

## *Curriculum Vitae*

**Date Prepared:** February 26, 2020  
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### Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1994	B.S. (Summa cum laude)	Molecular Biology	University of Maryland, College Park
1998	M.D. (Honors)	Medicine with Honors	George Washington University
2004	M.H.Sc.	Clinical Health Sciences/Biostatistics	Duke University

### Postdoctoral Training

Year(s)	Titles	Specialty/Discipline	Institution
6/1998-7/1999	Internship	Internal Medicine	Duke University Medical Center
7/1999-7/2001	Residency	Internal Medicine	Duke University Medical Center
7/2001-7/2004	Fellowship	Nephrology	Duke University Medical Center
7/2002-7/2004	Research Fellow	Nephrology – T32	Duke University Medical Center; <i>Duke Clinical Research Institute</i>

### Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
9/2004-9/2011	Assistant Professor of Medicine	Internal Medicine, Nephrology	University of Texas Southwestern Medical Center, Dallas
9/2011-9/2017	Associate Professor of Medicine	Internal Medicine, Nephrology	University of Texas Southwestern Medical Center, Dallas
6/2012-9/2017	Division Chief	Nephrology Section	VA Medical Center, Dallas
09/2017-Present	Professor of Medicine	Internal Medicine, Nephrology	University of Texas Southwestern Medical Center, Dallas
09/2017-Present	Associate Vice Chair for Research	Internal Medicine	University of Texas Southwestern Medical Center, Dallas

## **Current Licensure and Certification**

### Licensure

North Carolina

Texas

### Board and Other Certification

2001 Internal Medicine, American Board of Internal Medicine

2004, 2014 Nephrology, American Board of Internal Medicine

## **Honors and Awards**

<b>Year</b>	<b>Name of Honor/Award</b>	<b>Awarding Organization</b>
1994	NIH Biomedical Research Internship	NIMH, Bethesda
1995	NIH Medical Student Research Fellowship	NIAID, Bethesda
1996	First Place Award for Research	Donald Glew, George Washington University Medical School
1997	Columbian Women's Scholarship	George Washington University Medical School
2002	Agency for Healthcare Research and Quality Fellowship Award	Duke University Medical Center – NIH T32 training program
2004	First Place Award for Research	Southern Society for Clinical Investigation Nephrology Young Investigators Forum, New Orleans
2004	Duke Clinical Research Institute Research Fellow's Award	Duke University Medical Center
2013	Fellow of the American Society of Nephrology	American Society of Nephrology
2015	Program Committee Service Award	American Society of Nephrology
2016	VA Nursing Education Award	Dallas VA Nursing Service
2016	<i>Excellence in Mentorship Program</i>	UT Southwestern Medical Center
2017	Yin Quan-Yuen Distinguished Professorship in Nephrology	UT Southwestern Medical Center
2018	Selected for <i>Executive Leadership Program</i>	Alliance for Academic Internal Medicine, Boston, MA
2018	Outstanding Reviewer for Circulation 2017 – 2018	<i>Circulation Journal, American Heart Association</i>
2019	National nominee for Councilor-at-Large	American Society of Nephrology
2020	Leaders in Clinical Excellence Mentoring Award	UT Southwestern Medical Center

**Appointments at Hospitals/Affiliated Institutions**

<b>Year(s)</b>	<b>Position Title</b>	<b>Department/Division</b>	<b>Institution</b>
9/2004-9/2017	Staff Physician	Nephrology	VA North Texas, Dallas
9/2004-Present	Staff Physician	Nephrology	Clements University Hospital
9/2004-Present	Staff Physician	Nephrology	Parkland Hospital
9/2004-Present	Staff Physician	Nephrology	Zale Hospital

**Major Administrative/Leadership Positions**

<b>Year(s)</b>	<b>Position Title</b>	<b>Institution</b>
12/2008-4/2011	Associate Program Director- Nephrology Fellowship Training Program	University of Texas Southwestern Medical Center, Dallas
4/2011-9/2015	Program Director- Nephrology Fellowship Training Program	University of Texas Southwestern Medical Center, Dallas
6/2012-9/2017	Chief of Nephrology	V.A. North Texas Health Care System
9/2017-Present	Director of Nephrology Clinical and Population Health Research	University of Texas Southwestern Medical Center, Dallas
9/2017-Present	Associate Vice Chair of Medicine for Research	University of Texas Southwestern Medical Center, Dallas
2019-Present	Co-Director, O'Brien Kidney Clinical and Translational Core	University of Texas Southwestern Medical Center, Dallas

**Committee Service** (*Member, unless noted otherwise*)

<b>Year(s)</b>	<b>Name of Committee</b>	<b>Institution/Organization</b>
<b><u>UTSW</u></b>		
10/2013-Present	O'Brien Kidney Research Executive Committee	UT Southwestern Medical Center, Dallas
7/2014-9/2015	Chair, Clinical Competency Committee, Nephrology Fellowship	UT Southwestern Medical Center, Dallas
9/2015-Present	Member, Clinical Competency Committee, Nephrology Fellowship	UT Southwestern Medical Center, Dallas
1/2018-Present	Physician Scientist Recognition Committee, Department of Internal Medicine	UT Southwestern Medical Center, Dallas
2019	Aston Renovation Research Space Committee	UT Southwestern Medical Center, Dallas
2019-present	Member, Promotions and Tenure Committee	UT Southwestern Medical Center, Dallas
2019-present	Clinical Strategic Planning   Clinical / Translational Research Connectivity Workgroup	UT Southwestern Medical Center, Dallas

4/2020-present	Co-chair, COVID-19 Patient Registry Collaborative (appointed by the Dean)	UT Southwestern Medical Center, Dallas
11/2020-present	Clinical Research Advisory Council	UT Southwestern Medical Center, Dallas
02/2021-present	Aston Operations Committee (U9 Clinical Trials Space)	UT Southwestern Medical Center, Dallas
<b><u>Hospital</u></b>		
2005-2017	Pharmacy and Therapeutics Committee	VA North Texas Health Care System, Dallas
2005-2007	Medical Advisor, Medication Error Subcommittee	VA North Texas Health Care System, Dallas
10/2010-12/2012	Member, Institutional Review Board	VA North Texas Health Care System, Dallas
<b><u>National/International</u></b>		
2002-2006	Member, Clinical Events Classification Committee, CHOIR trial	Duke Clinical Research Institute, Durham
2009, 2010, 2012, 2014, 2016, 2019	Moderator and Co-Chair, Basic and Clinical Science Symposium; Free Communication sessions; national annual meetings	American Society of Nephrology
10/2012-9/2018	Hypertension Advisory Group, elected member	American Society of Nephrology
9/2013-9/2015	National Executive Committee, Nephrology Fellowship Training Program Directors, elected member	American Society of Nephrology
9/2014-11/2015	National Program Committee for 2015, elected member	American Society of Nephrology
7/2015-present	ASN Nephrology Board Review Committee	American Society of Nephrology
7/2016-present	ACP MKSAP 18 and 19 Nephrology Planning Committee and Faculty	American College of Physicians
12/2017-present	American Society of Nephrology In-Service Board Examination Committee	American Society of Nephrology
01/2019	Invited to participate in KDIGO (International Conference for Practice Guidelines on Blood Pressure & Volume Management in Dialysis)	<i>Kidney Disease: Improving Global Outcomes (KDIGO)</i> international committee

**Professional Societies**

Dates	Society Name, member
1991	Member, Phi Theta Kappa Honors Society
1994-1998	Member, American Medical Students Association
1994-1998	Member, Students teaching AIDS to Students
1994-1998	Member, Committee on Health Policy, George Washington University Medical School

1997-1998	Dodeck Honors Society, George Washington University
1997-1998	Vice-President, Alpha Omega Alpha (AOA) Honor Medical Society, George Washington University Medical School
2000-2004	Member, American College of Physicians
2001-Present	Member, American Society of Nephrology
2009-Present	Member, National Kidney Foundation
2010-Present	Member, American Medical Association
2013-present	Fellow of the American Society of Nephrology

### **Grant Review Activities**

<u>Year(s)</u>	<u>Name of Review Committee</u>	<u>Organization</u>
2007	Improved Public Health Practice through Translating Research Special Emphasis Panel	Centers for Disease Control
2009-2012	Veterans Integrated Service Network 17 Scientific Grant Review	Veterans Health Administration
2012-Present	AHA Vascular Biology and Blood Pressure/Cardiorenal Study Section	American Heart Association
12/2013	NIDDK Special Emphasis Panel, GRB-J USRDS Special Study Centers	NIDDK, NIH
1/2014	Cardiorenal Clinical Study Group, Co-Chair	American Heart Association
4/2015	NIDDK Loan Repayment Grant Review Study Section	NIDDK, NIH
4/2016	NIDDK Loan Repayment Grant Review Study Section	NIDDK, NIH
2019	AHA Cardiorenal Study Section	American Heart Association
2/2020	NIDDK Loan Repayment Grant Review Study Section	NIDDK, NIH
2/2021	NIDDK Loan Repayment Grant Review Study Section	NIDDK, NIH

### **Editorial Activities**

<u>Year(s)</u>	<u>Journal Name</u>
<u>Editor/Associate Editor</u>	
<u>Editorial Board</u>	
2009-Present	National Kidney Foundation, Kidney Learning System
2009-Present	American College of Physicians, ACP Medicine
2010-2016	<i>Kidney International</i> Journal
2016-present	American Society of Nephrology <i>NephSAP Review Committee</i>
<u>Ad Hoc Reviewer</u>	
	Journal of the American Medical Association

	Journal of American Society of Nephrology
	Kidney International Journal
	Clinical Journal of American Society of Nephrology
	American Journal of Kidney Diseases
	Nephron Journal
	Journal of Clinical Psychiatry
	Nephrology, Dialysis, Transplant Journal
	Journal of the American Heart Association
	Circulation

**Grant Support**

<u>Current</u>	<b>Grantor:</b> NHLBI – 1R38HL150214
	<b>Title of Project:</b> University of Texas Southwestern - Stimulating Access to Research in Residency (UT-StARR) Program
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$204,161.00 Direct Costs Only; \$333,640.00 Total Annual Costs
	<b>Grant Period:</b> 07/01/2021 - 06/30/2025
	<b>Total Amount of Award: \$1,367,949.00</b>
	<b>Grantor:</b> NIDDK – 1R01DK124379-01
	<b>Title of Project:</b> Combination of Novel Therapies for CKD Comorbid Depression (CONCORD)
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$720,591.00
	<b>Grant Period:</b> 04/01/2020 - 03/31/2025
	<b>Total Amount of Award: \$3,491,071.00</b>
	<b>Grantor:</b> Texas Health Resources Population Health Research Grant (Dean)
	<b>Title of Project:</b> Prognostic value of non-traditional CV biomarkers in CKD
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$100,000.00
	<b>Grant Period:</b> 09/2017-08/2022
	<b>Total Amount of Award: \$500,000.00</b>
	<b>Grantor:</b> NIDDK - UH3 DK104655
	<b>Title of Project:</b> Improving Chronic Disease Management with Pieces (ICD-Pieces)
	<b>Role:</b> Co-Investigator (PI: Miguel Vazquez)
	<b>Annual Amount:</b> \$129,000.00
	<b>Grant Period:</b> 09/01/2015-08/31/2020

	<b>Total Amount of Award: \$645,000.00</b>
	<b>Grantor:</b> NIDDK - UG3DK114870
	<b>Title of Project:</b> Chronic Kidney Disease Precision Medicine Project
	<b>Role:</b> Co-Investigator (PI: Miguel Vazquez and Robert Daniel Toto)
	<b>Annual Amount:</b> Year 1: \$413,831.00; Year 2: \$333,333.00
	<b>Grant Period:</b> 9/15/2017-06/30/2022
	<b>Total Amount of Award: \$747,164.00</b>
	<b>Grantor:</b> NIDDK - 5P30DK079328
	<b>Title of Project:</b> UT Southwestern O'Brien Kidney Research Center
	<b>Role:</b> Co-Director, Core D, Clinical and Translational Core
	<b>Annual Amount:</b> \$749,939
	<b>Grant Period:</b> 08/03/07-06/30/22
	<b>Total Amount of Award: N/A</b>
<u>Past</u>	<b>Grantor:</b> NIDDK - R01DK085512
	<b>Title of Project:</b> Randomized Trial of Sertraline Treatment of Depression in Chronic Kidney Disease
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$222,448.00
	<b>Grant Period:</b> 1/2011-2/2018
	<b>Total Amount of Award: \$1,112,388.00</b>
	<b>Grantor:</b> Patient-Centered Outcomes Research Institute (PCORI) - CER-1310-07253
	<b>Title of Project:</b> Treatment options for depression for patients undergoing hemodialysis
	<b>Role:</b> Co-PI (PI: Raj Mehrotra); PI, Dallas Site
	<b>Annual Amount:</b> \$116,968.00
	<b>Grant Period:</b> 09/01/2014-05/31/2018
	<b>Total Amount of Award: \$350,904.00</b>
	<b>Grantor:</b> VA MERIT Grant - CX000217-01
	<b>Title of Project:</b> Randomized trial of Sertraline Treatment of Depression in Chronic Kidney Disease
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$150,000.00
	<b>Grant Period:</b> 1/2010-12/2013; Extension 12/2013-1/2017
	<b>Total amount of Award: \$450,000.00</b>

	<b>Grantor:</b> 12CRP11830004, American Heart Association Mentored Grant
	<b>Title of Project:</b> Whole Blood Platelet Aggregation in Chronic Kidney Disease Patients on Aspirin Study
	<b>Role:</b> Mentor for Nishank Jain, MD, Nephrology Research Fellow
	<b>Annual Amount:</b> \$63,850.00
	<b>Grant Period:</b> 07/2012-06/2014
	<b>Total Amount of Award: \$134,000.00</b>
	<b>Grantor:</b> NIH CTSA UL1 RR024982, NCTCTSI Pilot, UTSW Department of Clinical Sciences
	<b>Title of Project:</b> Correlation of Blood Pressure and Urinary Potassium with Urinary Long WNK1
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$30,000.00
	<b>Grant Period:</b> 6/2009-6/2010
	<b>Total Amount of Award: \$30,000.00</b>
	<b>Grantor:</b> P30DK079328, UTSW O'Brien Kidney Research Core Center Pilot and Feasibility
	<b>Title of Project:</b> Association of Low Fractional Excretion of Potassium with reased Inc Peripheral Long WNK1, Hypertension and Left Ventricular Hypertrophy
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$42,145.00
	<b>Grant Period:</b> 6/2007-6/2009
	<b>Total Amount of Award: \$42,145.00</b>
	<b>Grantor:</b> Veterans Integrated Systems Network (VISN) 17 Grant
	<b>Title of Project:</b> Clinical Outcomes of Depression in Patients with Chronic Kidney Disease
	<b>Role:</b> PI
	<b>Annual Amount:</b> \$50,000.00
	<b>Grant Period:</b> 1/2006-9/2008
	<b>Total Amount of Award: \$100,000.00</b>
	<b>Grantor:</b> Dallas Veterans Affairs Research Corporation
	<b>Title of Project:</b> Prevalence of Depression in Patients with Chronic Kidney Disease
	<b>Role:</b> PI
	<b>Total Amount:</b> \$25,000.00
	<b>Grant Period:</b> 10/2004-Present
	<b>Total Amount of Award: \$25,000.00</b>
	<b>Grantor:</b> AG11268, NIH Claude Pepper Older Americans Independence Center and Hartford Foundation 990339
	<b>Title of Project:</b> Clinical Outcomes of Patients with End-Stage Renal Disease and Depression



	<b>Role:</b> PI
	<b>Total Amount:</b> \$25,000.00
	<b>Grant Period:</b> 2003-2004
	<b>Total Amount of Award:</b> \$25,000.00
	<b>Grantor:</b> T32 HS000079, Agency for Healthcare Research and Quality
	<b>Title of Project:</b> Research Fellow Training Grant
	<b>Role:</b> Research Fellow, Duke Clinical Research Institute, Duke University
	<b>Annual Amount:</b> 100% Fellow Salary Support
	<b>Grant Period:</b> 6/2002-6/2004
	<b>Total Amount of Award:</b> N/A
	<b>Grantor:</b> PR00-06-014, Ortho Biotech
	<b>Title of Project:</b> Correction of Hemoglobin and Outcomes in Renal Insufficiency (CHOIR)
	<b>Role:</b> Clinical Events Classification Committee, Duke Clinical Research Institute
	<b>Annual Amount:</b> N/A
	<b>Grant Period:</b> 8/2002-2006
	<b>Total Amount of Award:</b> N/A

### Clinical Trials Activities

4/2020-present	<u>Combination of Novel Therapies for CKD Comorbid Depression (CONCORD)</u> – PI, NIDDK R01 funded
9/2017-present	Director, <i>Kidney Clinical Research Office (KCRO)</i> , UT Southwestern Medical Center Direct the administration of a variety of clinical trials, both industry and NIH funded.
1/2011-2018	<u>Chronic Kidney Disease Antidepressant Sertraline Trial (CAST)</u> - Double-blinded placebo-controlled clinical trial – PI (UTSW, Parkland, and VA sites) – Both NIH and VA funded
9/2014-2018	<u>A Trial of Sertraline vs. Cognitive Behavioral Therapy for End-Stage Renal Disease Patients with Depression (ASCEND)</u> – Co-PI; Dallas site PI – PCORI funded
7/2014-present	<u>Improving Chronic Disease Management with Pieces (ICD-Pieces)</u> – NIDDK funded pragmatic clinical trial – site PI – NIH funded
7/2012-2014	<u>Whole Blood Platelet Aggregation in Chronic Kidney Disease Patients on Aspirin Study (WiCKD on ASA)</u> – clinical trial (PI, UTSW and VA sites) – AHA funded
8/2002-2006	<u>Correction of Hemoglobin and Outcomes in Renal Insufficiency (CHOIR)</u> trial, Clinical Events Committee, Duke Clinical Research Institute – Industry funded

### Teaching Activities

<b><u>Medical and graduate school didactic and small group teaching</u></b>	
2005-Present	<b>Nephrology Grand Rounds</b>

	This is a one-hour didactic core nephrology fellow lecture series on Tuesdays, Thursdays, and Fridays. I organized the lecture series as the Nephrology Program Director, and currently I personally deliver at least 6 of the lectures yearly.
2007-2017	<b>Junior Medical Student Lecture Series</b> One hour sessions for Junior Medical Students who rotate on the Internal Medicine Inpatient Service at the VA. I gave 4 lectures a year (once a quarter) on <i>Fluid and Electrolytes, Acid-Base, Urine Microscopy, Acute Kidney Injury</i> .
2009- Present	<b>Fundamentals of Nephrology Summer Lecture Series</b> As Associate Director and then Program Director of the Nephrology Fellowship, I organized this as a series of survival lectures for incoming new fellows, to prepare them for the wards. I personally deliver 3 of these lectures each summer.
2010-2015	<b>NephSAP Review for Nephrology Fellows</b> A one-hour board-review type sessions, once every-other-month, where board-type questions are reviewed with nephrology fellows, followed by discussion by faculty. I organized these sessions, and led many of the discussions.
2010-2017	<b>Dialysis Lecture Series</b> Once a month lecture series for Nephrology Fellows rotating on the Chronic Dialysis Service at the Dallas VA Medical Center. I delivered the lectures on <i>Management of Anemia of Chronic Kidney Disease, Vascular Access, Permacath-Related Infections</i> .
2011-present	<b>Critical Appraisal of the Literature Lecture Series</b> As the Program Director for Nephrology Fellowship, I organized and personally deliver 3 one-hour interactive lectures on critical appraisal of the literature that fellows then use to appraise an article for their monthly journal clubs. This includes establishing validity and generalizability of the evidence, as well as basic biostatistics. Given the success of this program, I was asked by the Internal Medicine Chief Residents to also deliver these lectures for the Internal Medicine residents.
<b><u>Dissertation committees</u></b>	
	Not applicable.
<b><u>Qualifying examination committees</u></b>	
	Not applicable.
<b><u>Committees concerned with medical and graduate student education</u></b>	
2014-present	<b>Clinical Competency Committee, Nephrology Fellowship, UT Southwestern</b>
2013-2015	<b>National Executive Committee, Nephrology Fellowship Training Program Directors, American Society of Nephrology</b> ; nominated and selected (one of 16 members, nominated from a national pool of 148 program directors)
07/16-present	<b>National MKSAP 2018 and 2019 Board Review for American College of Physicians, Nephrology Committee</b> (invited to serve; one of 6 members nationally)
12/2017-Present	<b>National American Society of Nephrology In-Training Exam Test Materials Development Committee</b>
<b><u>Graduate student rotations</u></b>	
2004-Present	<b>Internal Medicine Inpatient Service</b> Supervise 1-2 medical students, 1-2 interns, and 1 resident (PGY2 or 3) during a rotation block a year at the Clements University Hospital. During daily morning and on-call and

	<p>post-call rounds, I oversee the discussion of cases and instruct house staff on care of hospitalized patients. I also deliver didactic lectures at least 1-2 times a week to medical students and house staff (please see list of previous lectures under <i>Medical Student Lectures</i> below). Evidence-based medicine and bedside teaching are emphasized.</p>
2004-Present	<p><b>Nephrology Consult Service</b>                  Supervise 1 medical student, 1-2 residents (PGY1-3), and 1 nephrology fellow during 6-8 rotation blocks a year at Parkland and Clements University Hospital. Teaching includes bedside teaching in the Intensive Care and Hemodialysis Units, case discussions during daily rounds, and didactic lectures 2-3 times a week, tailored to observed cases. Topics have included, among others:</p> <ol style="list-style-type: none"> <li>1. Acute Kidney Injury</li> <li>2. Continuous Renal Replacement Therapy in the ICU</li> <li>3. Management of Hypertension in Hemodialysis Patients</li> <li>4. Hyponatremia</li> <li>5. Metabolic Acidosis and Alkalosis</li> <li>6. Mixed Acid-Base Disorders</li> <li>7. Acute Tubular Necrosis</li> <li>8. Urine Microscopy and Differential Diagnosis (where we actually observe spun urine under the microscope)</li> <li>9. Elevated Creatinine in Kidney Transplant Recipient</li> <li>10. BK Polyoma Virus Infection in Kidney Transplant</li> <li>11. Phoresis for Pulmonary-Renal Syndromes</li> <li>12. Hepatorenal Syndrome</li> <li>13. Cardiorenal Syndrome and Ultrafiltration</li> <li>14. Contrast-Induced Nephropathy</li> <li>15. Rhabdomyolysis</li> <li>16. Hypo/Hyperkalemia</li> <li>17. Hypophosphatemia</li> <li>18. Malignant Hypertension</li> </ol>

<p><b><u>Medical student rotations</u></b></p>	
2004-Present	<p><b>Internal Medicine Inpatient Service</b>                  Supervise 1-2 Junior Medical Students (MSIII), and usually one Sub-Intern (MSIV) on the General Medicine wards at Clements University Hospital, about one block a year. I hold daily rounds and supervise and instruct students on care of hospitalized patients. Teaching includes bedside teaching of physical examination, case discussions, and instruction and feedback on presentations and written History and Physicals. I have each student develop a clinical question for a specific case and find an article to support diagnosis/management, emphasizing <i>evidence-based medicine</i>. I deliver didactic lectures at least 1-2 times a week. Topics have included the following, among others:</p> <ol style="list-style-type: none"> <li>1. Critical Appraisal of Journal Articles</li> <li>2. How to Read EKGs</li> <li>3. How to Read a Plain Film Chest Radiogram</li> <li>4. Acute Coronary Syndrome: Diagnosis and Management</li> <li>5. Management of Heart Failure</li> <li>6. Diagnosis of Pulmonary Embolus</li> <li>7. Altered Mental Status</li> </ol>

	<ol style="list-style-type: none"> <li>8. Hyponatremia</li> <li>9. Metabolic Acidosis and Alkalosis</li> <li>10. Acute Kidney Injury</li> <li>11. Primary Hyperaldosteronism</li> <li>12. JNC Recommendations for Hypertension</li> <li>13. Management of Patients at Risk for Alcohol Withdrawal</li> <li>14. Evidence-based Secondary Prevention of Stroke</li> <li>15. Anion gap and non-anion gap acidosis</li> <li>16. Interpretation of urinary anion gap</li> <li>17. Renal tubular acidosis</li> </ol>
<b><u>Graduate student trainees</u></b>	
2007-present	I have served as a mentor for clinical research on the Nephrology NIH T32 Grant and actively mentor research trainees such as medical students (see <i>Post-doctoral trainees</i> ).
<b><u>Postgraduate medical education (graduate &amp; continuing medical education)</u></b>	
2015-Present	<p><b>Nephrology Board Review Course</b></p> <p>I was invited to serve as teaching faculty for the American Society of Nephrology Annual <i>Board Review Course &amp; Update</i>, which is a one week course attended by both nephrology fellows in training and practicing nephrologists nationally, focusing on key information needed to prepare for the ABIM Nephrology Board Certification and Maintenance of Certification (MOC) Examinations.</p>
2007-Present	<p><b>Research Mentor/Nephrology T32 Training Grant, UT Southwestern</b></p> <p>I have provided mentorship in patient-oriented research to a broad range of mentees including 13 medical students, residents, and post-doctoral fellows, and 3 junior faculty members (see <i>Post-doctoral Trainees table</i>). Following my goal-driven mentoring approach, I have involved mentees in research projects that yield a finished product. <b>All of my mentoring interactions have resulted in abstracts, papers, or grants for my mentees.</b> Most of my previous trainees published at least one peer-reviewed paper; 3 received <i>K23 or K08 awards</i>; 2 received the <i>American Society of Nephrology Fellowship Grants</i>; and one received an <i>AHA Grant Award</i>.</p>
2008-Present	<p><b>Clinical Nephrology Fellow Research Activity, UT Southwestern Medical Center</b></p> <p>As required by ACGME, Clinical Fellows are required to participate in a “clinically meaningful research activity” ranging from writing a case-report or review article to analysis of a database, resulting in an abstract or manuscript. As the Nephrology Fellowship <i>Associate Program Director</i>, then <i>Program Director</i>, I restructured the <i>Fellowship Program to incorporate, for the first time, protected time for research (rotations) for clinical fellows</i> and have personally mentored many fellows in research.</p>
2009-Present	<p><b>Nephrology Journal Club, UT Southwestern and Dallas VA Medical Center</b></p> <p>I designed and organized a formal evidence-based approach to journal club for Nephrology Fellows. I deliver an interactive lecture series on how to critically appraise research articles and apply evidence-based medicine to patient care. I meet with the fellow or resident to review the article and prepare for a formal presentation.</p>
2005-Present	<p><b>Continuing Medical Education Courses, UT Southwestern Medical Center</b></p> <p>I have been invited to deliver lectures at CME courses given by Departments of Internal Medicine and Psychiatry, such as <i>Update in Internal Medicine</i> and <i>Annual Depression Update</i>. Topics have included <i>Radiocontrast Nephropathy, Depression in Chronic Kidney Disease, Acute Kidney Injury, Renal Manifestations of Herbal Medications, etc.</i></p>

**Trainees**

<b>Name (Last, First, Degree)</b>	<b>Training Period</b>	<b>Position During Mentorship</b>	<b>Title of Research Project</b>	<b>Current Position</b>	<b>Accomplishments During Training Period</b>
Briley, Libbie (now Libbie McKenzie), MD	2005-07	Nephrology fellow, Duke Clinical Research Institute	Association of depression with death or hospitalization in dialysis	Medical Director Quintiles, NC	Published manuscript
Patel, Vishal, MD	2005-06	Nephrology fellow, UTSW	Lactic acidosis in HIV	Associate Prof., Nephrology, UTSW	Published manuscript; K08 award
Katneni, Ratneja, MBBS	2006-07	Nephrology fellow, UTSW	Catheter-related bacteremia in HD	Private Practice	Published manuscript
Lakhia, Ronak, MD	2007-08	Medical student, UTSW	Pulse wave velocity in CKD	Assistant Prof., Nephrology, UTSW	2 <sup>nd</sup> place research award, SSCI Young Nephrologist Forum; NIH K08 (2018)
Baber, Usman, MD	2006-08	Internal Medicine resident, UTSW	Risk factors for coronary artery calcification in CKD	Assistant Professor, Cardiology, Icahn School of Medicine at Mount Sinai	2 abstracts (ASN and AHA) Published manuscript
Chemmalakuzhy, Asha, MD	2007-08	Nephrology fellow, UTSW	ANCA-negative Churg-Strauss	Private Practice	Published manuscript
Ijaz, Adeel, MD	2008-10	Nephrology fellow, UTSW	Association of dietary potassium intake with BP	Private Practice	Published manuscript
Afshar, Masoud, MD	2009-11	Nephrology fellow, UTSW	Outcomes of CKD Depression	Private Practice	Published manuscript
Yalamanchili, Venkata, MD	2010-11	Nephrology fellow, UTSW	Randomized trial of CKD depression	Private Practice	Published manuscript
Van Buren, Peter, MD	2008-12 (fellow) 2012- (faculty)	Nephrology fellow, junior faculty, UTSW	Hypertension in chronic hemodialysis patients	Associate Professor, Nephrology, UTSW	NRSA award (2010); AHA Fellow to Faculty Transition (2012); NIH K23 (2013)
Berger, Joseph, MD	2010-12 (fellow) 2012- (faculty)	Nephrology fellow, junior faculty, UTSW	Renal replacement therapy in the elderly	Associate Professor, Nephrology, UTSW	Published 3 manuscripts

<b><u>Trainees, continued</u></b>					
<b>Name (Last, First, Degree)</b>	<b>Training Period</b>	<b>Position During Mentorship</b>	<b>Title of Research Project</b>	<b>Current Position</b>	<b>Accomplishments During Training Period</b>
Jain, Nishank, MD	2011-14	Nephrology fellow, UTSW	Platelet dysfunction in CKD	Assistant Professor, Nephrology, University of Arkansas for Medical Sciences	4 Abstracts, 2 oral; multiple papers; 2 <sup>nd</sup> place research award, SSCI; AHA CRP grant; ASN <i>Ben J. Lipps Research Fellowship Award</i> ; AHA 2016 Scientist Development Grant; ASN 2018 <i>Joseph V. Bonventre Career Development Grant</i>
Jaikaransingh, Vishal, MD	2012-14	Nephrology fellow, UTSW	Approach to dialysis in the elderly	Transplant nephrology fellow, UVA	Published manuscript
Colbert, Gates, MD	2013-15	Nephrology fellow, UTSW	BNP, NT- BNP and outcomes in CKD	Private Practice	3 abstracts (2 oral); 1 paper; 2 <sup>nd</sup> place research award, SSCI Young Nephrologist
Toups, Marisa, MD	2013-15	Psychiatry resident to junior faculty, UTSW	Depression and inflammation in CKD	Assistant Professor, Psychiatry, Dell/UTSW, Austin	NIH K23 (2014); 2 manuscripts
Neyra, Javier, MD	2014-16	Nephrology fellow, UTSW	Fluid balance and outcomes in AKI with/ without CKD	Assistant Professor, Nephrology, Univ of Kentucky	2 abstracts (1 oral) ;1 manuscript; ASN <i>Ben J. Lipps Research Fellowship Award</i>
Gregg, Lucile, MD	2016-present	Nephrology T32 fellow, UTSW	Non-traditional CV risk factors in CKD	Assistant Professor, Nephrology, Baylor College of Med., Houston	2 oral abstracts (ASN, SSCI); multiple papers; Texas Health Pilot Grant; VA Young Investigator Grant; VA Career Development Award
Tio, Maria Clarissa, MD	2016-2018	IM resident	MCP-1 as marker of CV events/death in CKD	Nephrology Research Fellow, Harvard	Abstract (NKF); Oral abstract (ASN); 1 manuscript
Le, Dustin, MD	2017-2018	Medical Student	Inflammatory mediators of depression in CKD	IM resident, University of Michigan	2 manuscripts in preparation

<b><u>Trainees, continued</u></b>					
<b>Name (Last, First, Degree)</b>	<b>Name (Last, First, Degree)</b>	<b>Name (Last, First, Degree)</b>	<b>Name (Last, First, Degree)</b>	<b>Name (Last, First, Degree)</b>	<b>Name (Last, First, Degree)</b>
Huntley, Geoffrey, MD	2018-present	IM resident	CAC/arterial stiffness in CKD	IM resident, UTSW	Seldin & ASN poster; Manuscript in prep.
Gerard Martins, MD	2018-2019	Nephrology fellow, UTSW	Meta-analysis, inflam. in CKD and depression	Private practice	Seldin poster; Manuscript <i>in press</i> .
Nina Bharadwaj	Summer 2019	SURF Undergraduate Student	Inflammation & depression of CKD	SURISKD Program	Poster presented; Manuscript submitted
Kabir Olarinan	August 2019-present	Junior faculty	CV outcomes in sickle cell nephropathy	Assis. Prof, Nephrology, UTSW	Submitted ASN Career Development grant;
Meredith McAdams, MD	2020-present	Nephrology T32 fellow	TropHs in HD; AKI/cardiorenal	T32 fellow	Seldin Research Symposium finalist;
Stephanie Torres Rodriguez, MD	2019-present	Nephrology fellow, UTSW	Depression severity and SSRI response	Nephrology fellow, UTSW	2 abstracts, manuscript in preparation
Mridula Nadamuni, MD	2020-present	IM resident, UTSW	COVID-19 and AKI	IM resident, UTSW	2 abstracts, finalist, Seldin Symp. 2020
Maucio Ostrosky, MD	2020-present	IM resident, UTSW	Racial disparities in COVID and kidney disease	IM resident, UTSW	2 manuscripts in progress

### **Invited Lectures**

<b>Year(s)</b>	<b>Title</b>	<b>Location</b>
<b><u>International</u></b>		
10/2/10	Diagnosis and Outcomes of Depression in Chronic Kidney Disease	Italian Society of Nephrology Bari, Italy
4/11/12	Association of Dietary Potassium Deficiency and Blood Pressure	Workshop on Kidney Disease, Guangzhou, China
4/12/12	Nonpharmacologic Aspects of Blood Pressure Management: What's the Data?	International Nephrology, Guangzhou, China
<b><u>National</u></b>		
11/15/06	Depression and Psychological Aspects of End-Stage Renal Disease Care	American Society of Nephrology San Diego, CA
10/31/07	Depression and Psychological Aspects of End-Stage Renal Disease Care	American Society of Nephrology – 40 <sup>th</sup> Annual Meeting, San Francisco
11/8/08	Dietary Potassium Deficiency and Blood Pressure in a Multi-Ethnic Cohort	American Society of Nephrology Philadelphia, PA

12/5/08	Association of Blood Pressure and Urinary Potassium: <i>The Dallas Heart Study</i>	National Kidney Foundation, Longboat Key, FL
4/14/10	Depression in CKD: Diagnosis, Prevalence, and Effect on Quality of Life and Clinical Outcomes	National Kidney Foundation, Orlando, FL
11/20/10	Depression: Screening and Management in Chronic Kidney Disease	American Society of Nephrology, 43 <sup>rd</sup> Annual Meeting, Denver, CO
4/3/13	Depression: Screening and Management in End-Stage Renal Disease	National Kidney Foundation, Orland, FL
11/15/14	Depression and Associated Outcomes in CKD	American Society Nephrology, Kidney week, Philadelphia
7/30/15	Hemodialysis: Blood Pressure, Volume Control and Preventing CV Comorbidities	American Society of Nephrology Board Review Course - Chicago, IL
11/4/15	Depression and Anxiety in ESRD	American Society of Nephrology, San Diego, CA
8/2/16	Dialysis: Cardiovascular and Blood Pressure Issues	American Society of Nephrology Board Review Course, Chicago, IL
8/1/17	Dialysis: Cardiovascular and Blood Pressure Issues	American Society of Nephrology Board Review Course, Chicago, IL
11/1/17	Anxiety and Depression in Dialysis Patients	American Society of Nephrology PGE Kidney Week, San Diego, CA
12/8/17	Treatment and Outcomes of Depression in Patients with CKD	University of Pittsburg, Nephrology Visiting Professor Lecture, Pittsburg
10/2018	Outcomes and Moderators of Depression Treatment Response in CKD	Duke University, Nephrology Visiting Professor Lecture, Durham
7/2019	Dialysis: Cardiovascular and Blood Pressure Issues	American Society of Nephrology Board Review Course, Chicago, IL
7/2021	Anemia, Metabolic Acidosis, and Hypertension in CKD	American Society of Nephrology Board Review Course
7/2021	Dialysis: Cardiovascular and Blood Pressure Issues	American Society of Nephrology Board Review Course

### **Invited Lectures**

<u>Regional/Local</u>		
Year(s)	Title	Location
11/20/05	Radiocontrast Nephropathy	<i>Update in Internal Medicine</i> , Dallas
10/6/06	Depression in Heart and Kidney Disease	Grand Rounds - UT Southwestern
2/13/07	Non-Traditional Risk Factors for Coronary Artery Calcification in CKD: <i>The Dallas Heart Study</i>	O'Brien Kidney Research Conference UT Southwestern, Dallas



5/01/07	Non-Traditional Cardiovascular Risk Factors for Coronary Artery Calcification in Kidney Disease	Internal Medicine Department Research Conference, UT Southwestern, Dallas
4/7/08	Scleroderma Renal Crisis	CPC VA Medical Center, Dallas
11/2/08	Radiocontrast Nephropathy	UT Southwestern, Dallas
1/22/10	Non-pharmacologic Aspects of Blood Pressure Management: What's the Data?	Medical Grand Rounds, UT Southwestern, Dallas
3/25/10	Contrast-Induced Nephropathy	Update in Medicine, Dallas
5/6/10	Depression in CKD: Prevalence and Effect on Clinical Outcomes	O'Brien Research Symposium UT Southwestern, Dallas
5/18/10	Association of Depression with Clinical Outcomes in Chronic Kidney Disease	VA Research Symposium - UT Southwestern, Dallas
10/23/10	Depression in Chronic Kidney Disease	6 <sup>th</sup> Annual Depression Update UT Southwestern, Dallas
5/5/11	Depression in Chronic Kidney Disease	VA Medical Center, Dallas
5/14/12	Contrast-Induced Nephropathy	UT Dell Medical School, Austin
4/13/13	Radiocontrast Nephropathy	Update in Internal Medicine, Dallas
4/24/14	Renal Manifestations of Herbal Supplements	Update in Medicine, Dallas
10/31/14	Utility of Cardiac Biomarkers in Patients in CKD	Medical Grand Rounds, UTSW Dallas
3/28/15	Diagnosing and Treating Depression in CKD: A Case-Based Approach	National Kidney Foundation Annual Meeting, Dallas
12/11/15	Cardiac Biomarkers and Outcomes in CKD	Mineral Metabolism, UTSW, Dallas
1/28/16	Cardiac Biomarkers and Outcomes in CKD	VA Research Symposium, Dallas
4/15/16	Recognition and Management of AKI	Update in Medicine, Dallas
4/13/17	Effect of CKD on the Prognostic Utility of CV Biomarkers	Department Research Conference, UTSW
4/14/18	Interstitial Nephritis	Update in Medicine, Dallas
01/07/19	Outcomes and Moderators of Depression Treatment Response in CKD	Cardiology Research Conference, UTSW, Dallas
06/05/20	The Effects of COVID-19 on Kidney Disease Incidence and Outcomes	Medical Grand Rounds, UTSW, Dallas

### **Technological and Other Scientific Innovations**

Innovation
Patent, if any, pending or awarded /If described in print/on web, provide citation

### **Service to the Community**

Year(s)	Role	Organization or institution
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2.	<b><u>Hedayati SS</u></b> , Jiang W, O'Connor CM, Kuchibhatla M, Krishnan KR, Cuffe MS, Blazing MA, Szczech LA. The Association between depression and chronic kidney disease and mortality among patients hospitalized with congestive heart failure. <i>Am J Kidney Dis</i> 2004; 44 (2): 207-215.
3.	<b><u>Hedayati SS</u></b> , Grambow SC, Szczech LA, Stechuchak KM, Allen AS, Bosworth HB. Physician-diagnosed depression as a correlate of hospitalizations in patients receiving long-term hemodialysis. <i>Am J Kidney Dis</i> 2005; 46 (4): 642-649.
4.	<b><u>Hedayati SS</u></b> , Bosworth HB, Kuchibhatla M, Kimmel PL, Szczech LA. The Predictive Value of Self-report Scales Compared with Physician Diagnosis of Depression in Hemodialysis Patients. <i>Kidney Int</i> 2006; 69 (9): 1662-1668.
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7.	Baber U, de Lemos JA, Khera A, McGuire DK, Omland T, Toto RD, <b><u>Hedayati SS</u></b> . Non-traditional risk factors predict coronary calcification in chronic kidney disease in a population-based cohort. <i>Kidney Int</i> 2008; 73(5): 615-621.
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11.	<b><u>Hedayati SS</u></b> , Minhajuddin AT, Afshar M, Toto RD, Trivedi MH, Rush AJ. Association between Major Depressive Episodes in Patients with Chronic Kidney Disease and Initiation of Dialysis, Hospitalization, or Death. <i>JAMA</i> 2010; 303 (19): 1946-1953.
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22.	Gregg LP, Adams-Huet B, Li X, Colbert G, Jain N, de Lemos J, <b>Hedayati SS</b> . Effect Modification of Chronic Kidney Disease on the Association of Circulating and Imaging Cardiac Biomarkers with Outcomes; <i>J Am Heart Assoc</i> . 2017 Jul 5; 6(7).
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64.	<b>Hedayati SS</b> . A novel treatment for vascular calcification in patients with dialysis-dependent Chronic Kidney Disease: Are We There Yet? <i>Circulation.</i> 2020 Mar 3;141(9):740-742.
65.	McAdams M, Ostrosky-Frid M, Rajora N, <b>Hedayati SS</b> . Effect of COVID-19 on Kidney Disease Incidence and Management. <i>Kidney360 January 2021, 2 (1) 141-153; DOI: <a href="https://doi.org/10.34067/KID.0006362020">https://doi.org/10.34067/KID.0006362020</a></i>

### Case Reports

66.	Patel V, <b>Hedayati SS</b> . Lactic acidosis in a Human Immunodeficiency Virus-infected patient receiving Highly Active Antiretroviral Therapy. <i>Nature Clin Pract Nephrol</i> 2006; 2: 109-114.
67.	Chemmalakuzhy AJ, Zhou XJ, <b>Hedayati SS</b> . ANCA-negative glomerulonephritis associated with non-asthmatic Churg-Strauss syndrome. <i>Nature Clin Pract Nephrol</i> 2008; 4 (10): 568-574.

### Books/Textbooks

1.	Jain N and <b>Hedayati SS</b> . Depression and Other Psychological Issues in Chronic Kidney Disease. Chapter 25, pages 305-317. <i>Management of Chronic Kidney Disease</i> by Springer, Berlin, Heidelberg, 2014.
2.	Gregg LP and <b>Hedayati SS</b> . Treatment of Psychiatric Disorders in Chronic Kidney Disease Patients. Chapter 68. <i>Chronic Renal Disease</i> , 2nd ed., edited by Paul Kimmel and Mark Rosenberg, Elsevier 2019. <i>In press</i> .

### Letters to the Editor

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### Proceedings of Meetings

1.	2006-10	<b>Abstract Reviewer, American Society of Nephrology Annual Meetings</b>
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2.	2009	<b>Co-Chair, American Society of Nephrology Meeting, Abstract Review</b> <i>Clinical Nephrology: CKD Outcomes, Clinical Trials, Health Services Research</i>
3.	10/09	<b>Moderator and Co-Chair, American Society of Nephrology Meeting</b> Free Communications Session: <i>Clinical Aspects of Chronic Kidney Disease: Prognosis and Complications II</i>
4.	4/10	<b>Moderator and Co-Chair, National Kidney Foundation Annual Meeting Health-Related Quality of Life in End-Stage Renal Disease Session</b>
5.	11/10	<b>Moderator and Co-Chair, American Society of Nephrology Meeting</b> Free Communications Session: <i>Dialysis, Epidemiology and Outcomes</i>
6.	11/12	<b>Moderator and Co-Chair, American Society of Nephrology Meeting</b> Basic and Clinical Science Symposium: <i>“Is an Ounce of Prevention Worth a pound of Cure in CKD Patients”</i>
7.	11/14	<b>Abstract Reviewer, American Society of Nephrology (ASN), Annual Meeting, Clinical Hypertension</b>
8.	11/16	<b>Co-moderator, American Society of Nephrology, Educational Session:</b> <i>“Getting patients on board: Best practices in hypertension”</i>
9.	11/19	<b>Moderator, American Society of Nephrology, Kidney Week Annual Meeting, Basic and Clinical Science Symposium:</b> <i>“Out of Sight, Not out of Mind: Mood Disorders in the Dialysis Unit”</i>

Clinical Practice Guidelines

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**Non-peer reviewed scientific or medical publications/materials in print or other media**

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