

RITESH MAHARAJ

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[LinkedIn](#)

EMPLOYMENT

Department of Health and Social Care <i>Research Lead, UK Health Security Agency</i>	11/2021-04/2022 <i>London, UK</i>
London School of Economics and Political Sciences (LSE) Department of Health Methodology <i>Graduate Teaching Assistant</i>	09/2021 - Present <i>London, UK</i>
London School of Economics and Political Sciences (LSE) Department of Health Policy <i>PhD Candidate</i>	09/2018 - Present <i>London, UK</i>
King's College London <i>Honorary Senior Clinical Lecturer</i>	2010 - Present <i>London, UK</i>
King's College Hospital NHS Foundation Trust <i>Consultant in Anaesthesia and Intensive Care Medicine</i>	2010 - Present <i>London, UK</i>
Sunnybrook Hospital <i>Clinical Fellow in Critical Care Medicine</i>	2007-2008 <i>Toronto, Canada</i>

EDUCATION

LSE Department of Health Policy <i>MPhil/PhD Health Policy and Economics</i>	2018 - Present <i>London, UK</i>
LSE <i>PG Cert Higher Education</i>	2021 - Present <i>London, UK</i>
LSE Department of Health Policy <i>MSc Health Economics, Policy, and Management</i>	2014 - 2016 <i>London, UK</i>
University of Liverpool <i>PGDip Public Health</i>	2011 - 2013 <i>Distance Learning</i>
University of Melbourne <i>PGDip Perioperative and Critical Care Echocardiography</i>	2005 - 2006 <i>Distance Learning</i>
University of KwaZulu-Natal <i>MBChB, Medicine</i>	1993 - 1999 <i>Durban, South Africa</i>

PUBLICATIONS

PEER-REVIEWED RESEARCH

Maharaj, R., Harrison, D.A., Rowan, K. 2021. The Association Between the Decision to Withdraw Life-Sustaining Therapy and Patient Mortality in U.K. ICUs. *Critical Care Medicine*. [DOI](#)

Maharaj, R., McGuire, A., Street, A. 2021. Association of Annual Intensive Care Unit Sepsis Caseload With Hospital Mortality From Sepsis in the United Kingdom, 2010-2016 *JAMA Network Open*. [DOI](#)

Vlachos, S., Wong, A., Metaxa, V., Canestrini, S., [...] **Maharaj, R.** 2021. Hospital Mortality and Resource Implications of Hospitalisation with COVID-19 in London, UK: A Prospective Cohort Study *Critical Care Research and Practice*. DOI

Maharaj, R., Terblanche, M., Vlachos, S. 2018. The Utility of ICU Readmission as a Quality Indicator and the Effect of Selection*. *Critical Care Medicine*. DOI

Su Win, T., Nizamoglu, M., **Maharaj, R.**, Smailes, S., El-Muttardi, N., Dziewulski, P. 2018. Relationship between multidisciplinary critical care and burn patients survival: A propensity-matched national cohort analysis. *Burns*. DOI

Mackintosh, N., Terblanche, M., **Maharaj, R.**, Xyrichis, A., [...] Sandall, J. 2016. Telemedicine with clinical decision support for critical care: a systematic review. *Systematic Review*. DOI

Maharaj, R., Raffaele, I., Wendon, J. 2015. Rapid response systems: a systematic review and meta-analysis. *Critical Care*. DOI

Goulding, L., Parke, H, **Maharaj, R.**, Loveridge, R., McLoone, A., Hadfield, S., Helme, E., Hopkins, P., Sandall, J. 2015. Improving critical care discharge summaries: a collaborative quality improvement project using PDSA. *BMJ Quality Improvement Reports*. DOI

Maharaj, R. 2012. Diastolic dysfunction and heart failure with a preserved ejection fraction: Relevance in critical illness and anaesthesia. *Journal of the Saudi Heart Association*. DOI

Maharaj, R. 2012. Extravascular Lung Water and Acute Lung Injury. *Cardiology research and practice*. DOI

Maharaj, R. 2011. Vasopressors and the search for the optimal trial design. *Contemporary Clinical Trials*. DOI

Maharaj, R., Metaxa, V. 2011. Levosimendan and mortality after coronary revascularisation: a meta-analysis of randomised controlled trials. *Critical Care*. DOI

Maharaj, R. 2008. A Review of Recent Developments in the Management of Carotid Artery Stenosis. *Journal of Cardiothoracic and Vascular Anesthesia*. DOI

Maharaj, R., Osborne, I. 2007. The King-Denborough syndrome in the paediatric patient. *Southern African Journal of Anaesthesia and Analgesia*. DOI

WORKS IN PROGRESS

Savvas, V., Harrison, D., Menon, D., Rowan, K., Rubinfeld, G., **Maharaj, R.** Early withdrawal of the life-sustaining treatment after out-of-hospital cardiac arrest in the United Kingdom: risk factors, variability, and association with mortality.

Mehta, R., Onatade, R., Savvas, V., Sloss, R., **Maharaj, R.** A comparison of the impact of an electronic prescribing and clinical decision support system versus a paper-based system on pharmacist clinical contributions in Intensive Care.

COMMENTARIES, EDITORIALS, AND LETTERS

Nayagam, J., Jeyaraj, R., Mitchell, T., Walder, D., Al-Agil, M., Shek, A., Barker, R., Teo, J., **Maharaj, R.**, Agarwal, K., Vlachos, S., Joshi, D., McPhaila, M. 2021. Patterns and prediction of liver injury with persistent cholestasis in survivors of severe SARS-CoV-2 infection. *The Journal of Infection*. DOI

Williams, A., Vlachos, S. **Maharaj, R.** 2021. Prognostication after out-of-hospital cardiac arrest: biases and caveats. *European Heart Journal*. DOI

Maharaj, R. 2018. ICU Readmission Is a More Complex Metric Than We First Imagined. *Critical Care Medicine*. DOI

- Maharaj, R.**, Stelfox, H. 2016. Rapid response teams improve outcomes: no. *Intensive Care Medicine*. DOI
- Maharaj, R.**, Pingitore, A., Menon, K., Kane, P., Wendon, J., Bernal, W. 2015. Images of the Month: MDMA-Induced Acute Liver Failure and Transient Abdominal Pneumatosis. *American Journal of Gastroenterology*. DOI
- Hart, E., **Maharaj, R.**, Mushambi, M., May, A. 2007. Uncorrected total anomalous pulmonary venous drainage in pregnancy. *International Journal of Obstetric Anesthesia*. DOI
- Maharaj, R.** 2006. A response to ‘Statin therapy: a potentially useful peri-operative intervention in patients with cardiovascular disease’. *Anaesthesia*. DOI

CONFERENCE PAPERS AND POSTER PRESENTATIONS

- McNelly, A., **Maharaj, R.**, Rawal, J., Shrikrishna, D., Hopkinson, N., Moxham, J., Harridge, S., Hart, N., Montgomery, H., Puthuchery, Z. 2016. Physical activity levels, primary care costs and quality-adjusted life years (QALYs) in survivors of critical illness. *22nd Annual Congress of the European-Respiratory-Society*
- Aron, J., Harrison, S., Milne, A., Patel, S., **Maharaj, R.** 2013. Levosimendan in critically ill adults: a utilisation review. *33rd International Symposium on Intensive Care and Emergency Medicine*. DOI

GRANTS

- Resuscitation Council Research Grant (~ £20,000), Resuscitation Council United Kingdom, 2019
- King’s Improvement Science Award (~ £5,000), King’s Health Partners, 2013
- Cecil Renaud Scholarship, University of KwaZulu-Natal, 1993

TEACHING AND OTHER PROFESSIONAL EXPERIENCE

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| LSE Department of Methodology
<i>Graduate Teaching Assistant, Introductory and Intermediate Quantitative analysis</i>
→ Candidate for the Postgraduate Certificate in Higher Education | 09/2021 - Present
<i>London, UK</i> |
| LSE Journal of Health Policy and Economics
<i>Senior Editor</i> | 03/2020-Present
<i>London, UK</i> |
| Health Policy Journal, JAMA, Critical Care Medicine, Critical Care
<i>Peer-reviewer</i> | 2010-Present
<i>London, UK</i> |
| LSE Department of Health Policy
<i>Moderator, Executive MSc in Health Policy</i> | 06/2021
<i>London, UK</i> |

TECHNICAL SKILLS

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| Computing | Stata, R, Covidence, LaTeX, Microsoft Office, Mendeley, Endnote |
| Methods Training | Regression methods, Multilevel Modelling, Longitudinal Modelling, Multivariate Analysis and Measurement, Advanced Health Economics, Labour Economics, Econometrics, Applied Econometrics, Cost-Effectiveness Analysis, Systematic Review and Meta-Analysis |
| Languages | English (Native), Afrikaans (Fluent) |