Stephen Rhodes

Clinical Research Biostatistician III

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Curriculum Vitae

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Experience

2021-present

	Cleveland OH, US	
2019-2021	Postdoctoral Fellow Toronto ON, CA	Rotman Research Institute
2016-2019	Postdoctoral Fellow Columbia MO, USA	University of Missouri
Education		
2012-2016	PhD Cognitive Psychology Edinburgh, UK	The University of Edinburgh
2011-2012	MSc Human Cognitive Neuropsychology Edinburgh, UK	The University of Edinburgh

2008-2011	BSc (hons) Psychology Leeds, UK University of Leeds
Publications	and Preprints
2024	Price transparency of prostate cancer care in the United States: An analysis of pricing and disclosure following the centers for medicare and medicaid mandate A Brant, P Lewicki, S Rhodes, C Arenas-Gallo, MO Strasser, A Zhu, Prostate Cancer and Prostatic Diseases
2024	Uncovering the interhospital price variations for vasectomies in the United States S Mortach, N Sellke, S Rhodes, HH Sun, K Tay, R Abou Ghayda, A Loeb, International Journal of Impotence Research
2024	The Future State of Race/Ethnicity in Urology: Urology Workforce Projection from 2021-2061 A Appleton, K Black, NC Sellke, SL Washington III, S Does, S Rhodes, Urology
2024	Driving time and compliance with postvasectomy semen analysis drop-off B Ward, N Sellke, S Rhodes, H Sun, K Tay, R Abou Ghayda, Urology
2024	High variability in self-pay pricing for vasectomy and vasectomy reversal in the United States A Brant, P Lewicki, A Zhu, S Rhodes, C Arenas-Gallo, JE Shoag, Perspectives on Sexual and Reproductive Health
2024	Legal Outcomes of Litigation after latrogenic Genitourinary Trauma HH Sun, C An, A Drozd, S Rhodes, N Sellke, K Tay, K Mishra, K Scarberry, Urology
2024	Association Between GLP1R Agonists and Prostate, Kidney, and Bladder Cancers L Bukavina, E Helstrom, CJD Wallis, A Fulmes, A Calaway, A Correa, European urology oncology, S
2024	Beyond the kidney: extra-renal manifestations of monogenic nephrolithiasis and their significance CHW Wu, J Badreddine, E Su, K Tay, HTC Lin, S Rhodes, F Schumacher, Pediatric Nephrology
2024	Hypogonadism, frailty, and postoperative outcomes among men undergoing radical nephrectomy Greenberg, SP Rhodes, A Lazarovich, HP Bhambhvani, LC Gago, Journal of surgical oncology

2024	Rates of UTI in Transgender Women Post-Vaginoplasty versus Cisgender Women: A Retrospective Cohort Study in a Large US Health Network. D Gilbert, A Gautam, T Tabernacki, S Rhodes, M McNamara, S Banik, Urology, S
2024	The association of socioeconomic status with semen parameters in a cohort of men in the United States J Badreddine, N Sellke, S Rhodes, N Thirumavalavan, R Abou Ghayda Andrology
2024	The association between frailty, hypogonadism, and postoperative outcomes among men undergoing radical cystectomy DR Greenberg, S Rhodes, HP Bhambhvani, LC Gago, EM Schaeffer, Urologic Oncology: Seminars and Original Investigations
2024	Risk of postoperative mesh exposure following sacrocolpopexy with supracervical versus total concomitant laparoscopic hysterectomy S Glass Clark, CE Bretschneider, MS Bradley, S Rhodes, J Shoag,
	International Urogynecology Journal
2023	Strategic adaptation to dual-task in verbal working memory: Potential routes for theory integration. C Belletier, JM Doherty, AJ Graham, S Rhodes, N Cowan, Journal of Experimental Psychology: Learning, Memory, and Cognition
2023	National adherence to guidelines for antimicrobial prophylaxis for patients undergoing radical cystectomy M Prunty, S Rhodes, MJ Rivero, M Callegari, E Jesse, C Arenas-Gallo,
	The Journal of urology
2023	Is total laparoscopic hysterectomy with longer operative time associated with a decreased benefit compared with total abdominal hysterectomy? N Chakraborty, S Rhodes, D Luchristt, CE Bretschneider, D Sheyn American journal of obstetrics and gynecology
2023	Trends in testosterone prescription during the release of society guidelines N Sellke, D Omil-Lima, HH Sun, K Tay, S Rhodes, A Loeb, International Journal of Impotence Research
2023	How female is the future of urology? Projecting various trajectories of the United States urology workforce EM Jackson, N Sellke, S Rhodes, TK Jella, TB Cwalina, JE Schmidt, Urology
2023	The Variability of Semen Parameters With Sexual Abstinence Using Mail-in Sperm Testing Is Similar to That Seen With Traditional In-Office Semen Analysis J Badreddine, S Rhodes, N Sellke, F Navarrete, S Keller, V Gowda,
	American Journal of Men's Health
2023	Prostate cancer genetic alterations in Hispanic men Lewicki, C Arenas-Gallo, S Rhodes, JA Garcia, I Weinstein, M Prunty, P The Prostate
2023	Trends over 20 years of antimicrobial prophylaxis for artificial urinary sphincter surgery Callegari, E Zhou, S Rhodes, A Brant, E Jesse, M Prunty, Neurourology and Urodynamics
2023	Individual-level home values and cancer mortality in a statewide registry Cullen, DB Miller, DE Spratt, JNCI Cancer Spectrum A Zhu, S Rhodes, W Dong, J Rose, J
2023	Complications following retropubic versus transobturator midurethral synthetic sling placement S Sears, S Rhodes, C McBride, J Shoag, D Sheyn International Urogynecology Journal
2023	Opioid use following pelvic reconstructive surgery: a predictive calculator KM Palm, MK Abrams, SB Sears, SD Wherley, AM Alfahmy, SA Kamumbu, International Urogynecology Journal
2023	There is not enough evidence to support the claim that Covid-19 vaccination BNT162b2 temporarily impairs semen concentration and total motile count S Rhodes, J Badreddine, R Abou Ghayda Andrology
2023	Gallbladder disease in transgender individuals: associations with gender-affirming hormone therapy T Tabernacki, M Loria, S Rhodes, R Pope, S Gupta, S Banik, K Mishra International Journal of Transgender Health

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2023	Trends, cost, and predictors of local hemostatics use in major urological surgery C Arenas-Gallo, P Lewicki, M Prunty, A Brant, S Rhodes, SP Basourakos, Urology Practice
2023	Evaluation of Gastrointestinal Tract Injury within One Year of Surgery for Pelvic Organ Prolapse A Gupta, CE Bretschneider, S Rhodes, J Shoag, C Mcbride, D Sheyn INTERNATIONAL UROGYNECOLOGY JOURNAL
2023	The Racial and Socioeconomic Characteristics of Men Using Mail-in Semen Testing Kits in the United States N Sellke, J Badreddine, S Rhodes, N Thirumavalavan, R Abou Ghayda Urology
2023	Geographic Differences in Semen Quality among a Cohort of American Men Using Mail-in Sperm Testing Kits Y Aznavour, F Navarrete, J Badreddine, PHG Simon, V Gowda, S Rhodes, The World Journal of Men's Health
2023	Evaluation of gastrointestinal tract injury within 1 year of surgery for pelvic organ prolapse A Gupta, CE Bretschneider, S Rhodes, J Shoag, C McBride, D Sheyn International Urogynecology Journal
2023	No clear or consistent evidence that wearing an eye mask leads to meaningful improvement in learning and alertness: A reanalysis of Greco et al.(2023) s Rhodes Sleep
2023	The outcomes of same-day discharge following holmium laser enucleation of the prostate (HoLEP) surgeries: our experience during the COVID-19 pandemic J Badreddine, H Sun, K Tay, S Rhodes, D Chen, M Zell, I Jaeger, A Nevo World Journal of Urology
2023	Beyond the Kidney: Extra-Renal Manifestations of Monogenic Nephrolithiasis and Their Significance Badreddine, K Tay, HTC Lin, S Rhodes, FR Schumacher, D Bodner, medRxiv
2022	Redefining the gender gap in urology authorship: an 18-year publication analysis M Prunty, S Rhodes, H Sun, SP Psutka, K Mishra, A Kutikov, D Chen, European Urology Focus
2022	A seat at the table: the correlation between female authorship and urology journal editorial board membership M Prunty, S Rhodes, H Sun, A Miller, A Calaway, A Kutikov, ER Plimack, European Urology Focus
2022	A tutorial on cognitive modeling for cognitive aging research. NR Greene, S Rhodes Psychology and Aging
2022	Semen parameter variability among users of at-home sperm testing kits Y Aznavour, F Navarrete, J Badreddine, PHG Simon, V Gowda, S Rhodes, BMC urology
2022	Using restricted cubic splines to assess the calibration of clinical prediction models: Logit transform predicted probabilities first SRhodes OSF Preprints
2022	Impact and Implications of the COVID-19 Pandemic on Urological Training M Callegari, J Maclean, S Rhodes, B Piyevsky, M Prunty, E Jesse, K Tay, Urology Practice
2022	Absence of a mere-exposure effect in older and younger adults. Hasher Psychology and Aging JK Chow, S Rhodes, NO Rule, BR Buchsbaum, L
2022	Where to draw the line? Understanding preferences in mucosal collar length after circumcision: A crowdsourced survey from the US general population M Callegari, W Muncey, T Kim, S Rhodes, L Woo, J Hannick Canadian Urological Association Journal
2022	Comparison of morbidity and retreatment after urethral bulking or midurethral sling at the time of pelvic organ prolapse repair R Russell, S Rhodes, A Gupta, CE Bretschneider, CA Ferrando, A Hijaz, Obstetrics & Gynecology
2022	Resolution of Overactive Bladder Symptoms After Anterior and Apical Prolapse Repair M Abrams, S Sears, S Wherley, S Rhodes, J Mangel, D Sheyn Urogynecology

2021	Revisiting the remember-know task: Replications of Gardiner and Java (1990) JM Haaf, S Rhodes, M Naveh-Benjamin, T Sun, HK Snyder, JN Rouder Memory & Cognition
2021	What affects the magnitude of age-related dual-task costs in working memory? The role of stimulus domain and access to semantic representations AJ Jaroslawska, S Rhodes, C Belletier, JM Doherty, N Cowan, Quarterly Journal of Experimental Psychology
2021	Exploring the influence of temporal factors on age differences in working memory dual task costs. S Rhodes, JM Doherty, AJ Jaroslawska, A Forsberg, C Belletier, Psychology and aging
2021	Female authorship trends in urology during the COVID-19 pandemic M Prunty, S Rhodes, K Mishra, S Gupta, D Sheyn, L Ponsky, B Conroy, European urology
2020	How do scientific views change? Notes from an extended adversarial collaboration N Cowan, C Belletier, JM Doherty, AJ Jaroslawska, S Rhodes, A Forsberg, Perspectives on psychological science.
2020	Age differences in the precision of memory at short and long delays. S Rhodes, EE Abbene, AM Meierhofer, M Naveh-Benjamin Psychology and Aging
2020	The influence of long-term memory on working memory: Age-differences in proactive facilitation and interference S Rhodes, BR Buchsbaum, L Hasher Psychonomic Bulletin & Review
2020	Co-existing, contradictory working memory models are ready for progressive refinement: Reply to Logie C Morey, S Rhodes, N Cowan Cortex
2019	Age-related differences in recall and recognition: A meta-analysis S Rhodes, NR Greene, M Naveh-Benjamin Psychonomic Bulletin & Review
2019	Dual-task costs in working memory: An adversarial collaboration. JM Doherty, C Belletier, S Rhodes, A Journal of experimental psychology: learning, memory, and cognition
2019	Storage and processing in working memory: Assessing dual-task performance and task prioritization across the adult lifespan. S Rhodes, AJ Jaroslawska, JM Doherty, C Belletier, M Naveh-Benjamin, Journal of Experimental Psychology: General
2019	Adult age differences in the effects of processing on storage in working memory: A meta-analysis. AJ Jaroslawska, S Rhodes Psychology and aging
2019	Interaction effects on common measures of sensitivity: Choice of measure, type i error, and power Rhodes, N Cowan, MA Parra, RH Logie Behavior Research Methods
2019	Flexible representations in visual working memory and interactions with long-term learning: Commentary on the special issue S Rhodes, N Cowan
2019	British Journal of Psychology Binding in Short-Term Visual Memory: Reassessing Whole Display Interference Rodrigues, RH Logie PsyArXiv S Rhodes, N Cowan, MP
2018	Loneliness in psychosis: a meta-analytical review Schizophrenia bulletin B Michalska da Rocha, S Rhodes, E Vasilopoulou, P Hutton
2018	Attention in working memory: attention is needed but it yearns to be free Annals of the New York Academy of Sciences S Rhodes, N Cowan
2018	Sensory-motor integration and brain lesions: Progress toward explaining domain-specific phenomena within domain-general working memory CC Morey, S Rhodes, N Cowan Cortex
2018	Informed guessing in change detection. S Rhodes, N Cowan, KO Hardman, RH Logie Journal of Experimental Psychology: Learning, Memory, and Cognition

2017 Visual feature binding in younger and older adults: Encoding and suffix interference effects LA Brown, EH Niven, RH Logie, S Rhodes, RJ Allen Memory 2017 Healthy aging and visual working memory: The effect of mixing feature and conjunction changes. Rhodes, MA Parra, N Cowan, RH Logie Psychology and Aging 2017 Locating temporal functional dynamics of visual short-term memory binding using graph modular dirichlet energy K Smith, B Ricaud, N Shahid, S Rhodes, JM Starr, A Ibáñez, MA Parra, ... Scientific reports 2016 Ageing and feature binding in visual working memory: The role of presentation time S Rhodes, MA Parra, **RH** Logie Quarterly Journal of Experimental Psychology 2016 **Executive Functioning** S Rhodes, MA Parra **Encyclopedia of Geropsychology**

Published Conference Abstracts

The Journal of Sexual Medicine

Published Conference Abstracts	
2024	MP68-13 TRENDS AND PREDICTORS OF MRI-GUIDED BIOPSY FOR PROSTATE CANCER DIAGNOSIS IN THE UNITED STATES M Goldman, C Arenas-Gallo, A Balasubramanian, J Millot, LD Dreyfuss, The Journal of Urology
2024	PD54-01 LONG-TERM DEMENTIA RISK WITH USE OF ANTICHOLINERGIC VERSUS BETA-3-AGONIST PHARMACOTHERAPY FOR OVERACTIVE BLADDER D Sheyn, A Gupta, S Rhodes, J Murphy, J Perez, L Scott, A Hijaz, Journal of Urology
2024	MP08-19 IMPACT OF IMMUNOTHERAPY IN METASTATIC BLADDER CANCER PATIENTS WITH AND WITHOUT VISCERAL METASTASES: A META-ANALYSIS OF RCTS A Zhu, SP Rhodes, P Abrahimi, X Wu, CA Gallo, M Kuchakulla, G Wald, The Journal of Urology
2024	MP35-07 RACIAL DIFFERENCES IN BLADDER CANCER MORTALITY ADJUSTING FOR SOCIODEMO-GRAPHIC DISPARITIES IN A STATEWIDE CANCER REGISTRY M Goldman, C Arenas-Gallo, A Balasubramanian, J Millot, X Wu, A Zhu, The Journal of Urology
2024	MP03-08 RATES OF SURGICAL MANAGEMENT AND REPEAT PROCEDURES FOR STRESS URINARY IN- CONTINENCE FOLLOWING RADICAL PROSTATECTOMY IN THE UNITED STATES LD Dreyfuss, E Weitzman, A Balasubramanian, C Arenas-Gallo, Journal of Urology
2024	The impact of perioperative pharmacologic anticoagulation on venous thromboembolism and bleeding complications following surgery for pelvic organ prolapse Sheyn American Journal of Obstetrics & Gynecology
2024	The impact of american urological association antibiotic prophylaxis guidelines at the time of sacral neuromodulation implantation on rates of infection H Bauer, P Johnston, S Rhodes, D Sheyn American Journal of Obstetrics & Gynecology
2024	(200) The Fertility and Childbearing Experiences of US Male Physicians Muncey, A Hijaz, The Journal of Sexual Medicine
2024	(302) Intertest Reliability of Seminal Round Cells and Leukocytes Without Treatment in Men Presenting for Infertility N Sellke, A Chiu, E Zhou, S Rhodes, H Sun, K Tay, A Loeb,
2024	The Journal of Sexual Medicine (378) Shorter Abstinence is Associated with a Decrease in Semen Round Cells but Not in Semen Leukocytes N Sellke, A Chiu, E Zhou, S Rhodes, H Sun, K Tay, A Loeb,

2024	(384) Post-Vasectomy Semen Analysis Compliance Correlated with Patient Driving Distance to Dropoff Site B Ward, N Sellke, S Rhodes, R Abou Ghayda, N Thirumavalavan, A
	Loeb The Journal of Sexual Medicine
2024	(084) Low Serum Testosterone is Associated with an Increased Risk of First-time Nephrolithiasis in Men Without Testosterone Replacement Therapy A Thompson, S Rhodes, D Omil-Lima, D Obery, B Jevnikar, D Kaelber,
	 The Journal of Sexual Medicine
2024	(145) Utilization of Crowdfunding for Genital Gender Affirmation Surgery H Sun, E Pei, S Rhodes, K Mishra, S Gupta The Journal of Sexual Medicine
2024	(091) The Association Between Hypogonadism, Frailty, and Postoperative Outcomes Among Men Undergoing Radical Cystectomy D Greenberg, H Bhambhvani, L Gago, S Rhodes, E Schaeffer, J Meeks, The Journal of Sexual Medicine
2024	325 Adverse pregnancy outcomes in patients with congenital uterine anomalies: evaluation of a large population database ZO Silsby, S Rhodes, DC Kaelber, D Sheyn, JR Lappen American Journal of Obstetrics & Gynecology
2023	VARIABILITY IN SELF-PAY PRICING FOR VASECTOMY AMONG UNITED STATES HOSPITALS A Brant, S Rhodes, NC Sellke, C Arenas-Gallo, N Thirumavalavan, Fertility and Sterility
2023	Twenty-year patterns in area deprivation index and risk of metastatic prostate cancer at initial diagnosis among men in Ohio. J Cullen, JY Payne, SP Rhodes, JE Shoag Journal of Clinical Oncology
2023	(491) Optimizing Healthcare Provider Response Rates in Sexual Dysfunction Survey Research E Jesse, R
2020	Russell, S Ramanujan, S Rhodes, M Callegari, M Prunty, The Journal of Sexual Medicine
2023	(281) Pelvic Floor Dysfunction in Premenopausal Women with Recurrent Urinary Tract Infections E Jesse, C Van Dorn, J Badreddine, S Rhodes, R Edwins, R Pope The Journal of Sexual Medicine
2023	(543) Antibiotic Prophylaxis for Artificial Urinary Sphincter Surgery-Trends in AUA Best Practices Guideline Adherence M Callegari, S Rhodes, A Brant, H Sun, E Jesse, M Prunty, J Shoag, The Journal of Sexual Medicine
2023	MP71-08 TRENDS OVER 20 YEARS OF ANTIMICROBIAL PROPHYLAXIS FOR ARTIFICIAL URINARY
2020	SPHINCTER SURGERY H Sun, M Callegari, E Zhou, S Rhodes, A Brant, E Jesse, M Prunty, The Journal of Urology
2023	MP17-18 PROSTATE CANCER GENETIC ALTERATIONS IN HISPANIC MEN Posada, I Weinstein, M Prunty, The Journal of Urology
2023	MP21-19 THE RACIAL AND SOCIOECONOMIC CHARACTERISTICS OF A COHORT OF MEN USING AT- HOME FERTILITY TESTS IN THE UNITED STATES J Badreddine, N Sellke, S Rhodes, M Callegari, P Simon,
	 The Journal of Urology
2023	MP54-19 RELATIONSHIP BETWEEN HOME VALUE AND MORTALITY OUTCOMES IN CANCER PATIENTS FROM A STATEWIDE REGISTRY MO Strasser, A Zhu, S Rhodes, A Balasubramanian, L Posada, The Journal of Urology
2023	MP77-01 TRENDS, OUTCOMES, AND COSTS OF HEMOSTATIC UTILIZATION FOR MAJOR UROLOGIC SURGERY C Arenas-Gallo, P Lewicki, M Prunty, A Brant, S Rhodes, SP Basourakos, The Journal of Urology
2023	MP31-18 TRENDS IN POSTOPERATIVE OUTCOMES AND COST FOR LIVE DONOR NEPHRECTOMIES ACROSS SURGICAL SPECIALTIES I Weinstein, C Arenas-Gallo, S Rhodes, J Shoag The Journal of Urology
2023	Cost comparison of laparoscopic and robotic assisted sacrocolpopexy S Sears, SP Rhodes, M Abrams, S Wherley, H Bauer, J Shoag, D Sheyn American Journal of Obstetrics & Gynecology

2023	Risk of death in women hospitalized with a primary diagnosis of urinary tract infection M Abrams, SP Rhodes, D Sheyn American Journal of Obstetrics & Gynecology
2023	Risk of postoperative mesh exposure following sacrocolpopexy with concomitant total versus supracervical hysterectomy SG Clark, CE Bretschneider, MS Bradley, SP Rhodes, J Shoag, D Sheyn American Journal of Obstetrics & Gynecology
2023	Evaluation of gastrointestinal tract injury during surgery for pelvic organ prolapse within one year after surgery A Gupta, CE Bretschneider, SP Rhodes, J Shoag, C McBride, D Sheyn American Journal of Obstetrics & Gynecology
2022	Complications Following Retropubic versus Transobturator Midurethral Synthetic Sling Placement Sears, S Rhodes, J Shoag, A Hijaz, A Sammarco, S Mahajan, D Sheyn INTERNATIONAL UROGYNECOLOGY JOURNAL
2022	Opioid Use Following Pelvic Reconstructive Surgery: A Prospective Cohort Study Sears, SD Wherley, S Rhodes, A Alfahmy, INTERNATIONAL UROGYNECOLOGY JOURNAL
2022	PD30-09 IMPACT AND IMPLICATIONS OF THE COVID-19 PANDEMIC ON UROLOGIC TRAINING B Piyevsky, J Maclean, A Li, S Rhodes, M Prunty, E Jesse, A Alfahmy, The Journal of Urology
2022	Where to Draw the Line: Understanding Preferences in Mucosal Collar Length After Circumcision M Callegari, W Muncey, T Kim, S Rhodes, L Woo, J Hannick The Journal of Sexual Medicine
2022	Penile Prosthesis Utilization After Radical Cystoprostatectomy for Bladder Cancer M Prunty, S Rhodes, D OBrian, E Jesse, M Callegari, C Arenas-Gallo, The Journal of Sexual Medicine
2021	MP20-13 FROM ABSTRACT TO MANUSCRIPT: EVALUATING UROLOGIC ONCOLOGY PUBLICATION RATES FROM AUA ANNUAL MEETINGS (2012-2019) M Prunty, S Rhodes, N Yaffe, S Markt, L Snodgrass, C Cary, RS Boris, The Journal of Urology
2021	MP20-14 REDEFINING THE GENDER GAP IN UROLOGY AUTHORSHIP: AN 18 YEAR PUBLICATION ANALY- SIS M Prunty, S Rhodes, S Markt, H Sun, S Psutka, K Mishra, A Calaway,
	The Journal of Urology
2021	PD33-05 A SEAT AT THE TABLE: AN 18 YEAR ANALYSIS OF FEMALE REPRESENTATION ON UROLOGIC JOURNAL EDITORIAL BOARD MEMBERSHIP M Prunty, S Rhodes, H Sun, A Miller, A Calaway, L Ponsky, K Murray, The Journal of Urology

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- ➤ pminternal: Internal Validation of Clinical Prediction Models. https://stephenrho.github.io/pminternal/
- ➤ pmcalibration: Calibration Curves for Clinical Prediction Models. https://github.com/stephenrho/pmcalibration; https://CRAN.R-project.org/package=pmcalibration