

Rohin Jayaram Krishnan, MD MSc
rohin.krishnan@yale.edu

EDUCATION

University of Hawai'i, John A. Burns School of Medicine (JABSOM) 2018-2022
Honolulu, HI, USA

MSc. Epidemiology and Biostatistics 2014-17
Western University, London, Ontario, Canada

B.Sc. Honors Double Major Medical Science & Biology 2010-14
Western University, London, Ontario, Canada

CURRENT RESEARCH POSITIONS

Research Assistant 2017-Present
Center for Medical Evidence, Decision Integrity and Clinical Impact
Department of Anesthesia and Perioperative Medicine
Western University, London, Ontario, Canada
Supervisor: Dr. Janet Martin
https://www.schulich.uwo.ca/medici/about_us/our_team.html

Research Assistant 2019-Present
Syncope Research Group
Department of Emergency Medicine, The Ottawa Hospital Research Institute
Ottawa, Canada
Supervisor: Dr. Venkatesh Thiruganasambandamoorthy
<http://www.ohri.ca/profile/vthiruganasambandamoorthy/group-members>

PRIOR RESEARCH EXPERIENCE

Casual Research Analyst 2016-18
Centre for Addiction and Mental Health, Toronto, Ontario
Supervisor: Dr. Michael Roerecke
- Screened and extracted data for several reviews examining the impact of alcohol use and health outcomes

Clinical Research Assistant 2016-17
Department of Otolaryngology and Head and Neck Surgery
St. Joseph's Hospital, London, Ontario, Canada
Supervisor: Dr. Leigh Sowerby
- Performed duties related to patient enrolment in clinical trials, data collection, grant/ethics submission, data analysis, and knowledge translation

PUBLICATIONS

Peer Reviewed Journal Articles

van de Kuit, A., **Krishnan, R.J.**, Mallee, W.H., Goedhart, L.M., Lambert, B., Doornberg, J.N., & Martin, J. (2022, Jan). Surgical site infection after wound closure with staples versus sutures in elective knee and hip arthroplasty: a systematic review and meta-analysis. *Athroplasty*, 4(1), 12. Cited in PubMed; PMID: 35241172. Pub Status: Published.

Krishnan, R.J., Mukarram, M., Ghaedi, B., Sivilotti, M.L.A., Le Sage, N., Yan, J.W., Huang, P., Hegdekar, M., Mercier, E., Nemnom, M.J., Calder, L., McRae, A.D., Rowe, B.H., Wells, G.A., & Thiruganasambandamoorthy, V. (2020, Oct). Benefit of hospital admission for detecting serious adverse events among emergency department patients with syncope: a propensity-score-matched analysis of a multicentre prospective cohort. *CMAJ*, 192(41), E1198. Cited in PubMed; PMID: PMC7588246. Pub Status: Published.

Krishnan, R.J., Crawford, E.J., Syed, I., Kim, P., Rampersaud, Y.R., & Martin, J. (2019, May). Is the Risk of Infection Lower with Sutures than with Staples for Skin Closure After Orthopaedic Surgery? A Meta-analysis of Randomized Trials. *Clin Orthop Relat Res*, 477(5), 922-927. Cited in PubMed; PMID: 30958392. Pub Status: Published.

Ryan, B.L., **Krishnan, R.J.**, Terry, A., & Thind, A. (2019, May). Do four or more antenatal care visits increase skilled birth attendant use and institutional delivery in Bangladesh? A propensity-score matched analysis. *BMC Public Health*, 19(1), 583. Cited in PubMed; PMID: 31096959. Pub Status: Published.

Sahovaler, A., **Krishnan, R.J.**, Zhou Q., Fung K., Yoo, J., Nichols, A., & MacNeil, S.D. (2019, Apr). Risk Factors and Outcomes of Metastatic Cutaneous Squamous Cell Carcinoma in the Head and Neck Region: Systematic Review and Meta-Analysis. *JAMA Otolaryngol*, 145(4), 352-360. Cited in PubMed; PMID: 30844021. Pub Status: Published.

Rai, S., Sidhu, A., & **Krishnan, R.J.** (2018, Aug). Transfusion-associated necrotizing enterocolitis re-evaluated: a systematic review and meta-analysis. *J Perinat Med*, 46(6), 665-676. Cited in PubMed; PMID: 29068791. Pub Status: Published.

Hosseini-Moghaddam, S.M., **Krishnan, R.J.**, Guo, H., & Kumar, D. (2018, Aug). Cytomegalovirus Infection and Graft Rejection as Risk Factors for Pneumocystis Pneumonia in Solid Organ Transplant Recipients: A Systematic Review and Meta-Analysis. *Clin Transplant*, 32(8), e13339. Cited in PubMed; PMID: 29956379. Pub Status: Published.

Roerecke, M., Tobe, S.W., Kaczorowski, J., Bacon, S.L., Vafaei, A., Hasan, O.S.M., **Krishnan, R.J.**, Raifu, A.O., & Rehm, J. (2018, Jun). Sex-specific associations between alcohol consumption and incidence of hypertension: a systematic review and meta-analysis of cohort studies. *J Am Heart Assoc*, 7(13), e008202. Cited in PubMed; PMID: 29950485. Pub Status: Published.

Krishnan, R.J., Uruthiramoorthy, L., Jawaid, N., Steele, M., & Jones, D.L. (2018, Jun). Mentoring Needs of Distributed Medical Education Faculty at One Canadian Medical School: A Mixed Method Study. *Can J Rural Med*, 23(3), 68-75. Cited in PubMed; PMID: 29905144. Pub Status: Published.

Scott, J.R., **Krishnan, R.J.**, Rotenberg, B.W., & Sowerby, L.J. (2017, Nov). The effectiveness of topical colloidal silver in recalcitrant chronic rhinosinusitis: a randomized crossover control trial. *J Otolaryngol Head Neck Surg*, 46(1), 64. Cited in PubMed; PMID: 29178954. Pub Status: Published.

Chong, M.A., **Krishnan, R.J.**, Cheng, D., & Martin, J. (2018, Feb). Should Transfusion Trigger Thresholds Differ for Critical Care versus Perioperative Patients? A Meta-Analysis of Randomized Trials. *Crit Care Med*, 46(2), 252-263. Cited in PubMed; PMID: 29189348. Pub Status: Published.

Best, C.A.E., **Krishnan, R.J.**, Malvankar-Mehta, M.S., & MacNeil, S.D. (2017, Oct). Echocardiogram Changes Following Parathyroidectomy for Primary Hyperparathyroidism: A Systematic Review and Meta-analysis. *Medicine*, 96(43), e7255. Cited in PubMed; PMID: 29068975. Pub Status: Published.

Krishnan, R.J., MacNeil, S.D., & Malvankar-Mehta, M.S. (2016, Jan). Comparing sutures versus staples for skin closure after orthopedic surgery: systematic review and meta-analysis. *BMJ Open*, 6(1), e009257. Cited in PubMed; PMID: 26792213. Pub Status: Published.

Peer Reviewed Abstracts

Thiruganasambandamoorthy, V., **Krishnan, R.J.**, Kwong, K., Krahn, A., Swampillai, J., Hazra, S., Sumner, G., Kuriachan, V., Toarta, C., Chaudry, H., Kim, S.M., Mukarram, M., Sheldon, R., & Taljaard, M. (2020, May). Short-Term Outcomes Among Emergency Department Patients Presenting with Syncope and Atrial Fibrillation/Flutter. *Acad Emerg Med*, 27(S1), S7-S316

Krishnan, R.J., Mukarram, M., Ghaedi, B., Sivilotti, M.L.A., Le Sage, N., Yan, J.W., Huang, P., Hegdekar, M., Mercier, E., Nemnom, M.J., Calder, L., McRae, A.D., Rowe, B.H., Wells, G.A., & Thiruganasambandamoorthy, V. (2020, May). Role of hospitalization for detection of serious adverse events among emergency department patients with syncope: a propensity-score matched analysis of a multicenter prospective cohort [ABSTRACT]. *CJEM*, 22(S1), S10. Pub Status: Published.

Krishnan, R.J., Chong, M., & Martin, J. (2016, Jun). Antibiotics versus Appendectomy for Uncomplicated Appendicitis: A Global Health Perspective [ABSTRACT]. *Am J Epidemiol*, 184(1), 78-80. Pub Status: Published.

Hosseini-Moghaddam, S.M., & **Krishnan, R.J.** (2016, Jun). Pneumocystis Pneumonia following Solid Organ Transplantation, Systematic Review-Meta Analysis [ABSTRACT]. *Am J Transplant*, 16(S3), S729. Pub Status: Published.

ORAL PRESENTATIONS

Krishnan, R.J (Presenter)., Mukarram, M., Ghaedi, B., Sivilotti, M.L.A., Le Sage, N., Yan, J.W., Huang, P., Hegdekar, M., Mercier, E., Nemnom, M.J., Calder, L., McRae, A.D., Rowe, B.H., Wells, G.A., & Thiruganasambandamoorthy, V. (2020, June 01). Role of hospitalization for detection of serious adverse events among emergency department patients with syncope: a propensity-score matched analysis of a multicenter prospective cohort. CAEP [Cancelled due to COVID-19]/Ottawa, ON, CAN.

Roerecke, M (Presenter)., Tobe, S.W., Kaczorowski, J., Bacon, S.L., Vafaei, A., Hasan, O.S.M., **Krishnan, R.J.**, Raifu, A.O., & Rehm, J. (2017, October 12). The Relationship Between Alcohol Consumption and Sex-Specific Incidence of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Cohort Studies. Canadian Hypertension Congress /Toronto, ON, CAN.

Scott JR (Presenter)., **Krishnan, R.J.**, Rotenberg, B.W., & Sowerby, L.J. (2017, June 12). The effectiveness of topical silver colloid in treating patients with recalcitrant chronic rhinosinusitis. CSOHSN - Annual General Meeting/Saskatoon, SK, CAN.

Chong, M.A (Presenter)., **Krishnan, R.J.**, & Martin, J. (2016, June 26). Transfusion Triggers in Critical Care and Perioperative Patients: A Meta-Analysis of Randomized Trials. [Poster Discussion]. Canadian Anesthesiology Society - Annual Meeting/Vancouver, BC, CAN.

MacNeil, S.D (Presenter)., **Krishnan, R.J.**, Malvankar-Mehta, M.S., Costella, J., & Yoo, J. (2016, July 17). Does Parathyroidectomy Reverse Mortality Risk in Patients with Primary Hyperparathyroidism? A Systematic Review and Meta-Analysis. American Head and Neck Society 9th International Conference/Seattle, WA, USA.

Krishnan, R.J (Presenter)., Chong, M.A., & Martin, J. (2016, June 10). Antibiotics versus Appendectomy for Uncomplicated Appendicitis: A Global Health Perspective. CSEB Biannual Student Conference/Winnipeg, MB, CAN.

Krishnan, R.J (Presenter)., Chong, M.A., & Martin, J. (2016, March 29). Antibiotics versus Appendectomy for Uncomplicated Appendicitis: A Global Health Perspective [Oral Presentation]. London Health Research Day Annual Conference /London, ON, CAN.

POSTER PRESENTATIONS

Krishnan, R.J., Mukarram, M., Ghaedi, B (Presenter)., Sivilotti, M.L.A., Le Sage, N., Yan, J.W., Huang, P., Hegdekar, M., Mercier, E., Nemnom, M.J., Calder, L., McRae, A.D., Rowe, B.H., Wells, G.A., & Thiruganasambandamoorthy, V. (2019, September 12). Benefit of Hospitalisation for Emergency Department Patients with Syncope: A Propensity-Score Matched Analysis of a Multicenter Prospective Cohort [Poster presented]. CANet HQP Symposium/Montreal, QC, CAN.

Krishnan, R.J (Presenter)., Mukarram, M., Ghaedi, B., Sivilotti, M.L.A., Le Sage, N., Yan, J.W., Huang, P., Hegdekar, M., Mercier, E., Nemnom, M.J., Calder, L., McRae, A.D., Rowe, B.H., Wells, G.A., & Thiruganasambandamoorthy, V. (2019, September 07). Benefit of Hospitalisation for Emergency Department Patients with Syncope: A Propensity-Score Matched Analysis of a Multicenter Prospective Cohort [Poster presented]. Hawaii Health Workforce Summit/Honolulu, HI, USA.

Thiruganasambandamoorthy, V., **Krishnan, R.J.**, Ameri, S (Presenter)., Kwong, K., Swampillai, J., Toarta, C., Sumner, G.L., Kuriachan, V.P., Sheldon, R., Chaudry, H., Hazra, S., Kim, S.M., Mukarram, M., & Taljaard, M. (2019, September 12). Short-term Arrhythmia Among Emergency Department Syncope Patients with Atrial Fibrillation [Poster presented]. CANet HQP Symposium/Montreal, QC, CAN.

Krishnan, R.J (Presenter)., Crawford, E.J., Syed, I., Kim, P., Rampersaud, Y.R., & Martin, J. (2019, April 25). Is the Risk of Infection Lower with Sutures than with Staples for Skin Closure After Orthopaedic Surgery? A Meta-analysis of Randomized Trials [Poster presented]. University of Hawaii Biomedical Sciences and Health Disparities Symposium/Honolulu, HI, USA.

Sahovaler, A (Presenter)., **Krishnan, R.J.**, Zhou, Q., Fung, K., Yoo, J., Nichols, A., & MacNeil, S.D. (2018, June 18). Risk Factors and Outcomes of Metastatic Cutaneous Squamous Cell Carcinoma in the Head and Neck Region: Systematic Review and Meta-Analysis. [Poster presented]. CSOHS Annual General Meeting/Quebec City, QC, CAN.

Sahovaler, A (Presenter)., **Krishnan, R.J.**, Zhou, Q., Fung, K., Yoo, J., Nichols, A., & MacNeil, S.D. (2018, April 19). Risk Factors and Outcomes of Metastatic Cutaneous Squamous Cell Carcinoma in the Head and Neck Region: Systematic Review and Meta-Analysis. [Poster presented]. AHNS Annual Meeting/Baltimore, MD, USA.

Vafaei, A (Presenter)., Roerecke, M., Tobe, S.W., Kaczorowski, J., Bacon, S.L., Hasan, O.S.M., **Krishnan, R.J.**, Raifu, A.O., & Rehm, J. (2018, June 20). Sex-Specific Association Between Alcohol Consumption and Incidence of Hypertension: A Systematic Review and Meta-Analysis of Cohort Studies: A Systematic Review and Meta-Analysis of Cohort Studies. [Poster presented]. Society of Epidemiologic Research Annual Meeting/Baltimore, MD, USA.

Krishnan, R.J., Crawford, E.J., Syed, I (Presenter)., Kim, P., Rampersaud, Y.R., & Martin, J. (2018, May 10). Is the Risk of Infection Lower with Sutures than with Staples for Skin Closure After Orthopaedic Surgery? A Meta-analysis of Randomized Trials [Poster presented]. London Health Research Day/London, ON, CAN.

Hosseini-Moghaddam, S.M (presenter)., & **Krishnan, R.J.** (2016, June 14). Pneumocystis Pneumonia following Solid Organ Transplantation, Systematic Review-Meta Analysis [Poster presented]. American Transplant Congress/Boston, MA, USA.

Krishnan, R.J (Presenter)., Jones, D.L., Jawaid, N., Porcellato, R., & Steele, M. (2016, May 06). Mentoring Needs of Distributed Medical Education Faculty at One Canadian Medical School: A Mixed Method Study. [Poster presented]. Canadian Society of Rural Physicians /Charlevoix, QC, CAN.

Chong, M.A (Presenter)., **Krishnan, R.J.**, & Martin. J. (2016, April 09). Transfusion Triggers in Critical Care and Perioperative Patients: A Meta-Analysis of Randomized Trials [Poster presented]. Midwest Anesthesia Resident Conference /Minneapolis, MN, USA.

INVITED TALKS

Krishnan, R.J. (Presenter). (2021, August 08). Does Physiology Always Support Evidence-Based Practice in Perioperative and Critical Care Medicine? ASATT Region 7 Conference. Honolulu, HI, USA.

Krishnan, R.J. (Presenter). (2021, 2020 Nov). Primer to clinical research: systematic review and meta-analysis. JABSOM Research Interest Group. Honolulu, HI, USA.

NON-PEER REVIEWED ARTICLES

Krishnan, R.J. (2017, July 05). Maternal Healthcare Utilization Among Muslim Mothers from India, Pakistan, and Bangladesh: Is There Equity? Electronic Thesis and Dissertation Repository. 4613. <https://ir.lib.uwo.ca/etd/461> Pub Status: Published.

Rotenberg, B.W., & **Krishnan, R.J.** (2017, January 19). Mobile Technology and Physician Communication: A New Intersection of Policy and Reality. <http://www.publicsectordigest.com/article/mobile-technology-and-physician-communication-new-intersection-policy-and-reality> Pub Status: Published.

RESEARCH AWARDS

2nd Place for Best Abstract, April 2016: “Transfusion Triggers in Critical Care and Perioperative Patients: A Meta-Analysis,” Midwest Anesthesiology Residents Conference (MARCS).

Best Oral Presentation, March 2016: “Antibiotics versus Appendectomy for Uncomplicated Appendicitis: A Global Health Perspective”, London Health Research Day (LHRD), \$100 Award.

Best Abstract, March 2016. “Antibiotics versus Appendectomy for Uncomplicated Appendicitis: A Global Health Perspective”, London Health Research Day (LHRD), \$700 Award.

SERVICE AND LEADERSHIP

JABSOM Admissions – Interviewer 2021-22

Homeless Outreach Clinic – Student Healthcare Provider 2020-21

- Provided free healthcare to Hawaii’s homeless population

- Gathered patient history, performed the physical exam, created the assessment/plan, and delivered necessary treatments under the supervision of my attending physician(s).

JABSOM Pre-Med Mentorship Program – Mentor 2020

Teen Mentorship Academy – Volunteer 2018-19

- Taught high school students in a health track class at Kailua high school few times each month. Went over various topics such as clinical skills, problem-based learning, and preparing for college
- Also traveled to the outer islands of Hawaii for full-day health camps. Exposed students to exciting clinical topics such as suturing, casting, clinical skills, and infectious disease.

TEACHING EXPERIENCE

Graduate Teaching Assistant 2015
Department of Epidemiology
Western University, London, Ontario

WORK EXPERIENCE

Residence Advisor 2013-14
Western University, London, Ontario