

Date of Preparation of CV

August 21, 2024

Personal Data

Name: Prakash Gorroochurn, PhD

Birth date: Mar 29, 1971

Birthplace: Mauritius

Citizenship: Mauritian

Academic Training

Monash University (Australia), BSc (Hons) (First Class) 1994 Mathematics and Statistics

Monash University (Australia), PhD 1999 (Population Genetics in Subdivided Populations, Supervisor: Dr R C Griffiths)

Academic Appointments

Jan 1999-Jan 2003 Lecturer, University Of Mauritius,

2003: Senior Lecturer, University of Mauritius

2003-2013: Assistant Professor, Columbia University, Mailman School of Public Health, Department of Biostatistics.

2013 to present: Associate Professor of Clinical Biostatistics, Columbia University, Mailman School of Public Health, Department of Biostatistics.

Academic Leadership

2014 to present: Statistical Genetics Track Director

Awards & Honors

- My article "The End of Statistical Independence: The Story of Bose–Einstein Statistics." was selected as one of the Notable Writings in 'The Best Writings on Mathematics 2019,' edited by M. Pitici, Princeton University Press.
- My book 'Classic Problems of Probability' was translated in Japanese in 2018, by the publisher Kyoritsu Shuppan

- My article “God Does Not Play Dice: Revisiting Einstein's Rejection of Probability in Quantum Mechanics” was selected as one of the Notable Writings in ‘The Best Writings on Mathematics 2018,’ edited by M. Pitici, Princeton University Press.
- My article “Errors of Probability in Historical Context” was selected as one of the Best Writings in ‘The Best Writings on Mathematics 2013,’ edited by M. Pitici, Princeton University Press.
- My book “Classic Problems of Probability” was the winner of the 2012 PROSE Award for Mathematics from The American Publishers Awards for Professional and Scholarly Excellence.
- Calderone Research Prize for Junior Faculty (2005-2006)

Editorial Board

2010 to present: Associate Editor, BMC Genetics

2014 to present: Associate Editor, American Statistician

PhD Supervision

- Alex Smolak (2013): Multilevel Factors Associated with Uptake of Biomedical HIV Prevention Strategies in the Muslim World: A Study of Central Asia, India, and Mali

Grant Support

Past

1. R01AA013654-02 (Gorroochurn) 05/01/2004-08/31/2006 1.2
calendar/months

New York State Foundation for Medical Hygiene

“Alcohol in Israel: Genetic and Environmental Effects”

The aim of this grant is to investigate the genetic basis and environmental effects of the consumption of alcohol in Israel.

My role: PI

2. (Papapanou) 07/01/2004-07/01/2007 1.2 calendar months

National Institute of Dental and Cranofacial research

“Gene Expression Structures in Chronic and Aggressive Periondontitis”

The aim of this grant is to investigate the use of microarray gene expression techniques for the identification of chronic and aggressive periodontitis.

My role: Co-I

3. MH071430-03 (Caton) 9/30/05-6/30/10 1.2 calendar months
NIMH
“Columbia Center for Homelessness Prevention Studies”
This goal of this project is to create a multidisciplinary research center focused on the prevention of chronic homelessness among people with severe mental illnesses.
My role: Co-I
4. MH-48858(Hodge) 9/1/2006-8/31/2008 1.2 calendar months
NIMH
“Psychiatric genetics and family studies: robust methods”
The aim of this grant is the exploration of robust statistical methods for linkage studies.
My role: Co-I
5. CW12989 (Levine) 1/1/2010-12/31/2011 1.2 calendar months
NIAAA \$500,000/yr
“Columbia Shoulder Study”
A Multicenter Study of the Bigliani/Flatow Complete Shoulder Solution
6. 5U19MH095718-04 (Susser) 07/01/2011 – 08/31/2016 .6 calendar
NIH/NIMH \$521,080
Regional Network for Mental Health Research in Latin America
The overriding objective of our Hub for Latin America (HLA) is to improve the condition of this vulnerable group through an integrated system of primary care and secondary mental health service tailored to the distinctive context of the urban areas of Latin America.
My role: Co-I
7. 5R01DA031477-04 (Schinke) 09/01/2016 to 08/31/2017 1.80 calendar
National Institute on Drug Abuse/NIH/DHH \$666,395
Preventing Drug Abuse among Hispanic Adolescents
This study will longitudinally test a computerized drug abuse prevention program for Hispanic adolescents. The culturally-tailored prevention program aims to strengthen and sustain protective factors while equipping youths with the necessary information and skills to reduce risk factors associated with cigarettes, alcohol, marijuana, and other harmful drug use.
My role: Co-I
8. 5P50HG007257-04 (Appelbaum) 05/03/2016 – 05/31/2017 1.20 calendar
National Human Genome Research Institute \$716,651
Center for Research on Ethical, Legal and Social Implications of Psychiatric, Neurologic and Behavioral Genetics
Exciting advances in PNB genetics have improved understanding of the genetic bases for many psychiatric, neurodevelopmental, and neurodegenerative disorders. Rapid development of techniques for accessing this information, including non-invasive prenatal sequencing, promises to make PNB genetic data much more widely available. Hence, consideration of the ethical, legal and social impact of these data and identification of better means of dealing with them are of critical and urgent importance to public health and well-being.

My role: Co-I

Current

1) Title: Topical Application of Tranexamic Acid to Reduce Blood Loss during Spine Surgery

*Major Goals: This study will investigate the topic application of tranexamic Acid to reduce blood loss during Spine Surgery. It is anticipated that topical tranexamic acid will reduce preoperative blood loss as measured by the maximal drop of systemic hemoglobin concentration and postoperative drain output during the postoperative period and subsequently allogenic transfusion requirements.

*Status of Support: Active

Project Number: OR130351

Name of PD/PI: Lehmann

*Source of Support: DoD

*Primary Place of Performance: Columbia University, New York, NY

Project/Proposal Start and End Date: (MM/YYYY) (if available): 12/2017-2/2024

* Total Award Amount (including Indirect Costs): \$3,077,171

* Person Months (Calendar/Academic/Summer) per budget period.

Year (YYYY)	Person Months (##.##)
6. 2023	0.6CM

2) Title: Brain and Behavioral Indicators of Risk for Parkinsonism among Adolescents with Early Pesticide Exposure [Supplement]

*Major Goals: Columbia University in the City of New York proposes a new public health model to increase engagement, detection, and management of glaucoma, vision impairment, cataracts, and other eye diseases in vulnerable populations in New York City. With the support of government, community, University, and industry partners, Columbia University Irving Medical Center Department of Ophthalmology has designed the Manhattan Vision Screening and Follow-up Study in Vulnerable Populations, a cluster randomized controlled trial, to identify and implement innovative strategies to engage populations most at risk, most vulnerable, and least likely to have access to eye care. The study population is comprised of disadvantaged men and women ≥ 40 years old of diverse race/ethnicity (primarily African American and Hispanic/Latino), with high rates of inadequate eye care, living in affordable housing buildings in New York City.

*Status of Support: Active

Project Number: 5R01ES030039-04

Name of PD/PI: Rauh

*Source of Support: NIH/NIEHS

*Primary Place of Performance: Columbia University, New York, NY
Project/Proposal Start and End Date: (MM/YYYY) (if available): 01/2019-12/2024

* Total Award Amount (including Indirect Costs): \$398,970
* Person Months (Calendar/Academic/Summer) per budget period.

Year (YYYY)	Person Months (##.##)
5. 2023	1.57 CM

3) Title: Manhattan Vision Screening and Follow-Up Study in Vulnerable Populations

*Major Goals: Columbia University in the City of New York proposes a new public health model to increase engagement, detection, and management of glaucoma, vision impairment, cataracts, and other eye diseases in vulnerable populations in New York City.

*Status of Support: Active

Project Number: 5U01DP006436-04

Name of PD/PI: Hark & Al-Aswad

*Source of Support: NCDPHP

*Primary Place of Performance: Columbia University, New York, NY
Project/Proposal Start and End Date: (MM/YYYY) (if available): 09/2019-09/2024

* Total Award Amount (including Indirect Costs): \$2,798,873
* Person Months (Calendar/Academic/Summer) per budget period.

Year (YYYY)	Person Months (##.##)
4. 2023	1.2 CM
5. 2024	1.2 CM

4. Title: Mental Health of Latino Adolescent Who Migrate without a Parent: Understanding Risk and Identifying Resilience and Coping Strategies

*Major Goals: The CAMINANDO-MH study examines the impact of exposures to threat and food deprivation on the mental health of 400 Latin American teens who migrated to the US as unaccompanied adolescents. We will follow them over 18 months to assess how psychological, cognitive, and social factors (e.g., daily stressors, supports) affect their mental health trajectories to clarify how to improve their outcomes.

*Status of Support: Active

Project Number: R01MD017273-01A1

Name of PD/PI: Orjuela, M

*Source of Support: NIHMD

*Primary Place of Performance: Columbia University, New York, NY Project/Proposal Start and End Date: (MM/YYYY) (if available): 12/01/22 – 11/30/27

5. Institutional Career Development Core

*Major Goals: The grant examines the prevalence of fentanyl co-ingestion in ED patients

*Status of Support: Active

Project Number:

5KL2TR00187407

Name of PD/PI: Dr Daichi Shimbo

*Source of Support: NAT CTR FOR ADV TRANS
SCIENCESNIHDHHS

*Primary Place of Performance: Columbia
University, New York, NY

Project/Proposal Start and End Date: (MM/YYYY) (if available): 06/28/2021 to 05/31/2024

Teaching Experience and Responsibilities

- Microeconomic Theory (2000)
- Real Analysis (2001)
- Probability and Statistics (2000-2002)
- Stochastic Processes (2000-2002)

- Mathematical Finance (2000)
- Applied Probability (2000-2002)

Teaching at Columbia University:

- Probability (2003-2016)
- Human Population Genetics (2007, 2017-present)
- Statistical Genetic Modeling (2016)
- Integration of Science and Practice (2017)
- Statistical Inference (2018-present)

Service to the University

A. Service activities for the Department of Biostatistics

- Admission Masters
- Qualifying Exams (Applications)
- Diversity
- Communication

B. Service activities for the Mailman School of Public Health

- Faculty Steering Committee

Journal Reviewer

American Journal of Epidemiology, American Journal of Human Genetics, American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, American Journal of Physics, American Statistician, Annals of Human Genetics, BMC Genetics, Entropy, European Journal for Philosophy of Science, Human Heredity, Mathematical Intelligencer, Mathematical Population Studies, Statistical Science, Synthese.

Consulting Experience

- Statistical consultant at the School of Social Work, Columbia University (40%), 2006-2018

Invited Lectures, Presentations and Conferences

- Invited Speaker - Effect of population stratification on case-control association studies: false-positive rates and their limiting behavior as number of subpopulations increases. American Society of Human Genetics Annual Meeting (2004)

- Invited Speaker - A new method to correct for population stratification in genetic case-control association studies: centralizing the non-central chi-square. American Society of Human Genetics Annual Meeting (2005)
- Invited Speaker - Non-Replication in Scientific Research: 'pseudo-failures' to replicate? University of Mauritius (2007)
- Invited Speaker - Non-Replication in Scientific Research: 'pseudo-failures' to replicate? Columbia University School of Social Work (2007)
- Invited Speaker - Non-replication in association studies: 'pseudo-failures' to replicate? Rutgers University (2007)
- Invited Presentation – Analysis of Correlated Measurements in Social Science. School of Social Work, Columbia University (2016)
- Invited Presentation – Confidence Intervals in Statistical Inference. School of Social Work, Columbia University (2016)
- Invited Presentation – Causal Inference in Social Science. School of Social Work, Columbia University (2016)
- Invited Presentation – Missing Data in Social Science. School of Social Work, Columbia University (2016)
- Invited Speaker - Fisher's Fiducial Probability - A Historical Perspective. Rutgers Foundations of Probability Seminar, Rutgers University (2017)
- Invited Presentation - Gauss and Laplace on Least-Squares. Rutgers University (2017)
- Invited Presentation – Multiple Comparison of Means. School of Social Work, Columbia University (2017)
- Invited Presentation – Generalized Linear Models. School of Social Work, Columbia University (2017)
- Invited Presentation – Structural Equation Modeling (SEM) in the Social Sciences. School of Social Work, Columbia University (2017)
- Invited Presentation – Mediation Analysis. School of Social Work, Columbia University (2017)
- Invited Presentation – Causal Inference. School of Social Work, Columbia University (2017)
- Invited Presentation – Missing Data in Social Research. School of Social Work, Columbia University (2017)
- Invited Presentation – Correlation Measures of Association. School of Social Work, Columbia University (2018)
- Invited Presentation – Instrumental Variable Methods in Social Research. School of Social Work, Columbia University (2018)
- Invited Presentation - A History of Evolutionary Genetics: Darwin's Path to the Origin of Species. Rutgers University (2019)

- Invited Speaker - Worthy of study, worthy of honor?: Panel discussion on memorialization and de-memorialization. Rutgers Foundations of Probability Seminar, Rutgers University (2021)

Abstracts

- Anderson, K.N., Jacobson, J., Li, H., Hershman, D., **Gorroochurn, P.** and Grann, V., 2004. Prevalence of CAM in a cohort of breast cancer patients and controls. *Journal of Clinical Oncology*, 22(14_suppl), pp.8131-8131.
- Caton, C.L., Drake, R.E., **Gorroochurn, P.**, Hasin, D.S., Gouzoulis-Mayfrank, E., Schnell, T., Heekeren, K., Keshavan, M., Bangalore, S., Prasad, K. and Diwadkar, V., 2007, April. Dual diagnosis schizophrenia and drug abuse. *Biological Psychiatry*. Vol 61(8), 92S-92S.
- Zweben, A., Pettinati, H., Weiss, R., Mattson, M., Cox, C., Youngblood, M., **Gorroochurn, P.** and Ciraulo, D., 2008, June. AA attendance in a combined medication and behavioral treatment trial. *Alcoholism-Clinical and Experimental Research*. Vol 32(6), 187A-187A Suppl. 1.
- Capodice, J.L., **Gorroochurn, P.**, Cammack, A.S., Eric, G., McKiernan, J.M., Benson, M.C., Stone, B.A. and Katz, A.E., 2009. Zylamend in men with high-grade prostatic intraepithelial neoplasia: results of a phase I clinical trial. *Journal of the Society for Integrative Oncology*, 7(2), p.43.
- LaFerrere, B., Arias, S., **Gorroochurn, P.**, Bose, M., Teixeira, J., Bawa, B., Swerdlow, N., Stevens, R.D., Wenner, B.R., Bain, J.R., Muehlbauer, M.J., Newgard, C.B. (2010) Decrease of Circulating Branched Chain Amino Acids After Surgical But Not Diet-Induced Weight Loss in Diabetes. *Obesity*. Vol 18, Supp. 2, S50-S50
- de Paula, T.R., Keller, D.S., **Gorroochurn, P.** and Kiran, R.P., 2019. Does Adjuvant Chemotherapy Improve Survival in T3N0 Rectal Cancer? An Evaluation of Use and Outcomes from the National Cancer Database. *Journal of the American College of Surgeons*, 229(4), p.S58. ‘
- de Paula, T.R., Keller, D.S., **Gorroochurn, P.**, Kiely, J.M. and Kiran, R.P., 2019. What's in a Name? Investigating Reporting of a Complete Pathologic Response in Rectal Cancer from the National Cancer Database (NCDB). *Journal of the American College of Surgeons*, 229(4), pp.e101-e102.
- Henriquez, D.R., Horowitz, J.D., Karani, R., Adeghate, J.O., **Gorroochurn, P.**, Park, L., Wang, Q., Diamond, D., Harizman, N., Auran, J.D. and Maruri, S.C., 2023. Manhattan Vision Screening and Follow-up Study (NYC-SIGHT) Cluster-Randomized Clinical Trial: Subanalysis of Telemedicine Retinal Findings. *Investigative Ophthalmology & Visual Science*, 64(8), 4182-4182.
- Kaminsky, A.M., **Gorroochurn, P.**, Maruri, S.C., Henriquez, D.R., Horowitz, J.D., Park, L., Wang, Q., Diamond, D., Harizman, N., Auran, J.D. and Sharma, T., 2023. Manhattan Vision Screening and Follow-up Study (NYC-SIGHT) Cluster-Randomized Clinical Trial: Smartphone Ownership to Assess Digital Health Equity. *Investigative Ophthalmology & Visual Science*, 64(8), 3071-3071.
- Maruri, S.C., Wang, Q., Valenzuela, I., Harizman, N., **Gorroochurn, P.**, Henriquez, D.R., Diamond, D., Park, L., Horowitz, J.D., Auran, J.D. and Friedman, D.S., 2023. Manhattan Vision Screening and

Follow-up Study (NYC-SIGHT) Cluster-Randomized Clinical Trial: Subanalysis of Glaucoma Suspect Findings. *Investigative Ophthalmology & Visual Science*, 64(8), 126-126.

- Concepcion-Gonzalez, A., Rymond, C.C., Lu, K., Sinha, R., Quan, T., Matsumoto, H., Bobby, A.Z., **Gorroochurn, P.**, Samdani, A., Andras, L. and Erickson, M., 2023. Risk of UPROR Increases with Increased Curve Correction After Fusion in Severe Syndromic and Neuromuscular Early Onset Scoliosis.
- Badalato, G., Khan, S., **Gorroochurn, P.**, Hruby, G., & Anderson, C. (2024). PD62-11 the Impact of American Board of Urology Certification on Postoperative Outcomes for Patients in New York State. *The Journal of Urology*, 211(5S), e1290.
- Joffe, B.I., Martina, L.P., Stillman, M., Rust, D., **Gorroochurn, P.**, Lenis, A.T., DeCastro, G.J., McKiernan, J.M. and Anderson, C.B., 2024. "MP51-11 Renal Tumor Characteristics in Immunosuppressed and Renal Dysfunction Populations." *The Journal of Urology* 211, no. 5S: e846.
- Badalato, G., Khan, S., **Gorroochurn, P.**, Hruby, G., & Anderson, C. (2024). Pd62-11 the Impact of American Board of Urology Certification on Postoperative Outcomes for Patients in New York State. *Journal of Urology*, 211(5s), E1290.
- Morse, A. R., Hark, L. A., **Gorroochurn, P.**, Rojas, R., Seiple, W. H., Shukla, A. G., ... & Cioffi, G. A. (2024). Can modifiable behavioral factors be identified to increase activation in patients with glaucoma? *Investigative Ophthalmology & Visual Science*, 65(7), 4044-4044.

Publications

A. Books:

- **Gorroochurn P.** (2012) *Classic Problems of Probability*. Wiley, NJ. (Winner of the 2012 PROSE Award for Mathematics from The American Publishers Awards for Professional and Scholarly Excellence.)
- **Gorroochurn P.** (2016) *Classic Topics on the History of Modern Mathematical Statistics: From Laplace to More Recent Times*. Wiley, NJ.
- **Gorroochurn P.** (2018) 確率は迷う: 道標となった古典的な33の問題. Kyoritsu Shuppan. (Japanese translation of 'Classic Problems of Probability' by Kentaro Nomaguchi)
- **Gorroochurn P.** (2024) *The Development of Evolutionary Genetics: From Early Ideas on Evolution to the Modern Synthesis*. Springer.

B. Book Chapter:

Errors of Probability in Historical Context. In 'The Best Writings on Mathematics 2013,' edited by M. Pitici, Princeton University Press (2014).

C. Original, Peer Reviewed Articles

1^{*a}. Gorroochurn, P (2001) Post-Data Inference of Coalescence Times and Segregating-Site Distribution in a Two-Island Model with Symmetric Migration. *Advances in Applied Probability* 33(3): 600-616.

Note: Advances in Applied Probability has an impact factor of .730

2^{*}. Gorroochurn, P (2001) Genetic Differentiation and Mean Coalescence Times in Two Colonies with Asymmetric Migration. *University of Mauritius Research Journal* 8: 103-118.

3^{*}. Gorroochurn, P (2003) A Note on the Stationary Distribution of an Infinitesimal Matrix. *The Journal of nature* 15(1): 39-45.

4. Komenaka IK, Ditkoff BA, Joseph KA, Russo D, **Gorroochurn P**, Ward M, Horowitz E, El-Tamer MB, Schnabel FR (2004) The Development of Interval Breast Malignancies in Patients with BRCA Mutations. *Cancer* 100(10): 2079-83.

Note: I made major contributions in this paper with respect to the design, analysis and intellectual content. Cancer is the official journal of the American Cancer Society and has a high impact factor of 5.2. The paper itself has been cited 167 times.

5^{*}. Heiman GA, Hodge SE, Gorroochurn P, J Zhang, Greenberg DA (2004) Effect of population stratification on case-control association studies. I: Elevation in the false positive rates and comparisons to confounding risk ratios (a simulation study). *Human Heredity* 58: 30-39.

Note: I made substantial contributions to this paper with respect both the genetics and mathematical concepts. The paper has a second part in which I am the first author. Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

6^{*}. Gorroochurn P, Hodge SE, Heiman GA, Greenberg DA (2004) Effect of population stratification on case-control association studies. II: False-positive rates and their limiting behavior as number of subpopulations increases. *Human Heredity* 58: 40-48.

Note: Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

^aAsterisks denote my most significant articles.

7*. Heiman, GA, **Gorroochurn P**, Hodge SE, Greenberg DA (2005) Robustness of case-controls studies. *Cancer Epidemiology Biomarkers & Prevention* 14(6).

Note: I made substantive contributions to this paper primarily with respect to its direction and content. This is a major medical journal with an impact factor of 4.2

8*. **Gorroochurn P**, Hodge SE (2006) Estimating allele frequencies and inbreeding coefficients in k -allele models. *Mathematical Population Studies*, 13: 83-103.

Note: Mathematical Population Studies has an impact factor of .586.

9*. **Gorroochurn P**, Heiman GA, Hodge SE, Greenberg DA (2006) Centralizing the non-central chi-square: A new method to correct for population stratification in genetic case-control association studies. *Genetic Epidemiology* 30: 277-289.

Note: Genetic Epidemiology is a peer reviewed scientific journal for research on the genetic causes of the distribution of human traits in families and populations. This methodological important journal has a relatively high impact factor of 4.0. This article has been cited 56 times.

10*. Bemis DL, Capodice JL, **Gorroochurn P**, Katz AE, and Buttyan R (2006) Anti-prostate cancer activity of a beta-carboline alkaloid enriched extract from *Rauwolfia vomitoria*. *International Journal of Oncology* 29 (5):1065-1073.

Note: I made major contributions in this paper right from the start, from the design and conception to the analysis and subsequent interpretation. The journal has an impact factor of 2.6

11*. Durner M, **Gorroochurn P**, Marini C, and Guerrini R (2006) Editorial Commentary: Can We Increase the Likelihood of Success for Future Association Studies in Epilepsy? *Epilepsia* 47 (10):1617-1621.

Note: This is the paper where I first introduced the term of "pseudo-replication" in genetic association studies. This term is now used by several researchers in the field. Epilepsia is an important journal with an impact factor of 4.0.

12. Fine R L, Shah S S, Moulton TA, Yu IR, Fogelman DR, Richardson M, Burris HA, Samuels BL, Assanasen C, **Gorroochurn P**, Hibshoosh H, Orjuela M, Garvin J, Goldman FD, Dubovsky D, Walterhouse D, Halligan G (2007) Androgen and c-Kit receptors in desmoplastic small round cell tumors resistant to chemotherapy: novel targets for therapy. *Cancer Chemotherapy and Pharmacology* 59 (4):429-437.

Note: I made important contributions in this paper right from its conceptual stage, and then again in the subsequent phase of the analysis. The journal has an impact factor of 2.76.

13*. Gorroochurn P, Hodge SE, Heiman GA and Greenberg DA (2007) Invited Article: A unified approach for quantifying, testing and correcting population stratification in case-control association studies. *Human Heredity* 64: 149-159.

Note: Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

14*. Gorroochurn P, Hodge SE, Heiman GA, Durner M, Greenberg DA (2007). Non-replication in association studies: 'pseudo-failures' to replicate? *Genetics in Medicine* 9(6): 325-331.

Note: This journal has a very high impact factor of 5.280. It ranks 21/156 in Genetics/Heredity. The paper itself has been cited 97 times.

15. Heiman GA, Ogburn E, **Gorroochurn P**, Keyes KM, and Hasin D (2008) Evidence for a two-stage model of dependence using the NESARC and its implications for genetic association studies. *Drug and Alcohol Dependence* 92 (1-3):258-266.

Note: I made important contributions to this paper mainly in its intellectual content. The journal has an impact factor of 3.4

16*. Zweben A, Pettinati HM, Weiss RD, Youngblood M, Cox CE, Mattson ME, Gorroochurn P, Ciraulo D. (2008) Relationship between Medication Adherence and Treatment Outcomes: THE COMBINE STUDY. *Alcoholism: Clinical and Experimental Research* 32(9):1661-9.

Note: I made substantial contributions in this paper with respect to the statistical analysis, the conception, and the interpretation of the main results. The journal has an impact factor of 3.5.

17*. Yaeger R, vila-Bront A, Abdul K, Nolan PC, Grann VR, Birchette MG, Choudhry S, Burchard EG, Beckman KB, Gorroochurn P, Ziv E, Consedine NS, Joe AK (2008) Comparing genetic ancestry and self-described race in african americans born in the United States and in Africa. *Cancer Epidemiology Biomarkers & Prevention* 17:1329-1338.

Note: I made substantial contributions in this paper both with respect to its genetics and statistical content. This is a major medical journal with an impact factor of 4.2. The paper itself has been cited 126 times.

18*. Gorroochurn P (2008) Perils in the Use of Linkage Disequilibrium for Fine Gene Mapping: Simple Insights from Population Genetics. *Cancer Epidemiology Biomarkers & Prevention* 17: 3292-329.

Note: This is a major medical journal devoted to research in the field of cancer epidemiology. It has an impact factor of 4.2

19*. Gorroochurn P, Hodge SE, Heiman GA and Greenberg DA (2009) Comments on: Review and Evaluation of Methods Correcting for Population Stratification with a Focus on Underlying Statistical Principles. *Human Heredity* 67:145–146.

Note: Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

20. Petukhova L, Shimomura Y, Wajid M, **Gorroochurn P**, Hodge SE, Christiano AM (2009) The effect of inbreeding on the distribution of compound heterozygotes: a lesson from lipase H mutations in autosomal recessive woolly hair. *Human Heredity* 68: 117-130.

Note: The main author of this paper reached out to me because she thought my population genetics expertise was essential for the proper execution of this paper. In addition to my population genetics contribution, I helped with the overall tone and intellectual content. Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

21*. Capodice JL, **Gorroochurn P**, Cammack AS, Eric G, McKiernan JM, Benson MC, Stone BA, Katz AE (2009) Zylamend in men with high-grade prostatic intraepithelial neoplasia: results of a phase I clinical trial. *Journal of the Society for Integrative Oncology* 7(2):43-51.

Note: I was extensively involved in the analysis and interpretation section of this paper.

22*. Pinto RM, Yu, G, Spector AY, **Gorroochurn P**, McCarthy D (2010). Substance abuse treatment providers' involvement in research is associated with willingness to use findings in practice. *Journal of Substance Abuse Treatment* 39: 188–194.

Note: I am important contributions to this paper with respect to its conception, design, analysis and intellectual content. The journal has an impact factor of 2.8

23*. **Gorroochurn P**, Hodge SE, Heiman GA and Greenberg DA (2010). Comments on 'Delta-Centralization Fails to Control for Population Stratification in Genetic Association Studies. *Human Heredity*. 69:295.

Note: Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

24. Wright JD, St. Clair CM, Deutsch I, Burke WM, **Gorroochurn P**; Sun X, Herzog TJ (2010) Pelvic Radiotherapy and the Risk of Secondary Leukemia and Multiple Myeloma. *Cancer* 116(10): 2486-2492.

Note: Cancer is the official journal of the American Cancer Society and has a high impact factor of 5.2.

25*. Alam ML, Van der Schueren BJ, Ahren B, Wang GC, Swerdlow NJ, Arias S, Bose M, **Gorroochurn P**, Teixeira J, McGinty J, Laferrère B (2011) Gastric bypass surgery, but not caloric restriction, decreases dipeptidyl peptidase-4 activity in obese patients with type 2 diabetes. *Diabetes Obesity and Metabolism* 13(4): 378-381

Note: My main contribution in this paper was with respect to the conception, design and analysis. The journal has an impact factor of 3.4

26*. Drake, R E, Caton C, Xie H, Hsu E, **Gorroochurn P**, Samet S, Hasin D (2011). A Prospective 2-year Study of Emergency Department Patients with Early-phase Primary Psychoses or Substance-induced Psychoses. *The American Journal of Psychiatry*. 168(2): 742-748.

Note: This is a major journal with an impact factor of 12.8. It's the official journal of the American Psychiatric Association. I contributed in a major way in this journal by helping with the conception, design and analysis using GEE models.

27*. Herman D, Conover S, **Gorroochurn P**, Hinterland K, Hoepner L, Susser E (2011). Randomized Trial of Critical Time Intervention to Prevent Homelessness in Persons with Severe Mental Illness following Institutional Discharge. *Psychiatric Services* 62(7):713-9.

Note: I made substantial contributions in this paper in terms of the conception and analysis. This paper gave me the opportunity to learn and apply the instrumental variable technique for the analysis of observational studies. Psychiatric Services has an impact factor of 2.81. The paper itself has been cited 158 times.

28*. Pinto RM, Campbell ANC, Hien D, Yu G, **Gorroochurn P** (2011). Retention in the NIDA Clinical Trials Network Women and Trauma Study: Implications for Post-trial Implementation. *American Journal of Orthopsychiatry*. 81(2): 210-216.

Note: I made important contributions to this paper right from the stage of preparation and conception. I helped with the design and subsequent analysis. The impact factor of the journal is 1.872.

29*. **Gorroochurn P**, Hodge SE, Heiman GA, Greenberg DA (2011). "An Improved Delta-Centralization Method for Population Stratification". *Human Heredity*. 71(3): 180-185.

Note: Human Heredity is an important journal in the genetics field with an impact factor of 3.81.

30. **Gorroochurn, P** (2011) Use the Correlation Coefficient to Summarize Regression Performance?" *Teaching Statistics*. 33: 81-82.

31. Laferrère B, Reilly D, Arias S, Swerdlow N, **Gorroochurn P**, Bose M, Bawa B, Teixeira J, Stevens RD, Wenner BR, Bain JR, et al. (2011). Differential Metabolic Impact of Gastric Bypass Surgery Versus Dietary Intervention in Obese Diabetic Subjects Despite Identical Weight Loss. *Science Translational Medicine* 3, 80re2.

Note: This journal covers basic, translational, and clinical research on human diseases. It has an impact factor of 3.5. I made major contributions in this paper with respect to conception, design, analysis and intellectual content. The paper has been cited 304 times.

32. Van der Schueren B, Green N, **Gorroochurn P**, Teixeira J, Altiner S, Laferrère B (2011) Low Vitamin D in Candidates for Bariatric Surgery: Are the Americans Better Off than the French? *Obesity Surgery*. 21(7): 948-949.
Note: I made substantial contributions in this paper concerning its conception, the type of analysis to do and its intellectual content. Obesity Surgery has an impact factor of 3.08
- 33*. **Gorroochurn P** (2011). Errors of Probability in Historical Context. *American Statistician*. 65(4): 246-254. (Also in 'The Best Writings on Mathematics 2013,' edited by M. Pitici, Princeton University Press)
Note: This was my first paper on the history of probability and statistics, and was selected as one of the best writings in mathematics for the year 2013. The American Statistician has an impact factor of 1.830
34. Shah SH, Crosslin DR, Haynes CS, Nelson S, Turer CB, Stevens RD, Muehlbauer MJ, Wenner BR, Bain JR, Laferrère B, **Gorroochurn P**, Teixeira J, Brantley PJ, Stevens VJ, Hollis JF, Appel LJ, Lien LF, Batch B, Newgard CB, Svetkey LP. (2012). *Diabetologia*. 55(2):321-30.
Note: I made substantive contributions in this paper in terms of its conception and the statistical analysis. Diabetologia has a high impact factor of 6.973. The paper has been cited 264 times.
- 35*. **Gorroochurn, P.** (2012) Some Laws and Problems of Classical Probability and How Cardano Anticipated Them. *Chance* 25.4: 13-20.
36. Smolak A, **Gorroochurn P**, Kamarulzaman A, Janjua N (2012) Asian public concern over the ethics of scientists: Predictors and implications for research ethics. *Accountability in Research* 19: 370-382.
Note: I personally carried out all the statistical analysis and interpretation in this paper. Accountability in Research has an impact factor of 1.458.
- 37*. Edge M.D., **Gorroochurn P.**, Rosenberg, N. A. (2013) Windfalls and pitfalls: Applications of population genetics to the search for disease genes. *Evolution, Medicine, and Public Health* 2013 (1): 254-272.
Note: I wrote the first draft of this paper. Evolution, Medicine, and Public Health has a high impact factor of 4.222
- 38*. **Gorroochurn, P.**, Levin, B. (2013) On Two Historical Aspects of Buffon's Needle Problem. *Electronic Journal for History of Probability and Statistics* 9, pp. 40.
- 39*. McQuiston H.L., **Gorroochurn P.**, Hsu E., Caton C. L. M. (2014) Risk Factors Associated with Recurrent Homelessness After a First Homeless Episode. *Community Mental Health Journal* 50 (5): 505-513.
Note: I personally carried out all the statistical analysis in this paper. Community Mental Health Journal has an impact factor of 1.292. The paper itself has been cited 64 times.

40. Yin B., Levy D., Meadows M., Moen T., **Gorroochurn P.**, Cadet E. R., Levine W. N., Ahmad C.S. (2014) How Does External Rotation Bracing Influence Motion and Functional Scores After Arthroscopic Shoulder Stabilization? *Clinical Orthopaedics and Related Research* 472(8): 2389-96.
Note: I carried out all the statistical analysis in this paper. Clinical Orthopaedics and Related Research has an impact factor of 4.329

41*. **Gorroochurn, P.** (2014) Thirteen Correct Solutions to the "Problem of Points" and their Histories. *The Mathematical Intelligencer* 36(3): 56-64.
Note: The Mathematical Intelligencer has an impact factor of .397

42*. Burnes D., Rizzo V.M., **Gorroochurn P.**, Pollack M., & Lachs M.S. (2014). Understanding Service Utilization in Cases of Elder Abuse to Inform Best Practices. *Journal of Applied Gerontology* 35(10): 1036-1057.
Note: I personally carried out all the statistical analysis in this paper. Journal of Applied Gerontology has an impact factor of 2.144.

43. Makhni E.C., Lee R.W., Morrow Z.S., Gualtieri A.P., **Gorroochurn P.**, Ahmad C.S. (2015) Performance, Return to Competition, and Reinjury After Tommy John Surgery in Major League Baseball Pitchers: A Review of 147 Cases. *The American Journal of Sports Medicine* 42(6): 1323-1332.
Note: I personally carried out all the statistical analysis and interpretation in this paper. The American Journal of Sports Medicine has a high impact factor of 5.810. The paper itself has been cited 142 times.

44. Cadet E.R., Babatunde O.M., **Gorroochurn P.**, Chan A. K., Stancato A., Brown M., Johnson S., Kaiser P.B., Gardner T., Ayeni O.R. (2016) Inter- and intra-observer agreement of femoroacetabular impingement (FAI) parameters comparing plain radiographs and advanced, 3D computed tomographic (CT)-generated hip models in a surgical patient cohort. *Knee Surgery Sports Traumatology Arthroscopy* 24(7): 2324-31.
Note: I personally carried out all the statistical analysis and interpretation in this paper. Knee Surgery Sports Traumatology Arthroscopy has an impact factor of 3.166.

45. Chen F.-P., Samet S., **Gorroochurn P.**, O'Hara K.M. (2016) Characterizing Factors of Employment Status in Persons with Major Depressive Disorder. *Evaluation & the Health Profession* 39: 263-281.
Note: I personally carried out all the statistical analysis and interpretation in this paper. Evaluation & the Health Profession has an impact factor of 1.578.

46*. **Gorroochurn P.** (2016) On Galton's Change from 'Reversion' to 'Regression'. *American Statistician* 70(3): 227-231.

Note: The American Statistician has an impact factor of 1.830

47. Bobman J.T., Danoff J.R., Babatunde O.M., Zhu K., Peyser K., Geller J.F., **Gorroochurn P.**, Macaulay W. (2016) Total Hip Arthroplasty Functional Outcomes are Independent of Acetabular Component Orientation when a Polyethylene Liner is Employed. *The Journal of Arthroplasty* 31(4): 830-834.

Note: I personally carried out all the statistical analysis and interpretation in this paper. The Journal of Arthroplasty has an impact factor of 3.709.

48. Danoff J.R., Bobman J.T., Cunn G., Murtaugh T., **Gorroochurn P.**, Geller J.F., Macaulay W. (2016) Redefining the Acetabular Component Safe Zone for Posterior Approach Total Hip Arthroplasty. *The Journal of Arthroplasty* 31(2): 506-511

Note: I personally carried out all the statistical analysis and interpretation in this paper. The Journal of Arthroplasty has an impact factor of 3.709. The paper itself has been cited 82 times.

49. Schinke S., Schwinn Y., Hopkins J., **Gorroochurn P.**, Wahlstrom L. (2017) Is the Legalization of Marijuana Associated With Its Use by Adolescents? *Substance Use & Misuse* 52(2):256-258.

Note: I personally carried out all the statistical analysis and interpretation in this paper. Substance Use & Misuse has an impact factor of 1.497.

50. Blackburn C.W., Vossoughi S.R., Ojo B., **Gorroochurn P.**, Marboe C.C., Akelina Y., Strauch R.J. (2017) A Comparison of the Minimal-Touch Technique and the Eversion Technique for Microvascular Anastomosis in a Rat Model. *Journal of Reconstructive Microsurgery* 33(2): 97-102.

Note: I personally carried out all the statistical analysis and interpretation in this paper. Journal of Reconstructive Microsurgery has an impact factor of 1.841.

51* **Gorroochurn P.** (2017) God Does Not Play Dice: Revisiting Einstein's Rejection of Probability in Quantum Mechanics. *Mathematical Scientist* 42: 61-73

Note: The Mathematical Scientist has an impact factor of .18. This article was selected as one of the Notable Writings in 'The Best Writings on Mathematics 2018,' edited by M. Pitici, Princeton University Press.

52*. Conway A., Modrek, A., **Gorroochurn P.** (2018) Maternal Sensitivity Predicts Fewer Sleep Problems at Early Adolescence for Toddlers with Negative Emotionality: A Case of Differential Susceptibility. *Child Psychiatry & Human Development* 49(1): 86-99.

Note: I personally carried out all the statistical analysis and interpretation in this paper. Child Psychiatry & Human Development has an impact factor of 1.889.

53. Makhni M.C., Jegede K., Lombardi J., Whittier S., **Gorroochurn P.**, Lehman R.A., Riew KD (2018) No Clear Benefit of Chlorhexidine Use at Home Before Surgical Preparation. *The Journal of the American Academy of Orthopaedic Surgeons*. 26 (2): e39-e47
Note: I personally carried out all the statistical analysis and interpretation in this paper. The Journal of the American Academy of Orthopaedic Surgeons has an impact factor of 2.286.
54. Gates L.B., Pearlmutter S., Keenan K., Divver C., **Gorroochurn P.** (2018) Career Readiness Programming for Youth in Foster Care. *Children and Youth Services Review* 89: 152-164
Note: I personally did all the analysis and interpretation in this paper. Children and Youth Services Review has an impact factor of 1.521.
- 55*. **Gorroochurn P.** (2018) The End of Statistical Independence: The Story of Bose-Einstein Statistics. *The Mathematical Intelligencer* 40 (3): 12-17.
Note: The Mathematical Intelligencer has an impact factor of .397. This article was selected as one of the Notable Writings in 'The Best Writings on Mathematics 2019,' edited by M. Pitici, Princeton University Press.
56. Mascayano F., Alvarado R., Andrews H.F., Jorquera M.J., Lovisi G.M., de Souza F.M., Pratt C., Rojas G., Restrepo-Toro M.E, Fader K., **Gorroochurn P.**, Galea S., Dahl C.M., Cintra J., Conover S., Burrone M.S., Baumgartner J.N., Rosenheck R., Schilling S., Saruço K.R., Stastny P., Tapia E., Cavalcanti M.T., Valencia E., Yang L.H., Susser E. (2019) Implementing the protocol of a pilot randomized controlled trial for the recovery-oriented intervention to people with psychoses in two Latin American cities. *Cadernos de Saúde Pública*: 35(4): 1-10
I contributed greatly to the analysis and interpretation in this paper. Cadernos de Saúde Pública has an impact factor of 1.408.
57. Poon S., Nellans K., Rothman A., Crabb R.A.L, Wendolowski S.F., Kiridly D., Gecelter R., **Gorroochurn P.**, Chahine N.O. (2019) Underrepresented Minority Applicants Are Competitive for Orthopaedic Surgery Residency Programs, but Enter Residency at Lower Rates. *Journal of the American Academy of Orthopaedic Surgeons* 27(21): e957-e968.
Note: I personally carried out all the statistical analysis and interpretation in this paper. Journal of the American Academy of Orthopaedic Surgeons has an impact factor of 2.286.
58. Griffith T., Ahmad C.S., **Gorroochurn P.**, D'Angelo J., Ciccotti M.G., Dines J., Alchek D.W., Camp C.L. (2019) Comparison of Outcomes Based on Graft Type and Tunnel Configuration for Primary Ulnar Collateral Ligament Reconstruction in Professional Baseball Pitchers. *The American Journal of Sports Medicine* 47(5): 1103-1110.
Note: I personally carried out all the statistical analysis and interpretation in this paper. The American Journal of Sports Medicine has a high impact factor of 5.810.

59*. **Gorroochurn P.** (2019) Probability and Kinetic Theory: A Tale of Two Disciplines. *The Mathematical Intelligencer* 41(2): 42-56.

Note: This slightly long paper provides a detailed account of the history of kinetic theory and its relation to the historical development of probability. The Mathematical Intelligencer has an impact factor of .397

60. Crowley S.G., David P. Trofa D.P., Vosseller J.T., **Gorroochurn P.**, Redler L.H., Schiu B., Popkin C.A. Epidemiology of Foot and Ankle Injuries in National Collegiate Athletic Association Men's and Women's Ice Hockey. *Orthopaedic Journal of Sports Medicine* 7(8): 2325967119865908. Published online 2019 Aug 28. doi:10.1177/2325967119865908

Note: I personally carried out the statistical analysis and interpretation in this paper. The Orthopaedic Journal of Sports Medicine has an impact factor of 2.492.

61. de Paula T.R., **Gorroochurn P.**, Kiran, R.P., Keller D.S. (2020) Does Adjuvant Chemotherapy Improve Survival in T3N0 Rectal Cancer? An Evaluation of Use and Outcomes from the National Cancer Database (NCDB). *Journal of Gastrointestinal Surgery* 24: 1188-1191.

Note: I personally carried out the design, statistical analysis and interpretation in this paper. The Journal of Gastrointestinal Surgery has an impact factor of 2.573.

62*. **Gorroochurn P.** (2020) Who Invented the Delta Method, Really? *The Mathematical Intelligencer* 42(3): 46-49.

Note: The Mathematical Intelligencer has an impact factor of .397

63*. Poon S., Nellans K., **Gorroochurn P.**, Chahine N.O. (2020) Race, But Not Gender, is Associated with Admissions into Orthopaedic Residency Programs. *Clin. Orthop. Relat. Res.* Aug 1;480(8):1441-1449

Note: I personally carried out extensive statistical analyses for this paper. Clinical Orthopaedics and Related Research has a high impact factor of 4.329.

64. Gearing R. E., Guetta R., Moore K., **Gorroochurn P.**, Olson L. & Malekoff A. (2021). Tech Connect: Promoting treatment engagement for adolescents with depression. *Community Mental Health Journal* 57(5): 880-883

Note: My contribution in this paper involved one key statistical issue. Community Mental Health Journal has an impact factor of 1.292

65. Hark L.A., Kresch Y.S., De Moraes C.G., Horowitz J.D., Park L., Auran J.D., **Gorroochurn P.**, Stempel S., Maruri S.C., Stidham E.M., Banks A.Z., Saaddine J.B., Lambert B.C., Pizzi L.T., Sapru S., Price S., Williams O.A., Cioffi G.A., Liebmann J.M. (2021) Manhattan Vision Screening and Follow-up Study in Vulnerable Populations (NYC-SIGHT): Design and Methodology. *Journal of Glaucoma*, 30 (5): 388-394

Note: My contribution in this paper involved all issues statistical.

66. Hark L.A., Tan C.S., Kresch Y.S., De Moraes C.G., Horowitz J.D., Park L., Auran J.D., **Gorroochurn P.**, Stempel S., Maruri S.C., Besagar S., Saaddine J.B., Lambert B.C., Pizzi L.T., Sapru S., Price S., Williams O.A., Cioffi G.A., Liebmann J.M. (2021). Manhattan Vision Screening and Follow-Up Study in Vulnerable Populations: 1-Month Feasibility Results. *Curr Eye Res.* 46 (10): 1597-1604
67. de Paula T.R., **Gorroochurn P.**, Simon, H.L., Haas E.M., Keller D.S. (2021) A National Evaluation of the Use and Survival Impact of Adjuvant Chemotherapy in Stage II Colon Cancer from the National Cancer Database (NCDB) (2021). *Colorectal Disease* 24 (1): 40-49
68. de Paula, T.R., **Gorroochurn, P.**, Haas, E.M. and Keller, D.S. (2022). A national evaluation of the predictors of compliance and survival from adjuvant chemotherapy in high-risk stage II colon cancer: a National Cancer Database (NCDB) analysis. *Surgery*, 172(3), pp.859-868.
69. Mascayano F, Alvarado R, Andrews HF, Baumgartner JN, Burrone MS, Cintra J, Conover S, Dahl CM, Fader KM, **Gorroochurn P**, Galea S, Jorquera MJ, Lovisi GM, Mitkiewicz de Souza F, Pratt C, Restrepo-Toro ME, Rojas G, Rodrigues Saruão K, Rosenheck R, Schilling S, Shriver T, Stastny P, Tapia E, Cavalcanti MT, Valencia E, Yang LH, Restrepo Henao A, Martínez-Alés G, Romero Pardo V, Gomez Alemany T, Susser E (2022). A Recovery-Oriented Intervention for People With Psychosis: A Pilot Randomized Controlled Trial. *Psychiatric Services* 73 (11): 1225-1231
70. Hark, L. A., Horowitz, J. D., **Gorroochurn, P.**, Park, L., Wang, Q., Diamond, D. F., Harizman, N., Auran, J. D., Maruri, S. C., Henriquez, D. R., Carrion, J., Muhire, R. S. M., Kresch, Y. S., Pizzi, L. T., Jutkowitz, E., Sapru, S., Sharma, T., De Moraes, C. G., Friedman, D. S., Liebmann, J. M., ... Cioffi, G. A. (2023). Manhattan Vision Screening and Follow-up Study (NYC-SIGHT): Baseline Results and Costs of a Cluster-Randomized Trial. *American Journal of Ophthalmology*, 251, 12–23.
71. Concepción-González, A., Sarmiento, J. M., Rymond, C. C., Ezech, C., Sinha, R., Lin, H., Lu, K., Bobby, A. Z., **Gorroochurn, P.**, Royce, B. D., Ilharreborde, B., Larson, A. N., Vitale, M. G., European Pediatric Orthopaedic Society Spine Study Group, Pediatric Spine Study Group, & Harms Study Group (2024). Evaluating compliance with the 2013 best practice guidelines for preventing surgical site infection in high-risk pediatric spine surgery. *Spine Deformity*, 12(1), 47–56.
72. Horowitz, J. D., Adeghate, J. O., Karani, R., Henriquez, D. R., **Gorroochurn, P.**, Sharma, T., Park, L., Wang, Q., Diamond, D. F., Harizman, N., Auran, J. D., Maruri, S. C., Liebmann, J. M., Cioffi, G. A., & Hark, L. A. (2024). Manhattan Vision Screening and Follow-Up Study: (NYC-SIGHT)Tele-Retinal Image Findings and Importance of Photography. *Telemedicine Journal and e-Health: The Official Journal of the American Telemedicine Association*, 30(3), 664–676.
73. Han, D. S., Ingram, J. W., **Gorroochurn, P.**, Badalato, G. M., Anderson, C. B., Joice, G. A., & Simhan, J. (2023). The State of Urotrauma Education Among Residency Programs in the United States: A Systematic Review and Meta-Analysis. *Current Urology Reports*, 24(11), 503–513
74. Popkin, C. A., Morrisette, C. R., Fortney, T. A., McCormick, K. L., **Gorroochurn, P.**, & Stuart, M. J. (2023). Fighting and Penalty Minutes Associated With Long-term Mortality Among National Hockey League Players, 1967 to 2022. *JAMA Network Open*, 6(5), e2311308.

75. Hark, L. A., Lin, W. V., Hirji, S., **Gorroochurn, P.**, Horowitz, J. D., Diamond, D. F., Park, L., Wang, Q., Auran, J. D., Maruri, S. C., Henriquez, D. R., Sharma, T., Valenzuela, I., Liebmann, J. M., Cioffi, G. A., Friedman, D. S., & Harizman, N. (2024). Manhattan Vision Screening and Follow-Up Study (NYC-SIGHT): Subanalysis of Referral to Ophthalmology. *Current Eye Research*, 49(2), 197–206.
76. Johnson, J., **Gorroochurn, P.**, Movassaghi, M., Han, D. S., Villanueva, J., Schulster, M., & Shah, O. (2023). Antimicrobial Prophylaxis for Percutaneous Nephrolithotomy: Contemporary Practice Patterns. *Journal of Endourology* 37(12): 1248-1253.
77. Johnson, J., Lee, J., Movassaghi, M., Han, D., Pingle, S. R., Williams, J., Schulster, M., **Gorroochurn, P.**, Shao, Y., & Shah, O. (2024). Comparative Analyses and Ablation Efficiency of Thulium Fiber Laser by Stone Composition. *The Journal of Urology*, 211(3), 445–454.
78. Diamond, D. F., Hirji, S., Xing, S. X., **Gorroochurn, P.**, Horowitz, J. D., Wang, Q., Park, L., Harizman, N., Maruri, S. C., Henriquez, D. R., Liebmann, J. M., Cioffi, G. A., & Hark, L. A. (2024). Manhattan Vision Screening and Follow-Up Study (NYC-SIGHT): optometric exam improves access and utilization of eye care services. *Graefes's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 262(5), 1619–1631.
79. Morse, A. R., Hark, L. A., *Gorroochurn, P.*, Rojas, R., Seiple, W. H., Shukla, A. G., Wang, Y., Maruri, S. C., Henriquez, D. R., Harizman, N., Wang, Q., Liebmann, J. M., & Cioffi, G. A. (2024). Association of Psychosocial Factors with Activation Among Patients with Glaucoma. *Ophthalmology. Glaucoma*, 7(4), 410–417.
80. Diamond, D. F., Kresch, Y. S., **Gorroochurn, P.**, Park, L., Horowitz, J. D., Wang, Q., Maruri, S. C., Henriquez, D. R., Harizman, N., Carrion, J., Liebmann, J. M., Cioffi, G. A., & Hark, L. A. (2024). Manhattan Vision Screening and Follow-up Study (NYC-SIGHT): Vision and refractive error results. *Clinical & Experimental Optometry*, 1–8. Advance online publication.
81. Concepción-González, A., Sarmiento, J. M., Rymond, C. C., Ezech, C., Sinha, R., Lin, H., Lu, K., Bobby, A. Z., **Gorroochurn, P.**, Larson, A. N., Roye, B. D., Ilharreborde, B., Vitale, M. G., & European Pediatric Orthopaedic Society Spine Study Group, Pediatric Spine Study Group, Harms Study Group (2024). Evaluating compliance with the best practice guidelines for wrong-level surgery prevention in high-risk pediatric spine surgery. *Spine Deformity*, 12(4), 923–932
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83. Givens, R., Bousleiman, J., Herbert, M.M., Bobby, A.Z., Lu, K., Koder, A.M., Rosenwasser, K.A., **Gorroochurn, P.** and Russo, C.M., (2024) Pediatric Bone Health in the Community: Caretaker Comprehension. *Journal of the Pediatric Orthopaedic Society of North America*, p.100055.
84. Denham, M. W., Tucker, L. H., **Gorroochurn, P.**, & Golub, J. S. (2024). Hearing Loss and Reduced Income Growth: A Longitudinal Socioeconomic Analysis. *Otolaryngology--head and neck surgery: official journal of American Academy of Otolaryngology-Head and Neck Surgery*, 171(3), 740–746.
85. Neckonoff, E. L., Marte, J., **Gorroochurn, P.**, Joice, G. A., & Anderson, C. B. (2024). National Trends of Inpatient Radiation Cystitis: 2016-2019. *Urology Practice*, 11(4), 700-707.
86. Neckonoff, E. L., Marte, J., **Gorroochurn, P.**, Joice, G. A., & Anderson, C. B. (2024). Reply by Authors. *Urology practice*, 11(4), 707.
87. Badalato, G. M., Khan, S., **Gorroochurn, P.**, Lemack, G. E., McKiernan, J. M., Hruby, G., & Anderson, C. B. (2024). The Impact of American Board of Urology Certification on Postoperative Outcomes for Patients in New York State. *Urology Practice*, 11(5), 893–899.
88. Bonsignore-Opp, L., Malka, M. S., **Gorroochurn, P.**, Bender, J., Kunes, J. A., Fogel, H., Schweppe, E., Vosseller, J. T., & Greisberg, J. K. (2024). What Is the Risk of Irrigation and Debridement Following Foot and Ankle Surgery? Development of a Risk Severity Scoring System. *Clinical orthopaedics and related research*, 10.1097/CORR.0000000000003177. Advance online publication.
89. Joffe, B. I., Martina, L. P., Stillman, M., Rust, D., **Gorroochurn, P.**, Lenis, A. T., DeCastro, G. J., McKiernan, J. M., & Anderson, C. B. (2024). Tumor characteristics in immunosuppressed and renal dysfunction populations. *Urologic oncology*, S1078-1439(24)00651-3. Advance online publication.
90. Chernick, L. S., Bugaighis, M., Hochster, D., Daylor, V., **Gorroochurn, P.**, Schnall, R., Stockwell, M. S., & Bell, D. (2024). A Randomized Controlled Trial of a Digital Intervention to Improve the Sexual Health of Adolescent and Young Adult Male Emergency Department Patients. *The Journal of adolescent health: official publication of the Society for Adolescent Medicine*, S1054-139X(24)00416-6. Advance online publication.
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