

Dr. Daniel Lorber Rolnik
Obstetrics & Gynaecology Monash Health
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Biography

Daniel is an early career researcher and clinical epidemiologist who studied Medicine and specialised in Obstetrics and Gynaecology in Brazil (University of Sao Paulo), subspecialised in Fetal Medicine (Fetal Medicine Foundation / King's College Hospital, London, UK) and in Maternal-Fetal Medicine - High risk pregnancy (Monash University - Australia). He has recently completed a Master in Public Health (MPH) in Epidemiology at Harvard University (USA).

His main research interest is in Obstetrics and Gynaecology, Prevention of pregnancy complications, Prenatal diagnosis and Early pregnancy screening. In the last 5 years, Daniel has authored more than 150 peer-reviewed publications (H-index 30 (Google Scholar), and has published in leading journals including NEJM, Lancet, JAMA, BMJ Open, American Journal of Obstetrics and Gynecology, Obstetrics and Gynecology, Human Reproduction, and Ultrasound in Obstetrics and Gynecology. Daniel recently led and first-authored a European multicentre landmark randomised trial on the prediction and prevention of pre-eclampsia involving nearly 27,000 screened women in 13 hospitals and six European countries. This study, published in NEJM, has changed clinical practice and had over 2000 citations in six years. Daniel is an Associate Professor at Monash University, and recently received the 2023 "Top Australian Researcher in O&G" Award.

Employment

Associate Professor (Research)

Obstetrics & Gynaecology Monash Health
MONASH UNIVERSITY
1 Jan 2024 → present

Research Fellow

Obstetrics & Gynaecology Monash Health
MONASH UNIVERSITY
4 Feb 2019 → present

Consultant in Obstetrics and Gynaecology, Maternal Fetal Medicine

Monash Health
Clayton, Australia
2 Feb 2020 → present

Research outputs

Author Correction: Pre-eclampsia (Nature Reviews Disease Primers, (2023), 9, 1, (8), 10.1038/s41572-023-00417-6)

Dimitriadis, E., Rolnik, D. L., Zhou, W., Estrada-Gutierrez, G., Koga, K., Francisco, R. P. V., Whitehead, C., Hyett, J., da Silva Costa, F., Nicolaides, K. & Menkhorst, E., Dec 2023, In: Nature Reviews Disease Primers. 9, 1, 35.

Changes in practice and management of placenta accreta spectrum disorder: A 20-year retrospective cohort study

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Feasibility of a pregnancy intervention mimicking viral transmission mitigation measures on the incidence of preterm birth in high-risk pregnant women enrolled in antenatal clinics in Melbourne, Australia: protocol for a pilot, randomised trial

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Pre-eclampsia

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CO-Sprout—A Pilot Double-Blinded Placebo-Controlled Randomised Trial of Broccoli Sprout Powder Supplementation for Pregnant Women with COVID-19 on the Duration of COVID-19-Associated Symptoms: Study Protocol

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Elective induction of labour at full-term gestations and childhood school outcomes

Selvaratnam, R. J., Wallace, E. M., Rolnik, D. L., Mol, B. W., Butler, S. E., Bisits, A., Lawson, J. & Davey, M. A., Sept 2023, In: Journal of Paediatrics and Child Health. 59, 9, p. 1028-1034 7 p.

The Predictive Value of Prenatal Cell-Free DNA Testing for Rare Autosomal Trisomies: A Systematic Review and Meta-analysis

Acreman, M. L., Bussolaro, S., Raymond, Y. C., Fantasia, I., Rolnik, D. L. & Costa, F. D. S., Sept 2023, In: Obstetrical and Gynecological Survey. 78, 9, p. 517-519 3 p.

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de Melo, P. F. M. V., Roevers, L., Mendonça, T. M. S., da Silva Costa, F., Rolnik, D. L. & Diniz, A. L. D., 12 May 2023, In: *BMC Pregnancy and Childbirth*. 23, 1, p. 343 1 p.

Balloon Catheters Versus Vaginal Prostaglandins for Labour Induction (CPI Collaborative): An Individual Participant Data Meta-analysis of Randomised Controlled Trials

Jones, M. N., Palmer, K. R., Pathirana, M. M., Cecatti, J. G., Filho, O. B. M., Marions, L., Edlund, M., Prager, M., Pennell, C., Dickinson, J. E., Sass, N., Jozwiak, M., Ten Eikelder, M., Rengerink, K. O., Bloemenkamp, K. W. M., Henry, A., Løkkegaard, E. C. L., Christensen, I. J., Szychowski, J. M., Edwards, R. K., & 9 others Beckmann, M., Diguisto, C., Le Gouge, A., Perrotin, F., Symonds, I., O'Leary, S., Rolnik, D. L., Mol, B. W. & Li, W., May 2023, In: *Obstetrical and Gynecological Survey*. 78, 5, p. 255-257 3 p.

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The accuracy of cell-free DNA screening for fetal segmental copy number variants: A systematic review and meta-analysis

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The need for appropriate language in the debate on medicalisation of pregnancy

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The accuracy of prenatal cell-free DNA screening for sex chromosome abnormalities: A systematic review and meta-analysis

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The predictive value of prenatal cell-free DNA testing for rare autosomal trisomies: a systematic review and meta-analysis

Acreman, M. L., Bussolaro, S., Raymond, Y. C., Fantasia, I., Rolnik, D. L. & Da Silva Costa, F., Mar 2023, In: *American Journal of Obstetrics and Gynecology*. 228, 3, p. 292-305.e6 20 p.

Added prognostic value of Doppler ultrasound for adverse perinatal outcomes: A pooled analysis of three cohort studies
Flanagan, M. F., Vollgraff Heidweiller-Schreurs, C. A., Li, W., Ganzevoort, W., de Boer, M. A., Vazquez-Sarandeses, A., Turan, O. M., Bossuyt, P. M., Mol, B. W. J. & Rolnik, D. L., Feb 2023, In: Australian and New Zealand Journal of Obstetrics and Gynaecology. 63, 1, p. 19-26 8 p.

Perspectives on the Use of Placental Growth Factor (PIGF) in the Prediction and Diagnosis of Pre-Eclampsia: Recent Insights and Future Steps

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Subjective and Objective Sonographic Assessment for the Prenatal Detection of Neonatal Coarctation of the Aorta

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The transvaginal mesh class action: a tertiary teaching hospital experience of all mid-urethral sling procedures performed between 1999 and 2017

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Association between obstetrical anal sphincter injury and postpartum urinary retention: a contemporary nationwide cohort study

Stairs, J., Rolnik, D. L., Pascali, D. & Clancy, A., Dec 2022, In: International Urogynecology Journal. 33, 12, p. 3473-3479 7 p.

Childhood school outcomes for infants born to women with hypertensive disorders during pregnancy

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The kindness COVID-19 toolkit: a mixed-methods evaluation of a programme designed by doctors in training for doctors in training

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Balloon catheters versus vaginal prostaglandins for labour induction (CPI Collaborative): an individual participant data meta-analysis of randomised controlled trials

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Cell-free DNA screening for rare autosomal trisomies and segmental chromosome imbalances

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Increase in preterm stillbirths in association with reduction in iatrogenic preterm births during COVID-19 lockdown in Australia: a multicenter cohort study

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Outcomes following sacrocolpopexy using ultralight and lightweight mesh

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Routine first trimester combined screening for preterm preeclampsia in Australia: A multicenter clinical implementation cohort study

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Evaluating a peer-led wellbeing programme for doctors-in-training during the COVID-19 pandemic in Victoria, Australia, using the Most Significant Change technique

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Widespread Implementation of a Low-Cost Telehealth Service in the Delivery of Antenatal Care During the COVID-19 Pandemic: An Interrupted Time-Series Analysis

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Reply

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Preterm infant outcomes following COVID-19 lockdowns in Melbourne, Australia

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