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Education and Training

Education

- 8/2004 - 5/2008 Bachelors of Science; Neuroscience
University of Michigan, Ann Arbor, MI
- 8/2008 - 5/2012 Doctor of Medicine
College of Human Medicine, Michigan State University, East Lansing,
MI
- 7/2017 - Masters of Science; Health and Healthcare Research
Institute for Health Policy and Innovation and Rackham School of
Graduate Studies, University of Michigan, Ann Arbor, MI

Postdoctoral Training

- 6/2012 - 6/2015 Internship and Residency in Pediatrics, Children's National Medical
Center, Washington, DC.
- 4/2014 - 5/2014 Resident Fellowship in Health Policy, George Washington University,
Washington, DC.
- 7/2015 - 6/2016 Clinical Fellow in Pediatric Nephrology, University of Michigan, Ann
Arbor, MI.
- 7/2016 - 6/2018 T32 Research Fellow in Pediatric Nephrology, University of Michigan,
Ann Arbor, MI.
- 7/2017 - 6/2018 Clinician Scholar, Institute for Health Policy and Innovation,
University of Michigan, Ann Arbor, MI.
- 1/2017 - John E. Lewy Foundation Advocacy Scholar, American Society of
Pediatric Nephrology.

Academic, Administrative, and Clinical Appointments

Academic Appointments:

- 9/2018 - Clinical Lecturer, Department of Pediatrics and Communicable
Disease, University of Michigan, Ann Arbor, MI

Clinical Appointments:

- 9/2018 - Staff Pediatric Nephrologist, Michigan Medicine, Ann Arbor, MI

Certification and Licensure

- 4/2015 - US Department of Justice DEA License
- 3/2015 - Board of Medicine and Board of Pharmacy Licensure, Michigan
#4301106778/ 5315068980
- 10/2015 - Board Certification in General Pediatrics, American Board of Pediatrics

Research Interests

- Epidemiology and population level surveillance of pediatric chronic kidney disease
- Health services, health care utilization, and outcomes in pediatric chronic kidney disease
- Health insurance policy, specifically Medicaid coverage in childhood chronic illness

Grants and Funding

- 6/2016 - 6/2018 Percy J. Murphy, M.D. and Mary C. Murphy, R.N. Endowed Children's Research Fund (Award \$12,884)
Title: Validation of computable phenotype for pediatric chronic kidney disease
Project Mentor: Debbie Gipson M.D., M.S.
Role: Principle Investigator
- 7/2016 - 6/2018 National Institutes of Health T32 Training Grant (5T32DK007378-38)
Project: Identification, health care utilization, and outcomes in pediatric chronic kidney disease
Training Grant PI: Subramaniam Pennathur, M.D.
Role: Research Fellow

Bibliography

Peer-Reviewed Publications

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*. 2009 Sep 17;4(9):e7026. PMID: 19759899

Carter S, Tuluca C, **Modi Z**, Shah N, Muszynski M. (2014) Langerhans cell histiocytosis. *Consultant for Pediatricians*. 2014;13(3):141-142.

Saran R, Robinson B, Abbott KC, [et al, including **Modi Z**]. US Renal Data System 2017 Annual Data Report: Epidemiology of Kidney Disease in the United States. *Am J Kidney Dis*. 2018 Mar;71(3S1):A7. PubMed PMID: 29477157.

Manuscripts in Preparation

Modi Z*, Lu Y*, Ji N, Kapke A, Selewski D, Dietrich X, Abbott K, Plattner B, Nallamothe 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. [under-review]

Modi Z, 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.

Modi Z, Wang D, Selewski D, Kapke A, Dietrich X, Saran R, Gipson D. Adult survivorship of childhood onset ESRD in the US.

Abstract and Presentations

Modi Z, Ray P. (May 2015) A pilot study to determine the appropriate fluid and electrolyte requirements in critically ill children at risk of developing vascular permeability changes and fluid overload. Children's National Medical Center Research and Education Week, Washington, DC.

Modi Z, Lu Y, Ji N, Kapke A, Selewski D, Dietrich X, Abbott K, Plattner B, Nallamothe B, Schaubel D, Saran R, Gipson D. (October 2016). 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.

Modi Z, Robinson I, Banerjee T, Powe N, Saydah S, Rolka D, Saran R, Gipson D. (November 2017) Identification and prevalence of pediatric chronic kidney disease in a large national insurance database. American Society of Nephrology Kidney Week, New Orleans, LA.

Modi Z, Waldo A, Troost J, Semenov D, Selewski D, Gipson D. (May 2018) Inpatient health care utilization of children and adolescents with chronic kidney disease in the United States. Pediatric Academic Societies Meeting, Toronto, Canada.

Modi Z, 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.

Other Media

Urine Albumin Testing in Patients with Diabetes. Lead author. CDC CKD Surveillance System. November 2016. Official CDC communication.

https://nccd.cdc.gov/ckd/AreYouAware.aspx?emailDate=November_2016

Almost 10,000 Children and Adolescents in United States Are Living with End-Stage Renal Disease. Lead author. CDC CKD Surveillance System. July 2017. Official CDC communication. https://nccd.cdc.gov/ckd/AreYouAware.aspx?emailDate=July_2017

Advocacy Experience

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| 1/2017 - | John E. Lewy Foundation Advocacy Scholar, American Society of Pediatric Nephrology
Scholar in nationally competitive two-year immersive experience for skills development in leadership, advocacy, and governmental affairs. |
| 4/2017 | American Society of Pediatric Nephrology Hill Day, Washington, DC
Participated in advocacy day. Met with lawmakers regarding issues of kidney donation, NIH funding, and insurance coverage. |
| 4/2018 | American Academy of Pediatrics Legislative Conference |

Quality Improvement, Committee, and Volunteer Service

Quality Improvement

8/2016 -

Kayexalate Decanting Hospital Protocol Development and Implementation, C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI.

Clinician representative on team assembled to enact hospital wide protocol for Kayexalate decanting of formula. Project includes input from pharmacists, dieticians, formula preparation team, and hospital administration.

Committee Service

2009 - 2010

Mentorship Committee Chair, American Medical Student Association, Michigan State University College of Human Medicine, East Lansing, MI.

2012 - 2013

Residency Application Coordinator, Children's National Medical Center, Washington, DC.

2013 - 2014

Member, Committee of Interns and Residents Union Collective Bargaining Negotiation Committee, Children's National Medical Center, Washington, DC.

2014 - 2015

Union Departmental Representative, Committee of Interns and Residents, Children's National Medical Center, Washington, DC.

9/2016 -

Member, Public Policy Committee, American Society of Pediatric Nephrology

Volunteer Service

2005 - 2008

Volunteer Director, Pre-Medical Club/Community Service Alliance, University of Michigan, Ann Arbor, MI and Santo Domingo, Dominican Republic.

2009 - 2012

Medical Volunteer, Care Free Medical, Lansing, MI.

Spent between 4-40 hours a week as a volunteer for a free clinic, including 2 months of full time work. Provided patient care as medical student with attending supervision.

Honors and Awards

2007, 2008

Honors for Academic Achievement, University of Michigan, Ann Arbor, MI

2012

Induction, Gold Humanism Honor Society

2013

Best Intern Award (awarded by hospital nursing staff), Children's National Medical Center, Washington, DC.

2013

Research, Education, Advocacy, Child Health Program (awarded protected research time during residency), Children's National Medical Center, Washington, DC.

2014

American Society of Pediatric Nephrology Travel Grant

2016

Fellow Teaching Award (one pediatric fellow recognized annually), C.S. Mott Children's Hospital, Ann Arbor, MI.

2016

American Society of Nephrology Karen L. Campbell, PhD, Travel Support Program for Fellows (Program Mentor)

- 2016, 2017 Making A Difference Award (pediatric nephrology care team member recognition award), C.S. Mott Children's Hospital, Ann Arbor, MI.
- 2017 Pediatric Research Symposium Honorable Mention, University of Michigan, Ann Arbor, MI.
- 2018 American Society of Pediatric Nephrology Trainee Clinical Research Award

Professional Society Membership

- 2012 - 2015 American Academy of Pediatrics
- 2012 - Gold Humanism Honor Society
- 2015 - American Society of Pediatric Nephrology
- 2015 - American Society of Nephrology
- 2016 - Society for Pediatric Research