

Zubin J. Modi, MD
Clinical Lecturer

Division of Pediatric Nephrology, Department of Pediatrics
1540 E. Hospital Drive, Room 12-250
Ann Arbor, MI 48109-4297
Phone: 734-936-4210
Fax: 734-763-6997
Email: modiz@med.umich.edu

Education and Training

Education

08/2004-05/2008 BS, Neuroscience; Asian Studies, University of Michigan, Ann Arbor, MI
08/2008-05/2012 MD, Michigan State University College of Human Medicine, East Lansing, MI
07/2017-12/2019 MS, Health and Health Care Research, University of Michigan, Ann Arbor, MI

PostDoctoral Training

06/2012-06/2015 Residency, Pediatrics, Children's National Medical Center, Washington, DC
07/2015-06/2018 Fellowship, Pediatric Nephrology, University of Michigan, Ann Arbor, MI
07/2016-06/2018 Research Fellow, T32 Research Fellow, University of Michigan, Ann Arbor, MI

Additional Education

01/2017-12/2019 Advocacy and Governmental Affairs Pertaining to Health Care, John E. Lewy Foundation
Advocacy Scholar, Washington, DC

Certification And Licensure

Certification

10/2015-12/2025 American Board of Pediatrics - General #114187

Licensure

03/2015-01/2022 State of Michigan, Controlled Substance
03/2015-01/2022 State of Michigan, Medical License
12/2020-01/2024 State of Michigan, DEA Registration

Academic, Administrative, Clinical, Research and Military Appointments

Academic Appointments

09/2018-present Clinical Lecturer in Pediatrics - Nephrology, University of Michigan - Ann Arbor, Ann Arbor, Michigan

Clinical Appointments

09/2018-present Pediatric Nephrologist, Michigan Medicine, Ann Arbor, MI

Research Positions

09/2018-present Faculty Investigator, Child Health Evaluation and Research Center (CHEAR), University of Michigan, Ann Arbor, MI

Clinical Interests

- Pediatric Chronic Kidney Disease
- Pediatric Renovascular Hypertension
- Acute Care Nephrology

Research Interests

- Epidemiology and population level surveillance of pediatric chronic kidney disease
- Identification, health care delivery, and outcomes in pediatric chronic kidney disease
- Medicaid insurance policy pertaining to children with chronic illness

Grants

Current Grants

MICHR K Mentored Clinical Scientist Career Development Award Michigan Institute for Clinical and Health Research
Zubin Modi, PI
01/2021-02/2023

Identification of pediatric chronic kidney disease and health services use in a national cohort University of Michigan
Department of Pediatrics
Zubin Modi, PI
11/2019-11/2021

DP006254: CDC CKD Surveillance Initiative Centers for Disease Control and Prevention
Co-I with Effort (Principal Investigator: Rajiv Saran)
09/2019-09/2021

066174: Chronic Kidney Disease Study in Children (CKiD) SubK-NIH-DHHS-US through a consortium with The Children's Hospital of Phi- 18-PAF01515
Other (Principal Investigator: Zubin Modi)
08/2018-07/2023. \$60,770 (\$60,770)

Submitted Grants

Preserving Kidney Function in Children with Chronic Kidney Disease (PRESERVE) Patient-Centered Outcomes Rese through a consortium with The Children's Hospital of Phi- 21-PAF00753
Modi, Zubin Juzer, PI
06/2021-05/2024. \$181,720

Past Grants

HHSN2762014: United States Renal Data System Coordinating Center NIH-DHHS-US- 19-PAF06729; 19-PAF04767
Co-I with Effort (Principal Investigator: Rajiv Saran)
02/2019-08/2019. (\$558,981)

HHSN2762014: United States Renal Data System Coordinating Center NIH-DHHS-US- 19-PAF04767; 19-PAF06729
Co-I with Effort (Principal Investigator: Rajiv Saran)
02/2019-08/2019. (\$97,353)

5T32DK007378: Ruth L. Kirschstein Institutional National Research Service Award National Institutes of Health
Other (Principal Investigator: Subramaniam Pennathur)
07/2016-06/2018

Validation of computable phenotype for pediatric chronic kidney disease Percy J. Murphy, M.D. and Mary C. Murphy, R.N. Endowed Children's Research Fund, University of Michigan
Zubin Modi, PI
06/2016-06/2018

Honors and Awards

National

2012	Induction, Gold Humanism Honor Society
2014	American Society of Pediatric Nephrology Travel Grant
2016	American Society of Nephrology Karen L. Campbell, PhD, Travel Support Program for Fellows (Program Mentor)

2018 American Society of Pediatric Nephrology Trainee Clinical Research Award

Institutional

2007-2008 Honors for Academic Achievement, University of Michigan, Ann Arbor, MI
2016-2017 Making A Difference Award (pediatric nephrology care team member recognition award), C.S. Mott Children's Hospital, Ann Arbor, MI.
2016 Fellow Teaching Award (one pediatric fellow recognized annually), C.S. Mott Children's Hospital, Ann Arbor, MI.
2017 Pediatric Research Symposium Honorable Mention, University of Michigan, Ann Arbor, MI.

Memberships in Professional Societies

2012 Member, Gold Humanism Honor Society
2015 Member, American Society of Nephrology
2015 Member, American Society of Pediatric Nephrology

Editorial Positions, Boards, and Peer-Review Service

Journal Reviewer

present American Journal of Preventative Medicine (Ad Hoc)
present International Journal of Nephrology (Ad Hoc)
present JAMA Open (Ad Hoc)
present Journal of the American College of Cardiology (Ad Hoc)

Teaching

Clinical Fellow

09/2019-present Dorota Marchel, University of Michigan
10/2020-present Leonela Villegas, Children's Hospital of Philadelphia

Teaching Activity

Institutional

09/2018-present Small-Group Facilitator: Acute Kidney Injury, Michigan Transition to Clerkship, University of Michigan Medical School
03/2019-present Renal Emergencies, M4 Boot Camp, University of Michigan Medical School
09/2019-present Small-Group Facilitator: Hyponatremia, Michigan Transition to Clerkship, University of Michigan Medical School

Clinical Track Scholarly Contribution

Clinician-Patient Safety/Quality Innovator

Estimated GFR Calculation on Routine Lab Reporting- Leading a team working to develop and implement a protocol for calculation and reporting of estimated glomerular filtration rate on typical pathology lab reports.

Kayexalate Decanting Hospital Protocol Development and Implementation - Clinician representative on a team assembled to enact hospital-wide protocol for Kayexalate decanting of formula. The project includes input from pharmacists, dieticians, formula preparation team, and hospital administration.

Committee and Administrative Services

Committee Services

National

2016-present Public Policy Committee, American Society of Pediatric Nephrology, Member

Institutional

2019-2020 Pediatric Nephrology Fellowship Program Evaluation Committee, Member

2019-present	Child Health Evaluation and Research Center (CHEAR) Fellowship Steering Committee, Member
2019-present	Scholarship Oversight Committee (D. Marchel), Member
2019	Pediatric Nephrology Fellowship Clinical Competency Committee, Member

Visiting Professorships and Extramural Invited Presentations

Visiting Professorships

08/2020	Population Approach to Pediatric Chronic Kidney Disease, Children's Hospital of Atlanta / Emory University, August 2020, Atlanta, Georgia
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Extramural Invited Presentations

1. Urine the Know Workshop. Risk of Cardiovascular Hospitalization and Mortality in Children and Young Adults with End-Stage Renal Disease., Pediatric Academic Societies., May 2020, Philadelphia, PA
2. Secondary Causes of Pediatric Hypertension, Pediatric Academic Societies, May 2021, Virtual

Seminars

1. Pediatric Transplantation, University of Michigan Transplant Center CME Program, October 2018, Livonia, MI

Bibliography

Peer-Reviewed Journals and Publications

1. Zou S, Kamei H, Modi Z, Duan C: Zebrafish IGF genes: gene duplication, conservation and divergence, and novel roles in midline and notochord development. *PLoS One* 4(9): e7026, 2009. PM19759899 /PMC2738950
2. Carter S, Tuluca C, **Modi ZJ**, Shah N, Muszynski M.: Langerhans cell histiocytosis Consultant for Pediatricians: 2014. (In Press)
3. Saran R, Robinson B, Abbott KC, Agodoa LYC, Bhavane N, Bragg-Gresham J, Balkrishnan R, Dietrich X, Eckard A, Eggers PW, Gaipov A, Gillen D, Gipson D, Hailpern SM, Hall YN, Han Y, He K, Herman W, Heung M, Hirth RA, Hutton D, Jacobsen SJ, Jin Y, Kalantar-Zadeh K, Kapke A, Kovesdy CP, Lavalley D, Leslie J, McCullough K, Modi Z, Molnar MZ, Montez-Rath M, Moradi H, Morgenstern H, Mukhopadhyay P, Nallamothe B, Nguyen DV, Norris KC, O'Hare AM, Obi Y, Park C, Pearson J, Pisoni R, Potukuchi PK, Rao P, Repeck K, Rhee CM, Schragger J, Schaubel DE, Selewski DT, Shaw SF, Shi JM, Shieu M, Sim JJ, Soohoo M, Steffick D, Streja E, Sumida K, Tamura MK, Tilea A, Tong L, Wang D, Wang M, Woodside KJ, Xin X, Yin M, You AS, Zhou H, Shahinian V: US Renal Data System 2017 Annual Data Report: Epidemiology of Kidney Disease in the United States. *Am J Kidney Dis* 71(3 Suppl 1): A7, 2018. PM29477157/PMC6593155
4. Modi ZJ, Lu Y, Ji N, Kapke A, Selewski DT, Dietrich X, Abbott K, Nallamothe BK, Schaubel DE, Saran R, Gipson DS: Risk of Cardiovascular Disease and Mortality in Young Adults With End-stage Renal Disease: An Analysis of the US Renal Data System. *JAMA Cardiol* 4(4): 353-362, 2019. PM30892557 /PMC6484951
5. Saran R, Robinson B, Abbott KC, Agodoa LYC, Bragg-Gresham J, Balkrishnan R, Bhavane N, Dietrich X, Ding Z, Eggers PW, Gaipov A, Gillen D, Gipson D, Gu H, Guro P, Haggerty D, Han Y, He K, Herman W, Heung M, Hirth RA, Hsiung JT, Hutton D, Inoue A, Jacobsen SJ, Jin Y, Kalantar-Zadeh K, Kapke A, Kleine CE, Kovesdy CP, Krueter W, Kurtz V, Li Y, Liu S, Marroquin MV, McCullough K, Molnar MZ, Modi Z, Montez-Rath M, Moradi H, Morgenstern H, Mukhopadhyay P, Nallamothe B, Nguyen DV, Norris KC, O'Hare AM, Obi Y, Park C, Pearson J, Pisoni R, Potukuchi PK, Repeck K, Rhee CM, Schaubel DE, Schragger J, Selewski DT, Shamraj R, Shaw SF, Shi JM, Shieu M, Sim JJ, Soohoo M, Steffick D, Streja E, Sumida K, Kurella Tamura M, Tilea A, Turf M, Wang D, Weng W, Woodside KJ, Wyncott A, Xiang J, Xin X, Yin M, You AS, Zhang X, Zhou H, Shahinian V: US Renal Data System 2018 Annual Data Report: Epidemiology of Kidney Disease in the United States. *Am J Kidney Dis* 73(3 Suppl 1): A7-A8, 2019. PM30798791/PMC6620109
6. Oh GJ, Waldo A, Paez-Cruz F, Gipson PE, Pesenson A, Selewski DT, Kamil ES, Massengill SF, Lafayette RA, Modes M, Adler SG, Desmond H, Eikstadt R, Attalla S, Modi ZJ, Troost JP, Gipson DS: Steroid-Associated Side Effects in Patients With Primary Proteinuric Kidney Disease. *Kidney Int Rep* 4 (11): 1608-1616, 2019. PM31891002/PMC6933464

7. Overman RE, Criss CN, Modi ZJ, Gadepalli SK: Early nephrectomy in neonates with symptomatic autosomal recessive polycystic kidney disease. *J Pediatr Surg*: 2020. PM32507635
8. He X, Modi Z, Else T: Hereditary causes of primary aldosteronism and other disorders of apparent excess mineralocorticoid activity. *Gland Surg* 9(1): 150-158, 2020. PM32206607/PMC7082269
9. Coleman DM, Eliason JL, Beaulieu R, Jackson T, Karmakar M, Kershaw DB, Modi ZJ, Ganesh SK, Khaja MS, Williams D, Stanley JC, University of Michigan Pediatric Renovascular Hypertension Center.: Surgical management of pediatric renin-mediated hypertension secondary to renal artery occlusive disease and abdominal aortic coarctation. *J Vasc Surg* 72(6): 2035-2046.e1, 2020. PM32276020 /PMC7541589
10. Saran R, Robinson B, Abbott KC, Bragg-Gresham J, Chen X, Gipson D, Gu H, Hirth RA, Hutton D, Jin Y, Kapke A, Kurtz V, Li Y, McCullough K, Modi Z, Morgenstern H, Mukhopadhyay P, Pearson J, Pisoni R, Repeck K, Schaubel DE, Shamraj R, Steffick D, Turf M, Woodside KJ, Xiang J, Yin M, Zhang X, Shahinian V: US Renal Data System 2019 Annual Data Report: Epidemiology of Kidney Disease in the United States. *Am J Kidney Dis* 75(1 Suppl 1): A6-A7, 2020. PM31704083
11. Modi ZJ, Waldo A, Selewski DT, Troost JP, Gipson DS: Inpatient Pediatric CKD Health Care Utilization and Mortality in the United States. *Am J Kidney Dis*: 2020. PM33058964

Other Media

Other

1. Lead author: **Modi ZJ**: Urine Albumin Testing in Patients with Diabetes. Official CDC communication. https://nccd.cdc.gov/ckd/AreYouAware.aspx?emailDate=November_2016, Official CDC communication, CDC CKD Surveillance System, 2016.
2. Lead author: **Modi ZJ**: Almost 10,000 Children and Adolescents in United States Are Living with End-Stage Renal Disease. https://nccd.cdc.gov/ckd/AreYouAware.aspx?emailDate=July_2017, Official CDC communication., CDC CKD Surveillance System, 2017.

Abstracts

1. **Modi ZJ**, Lu Y, Ji N, Kapke A, Selewski D, Dietrich X, Abbott K, Plattner B, Nallamotheu B, Schaubel D, Saran R, Gipson D.: Cardiovascular mortality in young adults with end-stage renal disease: An analysis of the United States Renal Data System., University of Michigan Pediatric Research Symposium, Ann Arbor, MI, 10/2016.
2. **Modi ZJ**, Robinson I, Banerjee T, Powe N, Saydah S, Rolka D, Saran R, Gipson D.: Identification and prevalence of pediatric chronic kidney disease in a large national insurance database., American Society of Nephrology Kidney Week, New Orleans, LA., 11/2017.
3. **Modi ZJ**, Selewski D, Wang D, Dietrich X, Kapke A, Saran R, Gipson D.: Childhood Onset ESRD Survivorship in the United States., Pediatric Academic Societies Meeting, Toronto, Canada., 05/2018.
4. **Modi ZJ**, Waldo A, Troost J, Semenov D, Selewski D, Gipson D.: Inpatient health care utilization of children and adolescents with chronic kidney disease in the United States., Pediatric Academic Societies Meeting, Toronto, Canada, 05/2018.
5. **Modi ZJ**, Zhang X, Li Y, Tout D, Powe N, Pavkov ME, Burrows NR, Saran R.: State-level Kidney Disease Surveillance Using Medicaid Data in Michigan., National Kidney Foundation Spring Clinical Meeting,, Boston, MA., 05/2019.
6. **Modi ZJ**, Zhang Xi, Tout D, Powe N, Pavkov ME, Burrows NR, Saran R, Gipson DS: Pediatric Kidney Disease Surveillance Using Medicaid Data in Michigan, Pediatric Academic Societies Meeting, Baltimore, MD., 05/2019.
7. **Modi ZJ**, Zhang X, Li Y, Tout D, Powe N, Pavkov ME, Burrows NR, Saran R.: State-level Kidney Disease Surveillance Using Medicaid Data in Michigan and California., American Society of Nephrology Kidney Week, Washington DC, 11/2019.