputro P, Clark EG, Hundemer G, Ramsay T, Tangri N, Knoll G, Sood MM. Early Declines in Kidney Function and Adverse Outcomes in Young Adults (Poster Presentation). *European Renal Association (ERA) Congress*. June 15-18, 2023. <a href="https://doi.org/10.1093/ndt/qfad063c">https://doi.org/10.1093/ndt/qfad063c</a> 2996.
- Webber C, Qureshi D, Maxwell C, **Grubic N**, Isenberg SR, Bush SH, Casey G, Tanuseputro P. The joint association of frailty and dementia on end-of-life burdensome transitions among long-term care residents (Poster Presentation). *Canadian Association for Health Services and Policy Research (CAHSPR) Conference*. May 29-31, 2023.
- \*Grubic N, Allan KS, Drezner JA, Hill B, Johri AM. Public Emotions and Opinions Following the Sudden Cardiac Arrest of a Young Athlete During a Professional Sport Event: A Twitter-based Sentiment Analysis (Poster Presentation). Society for Epidemiologic Research Mid-Year Meeting. February 27-March 3, 2023. <a href="https://epiresearch.org/wp-content/uploads/2023/02/2023-Virtual-Poster-Session-Abstract-Book.pdf">https://epiresearch.org/wp-content/uploads/2023/02/2023-Virtual-Poster-Session-Abstract-Book.pdf</a>.
- Rubens F, Fremes SF, **Grubic N**, Fergusson D, Taljaard M, van Walraven C. Outcomes following Coronary Artery Bypass Grafting with Multiple Arterial Grafting by Pump Status in Men and Women (Poster Presentation). *American Association for Thoracic Surgery Annual Meeting 2023*. May 6-9, 2023.
- Bush SH, Qureshi D, **Grubic N**, Maxwell C, Casey G, Isenberg SR, Tanuseputro P, Webber C. The influence of place of care and disease trajectory on burdensome transitions at the end of life: a population-based retrospective cohort study (Poster Presentation). *European Association for Palliative Care World Congress 2023*. June 15-17, 2023.
- Cui E, Kersche G, **Grubic N**, Hetu MF, Pang SC, Sillesen H, Johri AM. Effect of pharmacologic anti-atherosclerotic therapy on carotid intraplaque neovascularization: A systematic review. *American College of Cardiology 2022 Annual Scientific Sessions*. March 4-6, 2023. <a href="https://doi.org/10.1016/S0735-1097(23)01904-6">https://doi.org/10.1016/S0735-1097(23)01904-6</a>.
- \*Grubic N, Hill B, Allan KS, Johri AM, Brooks SC. Improving community response to out-of-hospital cardiac arrest in low-resource settings: A scoping review (Poster Presentation). CANet Expert Knowledge Exchange. November 17-18, 2022.
  \*1st Place Poster (General Interest Category) at the 2022 CANet Expert Knowledge
  - Hill B, **Grubic N**, Williamson M, Phelan D, Baggish A, Dorian P, Drezner JA, Johri AM. Does cardiovascular preparticipation screening cause psychological distress in athletes: A systematic review (Poster Presentation). *CANet Expert Knowledge Exchange*. November 17-18, 2022.
  - Wang TF, **Grubic N**, Tanuseputro P, Sood MM. Risk of Venous Thromboembolism or Hemorrhage Among Individuals with Chronic Kidney Disease Taking Oral AnticoaguaInt Compared to Low-Molecular-Weight Heparin after a Hip or Knee Arthroplasty (Oral Presentation). *American Society of Hematology Annual Meeting and Exposition*. December 10-13, 2022, https://doi.org/10.1182/blood-2022-162551.

- Corneil H, Liblik K, Varghese SS, Masotti B, Moulson N, McKinney J, Allan KS, Johri AM, **Grubic N**. Shared Decision-making In Athletes Diagnosed With A Cardiovascular Condition: A Scoping Review (Poster Presentation). *American Heart Association Scientific Sessions 2022*. November 5-6, 2022. https://www.ahajournals.org/doi/10.1161/circ.146.suppl 1.10977
- \*Williamson M, **Grubic N**, Johri AM. Community-to-institution Cardiovascular Screening: Validation of an Electrocardiogram Workflow Model (Poster Presentation). *Canadian Cardiovascular Congress* 2022. October 27-30, 2022. <a href="https://doi.org/10.1016/j.cjca.2022.08.078">https://doi.org/10.1016/j.cjca.2022.08.078</a>
- Harasemiw O, Nayak JG, **Grubic N**, Ferguson T, Sood MM, Tangri N. A predictive model for kidney failure after nephrectomy for localized kidney cancer: The Kidney Cancer Risk Equation (Poster Presentation). *American Society of Nephrology Kidney Week. November 3-6, 2022.*
- https://www.asn-online.org/education/kidneyweek/2022/program-abstract.aspx?controlld =3764399.
- Hill B, Williamson M, **Grubic N**, Phelan D, Baggish A, Dorian P, Johri AM. Does Cardiovascular Preparticipation Screening Cause Psychological Distress in Athletes? A Systematic Review (Poster Presentation). *American College of Cardiology 2022 Annual Scientific Sessions*. April 2-4, 2021. https://doi.org/10.1016/S0735-1097(22)02973-4.
- 2021 Belliveau DJ, **Grubic N**, Nihal S, Herr JE, Lam J, Wong S, Gauthier S, Montague SJ, Johri AM. Enhancing Cardiopulmonary Imaging Access to a First Nations Care Setting using Point-of-care Ultrasound and Remote Live-streaming (Poster Presentation). *Canadian Cardiovascular Congress 2021*. October 20-23, 2021. <a href="https://www.onlinecjc.ca/article/S0828-282X(21)00477-3/fulltext">https://www.onlinecjc.ca/article/S0828-282X(21)00477-3/fulltext</a>.
  - \*Grubic N, Peng Y, Walker M, Brooks SC. Bystander cardiopulmonary resuscitation and automated external defibrillator use after out-of-hospital cardiac arrest: uncovering differences in care and survival across the urban-rural spectrum (Poster Presentation). *European Society of Cardiology Congress 2021*. August 27-30, 2021. https://doi.org/10.1093/eurhearti/ehab724.0659.
  - \*Grubic N, Hill B, Phelan D, Baggish A, Dorian P, Johri AM. The role of bystander-initiated basic life support in exercise-related sudden cardiac arrest: a systematic review (Poster Presentation). *European Society of Cardiology Congress* 2021. August 27-30, 2021. <a href="https://doi.org/10.1093/eurheartj/ehab724.0653">https://doi.org/10.1093/eurheartj/ehab724.0653</a>.
  - Wong S, Nihal S, Wu L, Ocran E, Cenkowski M, **Grubic N**, Pang S, Johri AM. Point-of-Care Ultrasound Teaching to Medical Students during a Pandemic: Conventional and Virtual Teaching (Poster Presentation). *American Society of Echocardiography Scientific Sessions 2021*. June 18-22, 2021. https://doi.org/10.1016/j.echo.2021.04.012.
  - \*Grubic N, Nihal S, Herr J, Lam J, Wong S, Belliveau D, Gauthier S, Montague S, Johri AM. Accelerated Remote Consultation by Tele-POCUS in Cardiopulmonary Assessment (ARCTICA): A Proof-of-Concept Study (Poster Presentation). *American Society of Echocardiography Scientific Sessions 2021* (ePoster Presentation). June 18-22, 2021. https://doi.org/10.1016/j.echo.2021.04.012. https://youtu.be/128UlgLhVE0
  - \*Grubic N, Hill B, Baggish A, Dorian P, Phelan D, Johri AM. The role of bystander-initiated basic life support in exercise-related sudden cardiac arrest: A

- systematic review (Oral Presentation). *Department of Emergency Medicine RJ Brison Research Day* 2021. April 1, 2021. <a href="https://youtu.be/M4c1WjA5BwU">https://youtu.be/M4c1WjA5BwU</a>.
- \*Grubic N, Peng YP, Walker M, Brooks SC. Bystander-initiated cardiopulmonary and defibrillation after out-of-hospital cardiac arrest: Uncovering disparities in care and survival across the urban-rural spectrum (Oral Presentation). *Department of Emergency Medicine RJ Brison Research Day 2021*. April 1, 2021. https://youtu.be/JITLII0-Xws.
- Hill B, **Grubic N**, Baggish A, Dorian P, Phelan D, Johri AM. The role of bystander-initiated basic life support in exercise- and sports-related sudden cardiac arrest: A systematic review (Oral Presentation). *Inquiry*@Queen's *Undergraduate Research Conference*. February 12, 2021. https://doi.org/10.24908/igurcp.14582.
- \*Grubic N, Peng YP, Walker M, Brooks SC. Bystander-initiated cardiopulmonary and defibrillation after out-of-hospital cardiac arrest: Uncovering disparities in care and survival across the urban-rural spectrum (Oral Presentation). *Ottawa Student Emergency Medicine Conference* 2021. January 16, 2021. https://youtu.be/E34XinPQHpM.
- \*Grubic N, Leaman P, Salata C, Snetsinger B, Johri AM. Feasibility and Comparison of Pulmonary Pressure Estimation Techniques in Doppler Exercise Echocardiography (Poster Presentation). *American Society of Echocardiography Scientific Sessions 2020*. August 10, 2020. <a href="https://doi.org/10.1016/j.echo.2020.04.015">https://doi.org/10.1016/j.echo.2020.04.015</a>. <a href="https://youtu.be/-BLVIhBceVM">https://youtu.be/-BLVIhBceVM</a>.
- 2019 \*Grubic N, Johri AM, Kuljic N, O'Connor M, Graham K, Bennett R, Moulson N. Implementation of Canada's First Cardiovascular Screening and Care of Athletes Program. Ontario Medical Association SportsMed 2019 (Oral Presentation). January 25th, 2019.

## Workshops and Panel Sessions at Scientific Meetings, Peer Reviewed

- \*Grubic N (Panel Presenter), Pezzullo A, Pikhart H, Vuorinen AL, Chilunga F, Küçükali H. Advancing public health epidemiology: applications of machine learning and causal inference methods (Workshop). *European Public Health Conference 2025.* November 11-14, 2025.
  - \*Grubic N (Panel Presenter), Vaka R, Anand S, Mulvihill E, Stewart D, Adreak N, Banks L, Goodman S, Johnston A, Singer Z. From Molecules to Millions: Bridging the Continuum of Basic Science, Clinical Care, and Population Health in Cardiovascular Research (Workshop). *Canadian Cardiovascular Congress 2025*. October 23, 2025.
- \*Grubic N (Panel Presenter), Randhawa V, Johnston A, Avram R, Goodman S, Humphries K, Zieroth S, Johri A, Perry R, Banack H, Allan K. Heart of the Matter: Unravelling and Overcoming "Bias" in Cardiovascular Research (Workshop). *Vascular 2023*. October 26, 2023.
- \*Grubic N (Panel Presenter), Johri AM, Nihal S, Davies R, Kilabuk E, De Wit F. Challenges and Solutions for Delivering Cardiac Care in the North (Workshop). Canadian Cardiovascular Congress 2021. October 22, 2021. https://www.youtube.com/watch?v=8h1O8RkivJk.

\*Grubic N (Panel Presenter), Johri AM, McKinney J, Poirier P, Philipon F, Cases MR, Dorian P, Moulson F, Fournier A. Shared Decision Making is the New Paradigm Towards Screening and Care of the Athlete: A Case Based Translation of the CCS/CHRS Joint Position Statement (Workshop). Canadian Cardiovascular Congress 2019. October 25, 2019.

## **Invited Presentations at Scientific Meetings**

- \*Grubic (Panel Presenter), Mantella LE, Perry R, Berbach L, Beaulieu J, Hatami S, Janzen M. Winning Scholarships: Crafting a Compelling Proposal for Success (Panel Presentation). Canadian Cardiovascular Congress 2025. October 23, 2025.
- \*Grubic N (Panel Presenter), Krahn AD, Marquis-Gravel G, Belley-Cote EP, Cui E, Hill B, Sadasivan C, Yim J. Getting to the Heart of Being a Successful Cardiovascular Research (Panel Presentation). *Canadian Cardiovascular Congress 2024*. October 24, 2024.
- \*Grubic N. Remote Support Interventions to Improve Access to Ultrasound Services in Remote Communities: Barriers, Achievements, and Future Directions (Oral Presentation). 2022 Toronto Perioperative Echo Symposium. October 30, 2022. <a href="https://youtu.be/BiT7tGUEHjk">https://youtu.be/BiT7tGUEHjk</a>
- 2019 \*Grubic N. Canada's First Center of Excellence: Implementation and Development of the CSCAP at Queen's University (Oral Presentation). Canadian Heart Rhythm Society Annual General Meeting 2019. September 14, 2019.

# Other Presentations at Scientific Meetings

- 2023 Hill B, Liblik K, **Grubic N**, Johri AM. Hypertrophic cardiomyopathy patient's involvement in care: Relationship to psychosocial outcomes and quality-of-life assessment (Poster Presentation). *Queen's University Life Sciences Research Poster Day*. April 4, 2023.
- \*Grubic N. The Bystander Response: Cardiac Arrest and Pre-Hospital Care Along the Urban-Rural Spectrum (Oral Presentation). *Queen's University 3-Minute Thesis (3MT)*. March 18, 2021. https://youtu.be/gODt\_0UpmEo.
- 2019 \*Grubic N, Johri AM, Kuljic N, O'Connor M, Graham K, Bennet R, Moulson N. Implementation of Canada's First Cardiovascular Screening and Care of Athletes Program (Oral Presentation). Community and Athletic Cardiovascular Health Consortium. October 5, 2019. <a href="https://youtu.be/17Zqq9QJajk">https://youtu.be/17Zqq9QJajk</a>.
  - \*Grubic N, Leaman P, Salata C, Snetsinger B, Johri AM. Stress Echocardiography for Pulmonary Hemodynamic Assessment (SEPHA) (Poster Presentation). *Queen's University Life Sciences Research Poster Day*. March 29, 2019.

# **Moderation or Chairing of Sessions at Scientific Meetings**

2022 **Grubic N**, Vervoort D, Clarke B, Sun L, Van Spall H. From Bedside to Back Home: The Role of Cardiovascular Health Services Research To Improve Patient and Population Health. *Canadian Cardiovascular Congress 2022*. October 27, 2022.

- 2021 **Grubic N**, Hatami S, Al-Khalaf M, Edwards J, Kaul P. Epidemiological and Basic Science Research in Cardiovascular Sciences. *Canadian Cardiovascular Congress 2021*. October 22, 2021.
  - **Grubic, N.** Multidisciplinarity, Collaboration, and Working Beyond Boundaries During the COVID-19 Pandemic. *Scholarship Beyond Boundaries Conference Keynote Panel*. March 21, 2021.
- 2020 **Grubic N**, Boczar K, Yang L, Ezekowitz J, Tsuyuki R, Edwards J. Epidemiology and Statistics in Cardiovascular Research. *Canadian Cardiovascular Congress 2020*. October 24, 2020.
  - **Grubic N**, Nguyen Q, Harriman ME, Pickering G, Taylor K, West L, Lopaschuk G. Grant Writing Workshop. *Canadian Cardiovascular Congress 2020*. October 24, 2020.

#### **RESOURCES**

Racial Considerations in Epidemiological Research Module – Race in Epidemiology (RaCE) Task Force (Member). <a href="https://thephssa.wixsite.com/phssa/general-9-1">https://thephssa.wixsite.com/phssa/general-9-1</a>.

MEDIA INTERVIEWS & COMMENTS		
June 2025	Medscape - Improving 56 Risk Factors Might Avert 40%-63% of Sudden Cardiac Arrests.  https://www.medscape.com/viewarticle/improving-56-risk-factors-might-avert-40-63-sudden-cardiac-2025a1000f2v.	
September 2024	Fox 26 Houston Morning Show - Mobile phone use and cardiovascular disease. <a href="https://youtu.be/l-LETFY_clc?si=2gShvEXT1qBCtXhq">https://youtu.be/l-LETFY_clc?si=2gShvEXT1qBCtXhq</a> .	
September 2024	Medscape - Regular Cell Phone Use Linked to Higher Heart Disease Risk <a href="https://www.medscape.com/viewarticle/regular-cell-phone-use-linked-higher-heart-disease-risk-2024a1000g52">https://www.medscape.com/viewarticle/regular-cell-phone-use-linked-higher-heart-disease-risk-2024a1000g52</a> .	
Aug 2021	Invited Podcast Guest – Peep the Process Podcast (Did Sports Change Forever?). https://peeptheprocess.buzzsprout.com/1155302/9023957-did-sports-change-forever.	

#### OTHER PRESENTATIONS & APPEARANCES

Mar 2025

Leveraging Epidemiology Geospatial Data to Promote Population Health Research - Ambient temperature and COVID-19 emergency department visits in Ontario, Canada: A population-based case-crossover study with distributed lag nonlinear models.

https://www.dlsph.utoronto.ca/event/leveraging-epidemiological-and-geospatial-data-to-promote-population-health-research/

Feb 2025	PHSA/DELTA Epi Lunch and Learn: Data Sources in Public Health. Speaking on Health Administrative Data and Claims Data.
Oct 2024	Breaking Down Bias: Identifying, Evaluating, and Mitigating Bias in Cardiovascular Research - Canadian Cardiovascular Society Trainee Research Methods Lecture Series <a href="https://youtu.be/Xjli-kAlX80">https://youtu.be/Xjli-kAlX80</a>
Jan 2024	CANet CHAT Trainee Feature - Nicholas Grubic. <a href="https://canetinc.ca/trainees/member/nicholas-grubic/">https://canetinc.ca/trainees/member/nicholas-grubic/</a> .
Aug 2021	Podcast Co-host – Journal of the American Society of Echocardiography Podcast Episode 5 (Echocardiographic Correlates of In-Hospital Death in Patients with Acute COVID-19 Infection: The World Alliance Societies of Echocardiography Study). <a href="https://youtu.be/LZ_qi0eITIY">https://youtu.be/LZ_qi0eITIY</a> .
July 2021	Podcast Co-host – Journal of the American Society of Echocardiography Podcast Episode 5 (Natural History of Moderate Aortic Stenosis with Preserved and Low Ejection Fraction). <a href="https://youtu.be/oj9oNDJJPX4">https://youtu.be/oj9oNDJJPX4</a> .
May 2021	Moderator – Building Your Best CV: Tips and Tricks for Publishing and Grant Writing. Science to Business Network.
Apr 2021	Moderator – Scientific Writing in Industry: Why You Should Step Up Your Writing Skills. Science to Business Network.
August 2020	Moderator – Cultivating a Career in the Cannabis Industry. Science to Business Network.
February 2019	Implementation of Canada's First Cardiovascular Screening and Care of Athletes (CSCAP) Program. <a href="https://youtu.be/d2BQXy8i67g">https://youtu.be/d2BQXy8i67g</a> .

## **NON-ACADEMIC ARTICLES**

- Vasigh N, Grubic N. From Anxiety to Assurance: Rethinking Cardiovascular Pre-Participation Screening for Athletes. British Journal of Sports Medicine Blog. May 30, 2025.
  - https://blogs.bmj.com/bjsm/2025/05/30/from-anxiety-to-assurance-rethinking-cardiovascular-pre-participation-screening-for-athletes/.
- 2. Hill B, **Grubic N**, Johri AM. Does cardiovascular preparticipation screening cause psychological distress in athletes? *British Journal of Sports Medicine Blog*. January 16, 2023.
  - https://blogs.bmj.com/bjsm/2023/01/16/does-cardiovascular-preparticipation-screening-cause-psychological-distress-in-athletes/.
- 3. **Grubic N**, Jain S, Mihajlovic V, Thornton JS, Johri AM. Competing against COVID-19: have we forgotten about student-athletes' mental health? *British Journal of Sports Medicine Blog*. March 18, 2021.
  - https://blogs.bmj.com/bjsm/2021/03/18/competing-against-covid-19-have-we-forgotten-about-student-athletes-mental-health/.
- 4. **Grubic N**. Stephen Hawking: The Universe Does Not Forget, and Neither Will We. *Queen's Science Undergraduate Research Journal*, 2:23. https://ois.library.gueensu.ca/index.php/gsuri/article/view/14012/9199.

#### **TEACHING EXPERIENCE**

## <u>Teaching Assistant:</u> Undergraduate-level Courses

- GLPH 471: Advanced Global and Population Health (Queen's University Winter 2020)
- GLPH 271: Global and Population Health (Queen's University Winter 2020)

## Teaching Assistant: Graduate-level Courses

- EPID 821: Introductory Biostatistics (Queen's University Fall 2020)
- EPID 804: Intermediate Epidemiology (Queen's University Winter 2021)

## SUPERVISORY & ACADEMIC ADVISORY EXPERIENCE

Sept 2024-Jan 2025 Anhadh Law (Queen's University BScH '27)

• Role: Undergraduate research student supervisor

May 2024-Aug 2024 John McCleary (Queen's University BScH '25)

• Role: Undergraduate independent study supervisor

July 2023-Feb 2024 Mia Gilbart (Nyack High School '25)

Role: Science research program mentor

Sept 2023-Apr 2024 Matthew Fraser (Queen's University BScH '24)

- Role: Undergraduate thesis supervisor
- Research Accomplishments:
  - o Second-author on original article published in the British Journal of Sports Medicine
  - o Co-author on letter to the editor published in the Canadian Journal of Cardiology
  - Abstract accepted to 2023 CANet Expert Knowledge Exchange (first-author), 2024 CASEM Annual Symposium, and 2024 Canadian Cardiovascular Congress
- Position/Academic Program after Graduation:
  - Research Assistant University of British Columbia (provided reference)

## Sept 2021-Sept 2023 Heidi Corneil (Queen's University BScH '22)

- Role: Undergraduate independent study supervisor
- Research Accomplishments:
  - o Abstract accepted to the 2022 American Heart Association Scientific Sessions (first-author)
  - First-author on scoping review published in Current Problems in Cardiology
- Position/Academic Program after Graduation:
  - o MD Northern Ontario School of Medicine

Feb 2021-Aug 2023 Matthew Williamson (Queen's University BScH '22)

- Role: Undergraduate thesis supervisor
- Accomplishments:
  - o Abstract accepted to the 2022 Canadian Cardiovascular Congress (first-author)
  - o Third-author on systematic review published in the British Journal of Sports Medicine
  - o First-author on original article published in the Journal of Electrocardiography
- Position/Academic Program after Graduation:
  - o Master of Physiotherapy Dalhousie University (provided reference)

## Sept 2020-Aug 2023 Braeden Hill (Queen's University BHSc '23)

- Role: Undergraduate research student supervisor.
- Accomplishments:
  - Abstracts accepted to the CANet Expert Knowledge Exchange (first-author), American College of Cardiology 2022 Annual Scientific Session (first-author), and Inquiry@Queen's Undergraduate Research Conference (first-author)
  - o First-author on systematic review published in the British Journal of Sports Medicine
- Position/Academic Program after Graduation:
  - Research Assistant Queen's University Department of Medicine
  - o MD/PhD University of Toronto (provided reference)

## May 2020-May 2021 Shagun Jain (Queen's University BKin '22)

- Role: Research adviser.
- Accomplishments:
  - Second-author on editorial published in the British Journal of Sports Medicine
- Position/Academic Program after Graduation:
  - o MD McMaster University

## Sept 2019-Oct 2020 Jake Puskas (Queen's University BScH '20)

- Role: Research adviser.
- Accomplishments:
  - Second-author on review article published in Current Cardiology Reports
- Position/Academic Program after Graduation:
  - o MSc Biology Lakehead University (provided reference)

#### SOFTWARE EXPERIENCE

SAS Statistical Software iDataFax Data Management Software

SPSS Statistical Software Microsoft Office

EchoPAC Clinical Workstation Software Joinpoint Statistical Software

R Statistical Software Covidence Systematic Review Software

# STATA Statistical Software