

**Harvard Medical School Format for the Curriculum Vitae**

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**Place of Birth:** Bombay, India

**Education**

1987	B.S.	Liberal Arts	University of Notre Dame
1991	M.D.	Medicine	University of Pennsylvania
1997	M.P.H.	Epidemiology	Harvard School of Public Health
2020	Stanford LEAD: Corporate Innovation Certificate	Corporate Innovation Program	Stanford University Graduate School of Business, Executive Education

**Postdoctoral Training**

1991-1992	Intern in Medicine	Massachusetts General Hospital
1992-1994	Assistant Resident in Medicine	Massachusetts General Hospital
1994-1996	Clinical and Research Fellow in Medicine (Nephrology)	Massachusetts General Hospital
1994-1997	Research Fellow in Medicine	Harvard Medical School
1996	Chief Resident in Medicine	Massachusetts General Hospital

**Faculty Academic Appointments**

1998-2001	Instructor in Medicine	Harvard Medical School
2001-2004	Assistant Professor of Medicine	Harvard Medical School
2005-2012	Associate Professor of Medicine	Harvard Medical School
2012-2017	Professor of Medicine	Harvard Medical School
2017-2019	Visiting Professor	Harvard Medical School
2017-2019	Distinguished Professor	Cedars-Sinai Medical Center
2018-	Professor-in-Residence	University of California Los Angeles
2019-	Professor of Medicine	Harvard Medical School

**Appointments at Hospitals/Affiliated Institutions**

2000-	Assistant Physician	Medicine/Renal	Massachusetts General Hospital
2001-2014	Visiting Scientist		Massachusetts Institute of Technology
2002-2017	Senior Scientist	Department of Obstetrics	Massachusetts General
2009-2017	Research Scientist	Department of Medicine	Beth Israel Deaconess Medical Center
2013-2017	Chief, Division of Nephrology	Department of Medicine	Massachusetts General Hospital
2017-2019	Vice Dean for Research and Education		Cedars-Sinai Medical Center
2018-	Research Staff	Department of Medicine	Massachusetts General
2018-2019	Chair, Department of Biomedical Sciences		Cedars-Sinai Medical Center
2019-	Chief Academic Officer		Mass General Brigham (formerly Partners HealthCare)
2019-	Faculty Dean for Academic Programs		Harvard Medical School

**Other Professional Positions**

2005	Data Safety Monitoring Board		Rena-Med, Artificial Kidney in Acute Renal Failure
2005-2010	Co-Director, Clinical Research Center		Massachusetts Institute of Technology (1.2 calendar months effort)
2008-2009	Data Safety Monitoring Board		Novo-Nordisk, Growth Hormone in Dialysis
2008-2011	Data Safety Monitoring Board		Affymax, Erythropoietin in Dialysis
2009-2010	Data Safety Monitoring Board (Chair)		PATH, Vitamin C and E in Dialysis
2010-2013	Data Safety Monitoring Board (Chair)		DAYLIGHT, Trial of Vitamin D and Hypertension
2011-2013	Data Safety Monitoring Board		Sandoz, ESA in Dialysis
2011-2013	Endpoint Adjudication Committee		Reata, BEACON Multicenter Randomized Trial
2011-2017	Data Safety Monitoring Board		Shire, Long-term Outcome Safety Study of Lanthanum Carbonate
2012-2014	Data Safety Monitoring Board		Novartis, Relaxin in Preeclampsia Trial
2012-2017	Renal Safety Advisor		Theracos, SGLT2 inhibitor for Diabetes
2016-	Honorary Consultant Nephrologist		Addenbrook's Hospital, University of Cambridge, United Kingdom
2017-	Clinical Consultant, Center for Environmental Health Sciences		Massachusetts Institute of Technology
2017-	Honorary Professorial Fellow, Executive Director's Office		The George Institute of Global Health, Newtown NSW, Australia
2018-	Clinical Trial Data Sharing Scientific Review Board		Celgene
2018-	Data Safety Monitoring Board (Chair)		Alnylam, RNAi against C5 in IgA Nephropathy

**Major Administrative Leadership Positions****Local**

1997-2013	Director, Core I Medicine	Massachusetts General Hospital and Harvard Medical School (Primary Medicine Rotation at MGH for HMS 3rd yr students)
2001-2013	Director, Internal Medicine Review Course	Massachusetts General Hospital (Primary CME course for Internal Medicine at MGH)
2001-2009	Co-Director, PASTEUR Program and Doris Duke Clinical Fellowship	Harvard Medical School (Program for Promoting Patient Oriented Research by Medical Students)
2002-2013 2009-2012	Director of Clinical Research in Nephrology Director, Doris Duke Clinical Fellowship	Massachusetts General Hospital Harvard Medical School (Program for Promoting Patient Oriented Research by Medical Students)
2010-2012	Senior Clinical Research Advisor to the Chief Scientific Officer/Chief Academic Officer	Mass General Brigham (formerly Partners HealthCare)
2011-2017	Co-Chair, Partners Research IT Committee	Mass General Brigham (formerly Partners HealthCare)
2012-2015	Co-Chair, Partners Biorepository Implementation Committee on Education	Mass General Brigham (formerly Partners HealthCare)
2012-2017	Associate Director of Research, reporting to the Chief Academic Officer	Mass General Brigham (formerly Partners HealthCare)
2013-2017	Chief, Division of Nephrology	Massachusetts General Hospital
2013-2014	Search Committee, Chief of Nephrology	Newton Wellesley Hospital
2013-2014	Search Committee, Chief of Cardiology	Massachusetts General Hospital
2015-2017	Executive Director, Clinical Trials Office	Mass General Brigham (formerly Partners HealthCare)
2017	Adjunct member, Search Committee Chief of Infectious Disease	Massachusetts General Hospital
2019	Chair of the Search Committee, Chair of Cardiology	Cedars-Sinai Medical Center

**Regional**

2002-2008	Course Director, Introduction to Human Clinical Investigation	Massachusetts Institute of Technology (Seminar Course to Undergraduates)
2005-2012	Co-Director, Clinical Research Center	Massachusetts Institute of Technology

**National and International**

2002-2013	Committee Member	American Society of Nephrology: Clinical Science & Program Committees
2005-2007	Co-Director and Lecturer, Title: Vitamin D and Cardiac Disease	UCLA Renal Osteodystrophy Annual Symposium
2012-2014	Board Member	InHealth c/o Advamed
2013-2014	Global Practice Guideline Committee Member	Kidney Disease Improving Global Outcomes
2014-2016	Consortium Chair	Preeclampsia Foundation Biomarkers Consortium
2016-2020	Invited Consultant	Food and Drug Administration, Cardiovascular and Renal Drugs Advisory Committee

**Committee Service****Local**

1999-2013	Student Training Committee	Massachusetts General Hospital
1999-2013	Teaching and Training Council	Massachusetts General Hospital
2000-2013	Intern Selection Executive Committee	Massachusetts General Hospital
2008-2010	Clinical Research Program Faculty Committee	Massachusetts General Hospital
2009-2012	Partners Research Council	Mass General Brigham (formerly Partners HealthCare)
2011-2013	Partners Research IT Committee	Mass General Brigham (formerly Partners HealthCare)
2012-2017	Partners Biorepository Implementation Committee	Mass General Brigham (formerly Partners HealthCare)
2012-2017	Academic Executive Committee	Mass General Brigham (formerly Partners HealthCare)
2019-	Partners Data and Tissue Sharing Committee	Mass General Brigham (formerly Partners HealthCare)
2019-	Data Science Oversight Committee	Mass General Brigham (formerly Partners HealthCare)

**Regional**

2001-2005	HST Curriculum Committee	Massachusetts Institute of Technology
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**Professional Societies**

## American Society of Nephrology

1997-	Member
2002-2003	Clinical Science Committee
2002-2003	Abstract Reviewer
2004-2008	Co-Director, Post Graduate Course (Epidemiology)
2008-2009	Annual Meeting Program Committee
2009	Co-Chair, Late Breaking Clinical Trials Committee
2012-2013	Annual Meeting Program Committee
2013	Board Review Course, Speaker (Pregnancy)
2013	Co-Director, Post Graduate Course (Nephro-Prevention)
2013	Co-Chair, Late Breaking Clinical Trials Committee
2017	Board Review Course, Speaker (Pregnancy)

## International Society of Hypertension in Pregnancy

2000-2003	Member
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## National Kidney Foundation

2002-2009	Member
2002	Annual Meeting Planning Committee
2003-2008	Clinical Research Committee
2004-2006	Vice Chair, Clinical Research Committee
2007-2009	Chair, Clinical Research Committee
2012	Co-Chair, Young Investigator Grant Selection Committee
2012	Co-Chair, Breakout Session, GFR Decline as an Endpoint for Trials in CKD

## International Society of Nephrology

2013-	Member
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**Grant Review Activities**

2003	Grant Review Committee	Swiss National Science Foundation
2003	Research Grant Committee	Satellite Health Care North America
2003-2004	Study Section, Epidemiology Disease Committee I (EDC-I)	National Institutes of Health
2003-2004	Study Section, Biology of Adverse Fetal Outcomes (RFA)	National Institutes of Health
2007	Special Emphasis Panel Study Section NIDDK (PAR 06-113) Study Section Member	National Institutes of Health
2007	Special Emphasis Panel Study Section (NIDDK PA-06-387) Study Section Member	National Institutes of Health
2007	Special Emphasis Panel Study Section (NIDDK T32/K08 Reviews) Study Section Member	National Institutes of Health
2008-2012	Kidney, Nutrition, Obesity and Diabetes Epidemiology (KNOD) Permanent Study Section Member	National Institutes of Health
2009	Grant Reviewer	United Kingdom Renal Research
2010	Special Emphasis Panel Study Section (NIDDK GRB-S 02 1) Study Section Member	National Institutes of Health
2010	Grant Reviewer	Canadian Institutes of Health
2010	Grant Reviewer	German Federal Ministry of Education and Research
2010	Grant Reviewer	Diabetes United Kingdom
2010	Grant Reviewer	Harvard Catalyst, Harvard Medical School
2011	Grant Reviewer	Wellcome Trust, United Kingdom
2012	Grant Reviewer	Juvenile Diabetes Research Foundation
2012	Grant Reviewer	National Institute for Health Research Fellowship, United Kingdom
2012	Grant Reviewer	National Institute for Health Research Fellowship, United Kingdom
2012	Grant Reviewer	Austrian Science Fund
2013	Special Emphasis Panel Study Section 2013/05 ZRG1 DKUS-L (81) Study Section Member	National Institutes of Health
2013	Special Emphasis Panel Study Section NIH ZRG1 PSE-S (02) Study Section Member	National Institutes of Health
2014	Special Emphasis Panel Study Section NIH ZDK1 GRB-9 M3 Study Section Member	National Institutes of Health
2014	Kolff Physician Researcher Grant	Dutch Kidney Foundation, The Netherlands
2015	Special Emphasis Panel Study Section NIH ZRG1 EMNR-W (02) Study Section Reviewer	National Institutes of Health
2016	PAR 15-067 entitled NIDDK Multi-Center Clinical Study Cooperative agreement (U01) Study Section	National Institutes of Health
2019 (June)	Chair, ZRG1 DKUS-B (55) Clinical Pilot Studies in Kidney Diseases Special Emphasis Panel Study Section	National Institutes of Health

2019 (Oct.)	Chair, ZRG1 DKUS-B (55) Clinical Pilot Studies in Kidney Diseases Special Emphasis Panel Study Section	National Institutes of Health
2019	Chair, ZDK1 GRB-M (O5) Chronic Kidney Disease Biomarkers Consortium Applications Study Section	National Institutes of Health

### Editorial Activities

#### **Ad Hoc Reviewer**

American Journal of Internal Medicine  
 American Journal of Kidney Diseases  
 American Journal of Nephrology  
 Annals of Internal Medicine  
 Atherosclerosis  
 British Journal of Pharmacology  
 Circulation  
 Hypertension  
 Journal of Bone Mineral Research  
 Journal of Cardiovascular Pharmacology  
 Journal of Clinical Endocrinology and Metabolism  
 Journal of Clinical Investigation  
 Journal of the American Medical Association  
 Journal of the American Society of Nephrology  
 Kidney International  
 Lancet  
 Medicine  
 Menopause  
 Metabolism  
 New England Journal of Medicine  
 Obstetrics and Gynecology  
 Proceedings of the National Academy of Sciences USA

#### **Other Editorial Roles**

2001	Editor	<i>Current Medical Literature-Lysosomal Storage Diseases</i>
2002	Guest Editor	<i>Journal of the American Society of Nephrology</i>
2005-2012	Editorial Board	<i>Clinical Journal of American Society of Nephrology</i>
2006-2008	Associate Editor	<i>American Journal of Kidney Diseases</i>
2009-2012	Editorial Board	<i>Journal of the American Society of Nephrology</i>
2013-	Editorial Board	<i>American Journal of Nephrology</i>
2014-	Editorial Board	<i>Nephrology Dialysis Transplantation</i>
2015-2016	Guest Editor	<i>Journal of the American Society of Nephrology</i>
2016-	Associate Editor	<i>Journal of the American Society of Nephrology</i>

Honors and Prizes

1987	Professional Student Award	University of Guam	
1987	Phi Beta Kappa and <i>Summa Cum Laude</i>	University of Notre Dame	
1990	Alpha Omega Alpha	University of Pennsylvania	
1991	Nathan and Paulin Pincus Prize	University of Pennsylvania	Outstanding Achievement as a Clinician
1991	Alfred Stengel MD Memorial Prize	University of Pennsylvania	Academic Excellence for Academic Medicine
1999	Doris Duke Clinical Scientist Nominee 1999	Harvard Medical School	
2000	Daniel D. Federman Outstanding Clinical Educator Award	Harvard Medical School	
2000	Class of 2000 Faculty Award for Excellence in Clinical Teaching	Harvard Medical School	
2008	Inducted Member	American Society of Clinical Investigation	
2008	Inducted Member	American Epidemiological Society	
2008	Honorary Degree, Distinguished Visiting Professor, and Commencement Speaker	Panamerican University School of Medicine, Mexico City, Mexico	
2009	Appreciation Award	Guam Medical Association	
2009	Appreciation Award	American Society of Nephrology	
2011	Priscilla Kincaid-Smith Visiting Professor	Royal Melbourne, Australia	Single person chosen each year to spend one week teaching, lecturing, and advising faculty and student at the Royal Melbourne Hospital.
2011	Kathleen Valles Visiting Professor	St. George's Hospital, London, England	Single person chosen each year to review the education, research, and clinical activities of the Department of Medicine at St. George's Hospital, London, England.
2011	Scientific Recognition Award	American Nephrologists of Indian Origin	One of two recipients recognized by Indian Nephrologists for his/her Scientific contributions in Nephrology.
2011	Jaime Herrera Acosta Honorary Lecture	Instituto Mexicano de Investigaciones Nefrológicas (IMIN)	Single Honorary Lecture at the annual Nephrology Research Conference in Mexico.

2012	Shaul Massry Distinguished Lecture Award	National Kidney Foundation	One award given annually for scientific achievements in Nephrology.
2012	Saulo Klahr Lecture	Department of Medicine, Washington University of St. Louis, St. Louis, MO	Single Medical Grand Rounds Lecturer each year to honor the scientific accomplishments of Saulo Klahr, a distinguished world-renowned Nephrologist.
2013	Dr. KS Chugh Award Oration	Annual Conference of the International Society of Nephrology, New Delhi	One oration award given annually for scientific achievements in Nephrology.
2014	Kleeman Visiting Scholar	UCLA Annual Visiting Scholar	Single investigator each year chosen to visit UCLA and affiliated hospitals for 3 days as visiting scholar.
2014	Helen Randall Dunham Cardio-Renal Lecturer	Brigham and Women's Hospital	One guest speaker per year with an expertise in Cardio-Renal Syndrome.
2014	Alumni Award of Merit	Harvard School of Public Health Alumni Association	The HSPH Alumni Award of Merit is the highest honor the School can bestow upon a graduate of the HSPH, recognizing a significant career in the field of public health.
2014	Outstanding Speaker Award	The American Association of Clinical Chemistry	This award recognizes earning a speaker evaluation rating of 4.5 or higher during a 2014 continuing education activity accredited by AACC.
2015	Robert W. Schrier Endowed Lectureship	The American Society of Nephrology (ASN)	This award is presented annually at ASN Kidney Week to honor Dr. Schrier's outstanding contributions to nephrology, biomedical research, and education.
2015	Inducted Member	American Association of Physicians	
2016	Honors for Outstanding Contributions in Nephrology Research & Education	International Society of Nephrology & American Nephrologists of Indian Origin	
2016	Irene Tamagna Honorary Lecture in Hypertension	George Washington University, Department of Medicine, Washington, DC	Single Honorary Lecture at the annual Irene Tamagna Lecture in Hypertension



2017	Charles Austin MD Visiting Professor	Baylor University Medical Center, Dallas, TX	Honorary Lectureship.
2017	Harold Amos Faculty Diversity Award	Harvard Medical School/Harvard School of Dental Medicine	To recognize and celebrate faculty who have made significant achievements in moving HMS and HSDM towards being a diverse and inclusive community.
2019	Inducted Member	American Clinical and Climatological Association	
2020	John P. Peters Award	American Society of Nephrology	Single Annual Award given to an individual who has made substantial research contributions in Nephrology and has sustained achievements in domains of academic medicine including education and leadership.

## **Report of Funded and Unfunded Projects**

### **Funding Information**

#### **Past**

1995-1998	Risk Factors for Hypertensive Disorders of Pregnancy American Kidney Fund-Amgen Inc, Clinical Scientist in Nephrology Award PI, \$100,000 (direct costs) To study the epidemiology of hypertensive disorders of pregnancy
1998-2000	Lipid abnormalities and Hypertensive Disorders of Pregnancy John E. Lawrence Fellowship of the Hinduja Foundation PI, \$75,000 (direct costs) To study lipid alterations in women with a history of preeclampsia
1998-2003	Modifiable Risk Factors for Hypertensive Disorders of Pregnancy NIH K08 HL03804 PI, \$500,000 (direct costs) To examine alterations in lipids and blood pressure and risk for hypertensive disorders of pregnancy
2002-2007	Androgens, Lipids, Insulin, and Hypertensive Pregnancy Hypertensive Pregnancy NIH R01 HD39223 PI, \$1,250,000 (direct costs) To study alterations in androgens, lipids, and insulin resistance and risk for preeclampsia
2004-2007	Cytokines and Angiogenesis Related Growth Factors in Pregnancy American Diabetes Association Clinical Investigator Award PI, \$300,000 (direct costs) To characterize changes in cytokines and angiogenic factors among women who develop gestational diabetes
2005-2007	Antibody Microarray Predicting Pima Diabetic Nephropathy NIH R21 DK68465 PI, \$275,000 (direct costs)

- To identify urine proteins in Pima Indians that predict subsequent development of diabetic nephropathy
- 2005-2008 Biological Measures and Hemodialysis Survival  
NIH R21 DK71674  
PI, \$275,000 (direct costs)
- To examine alterations in the metabolism of vitamin D and adverse outcomes in chronic hemodialysis patients
- 2005-2009 Gestational Diabetes and Preeclampsia Cytokine Profiles  
NIH R01 DK67397  
PI, \$1,000,000 (direct costs)
- To identify early trimester cytokines that predict development of gestational diabetes and preeclampsia
- 2008-2009 Vitamin D and CVD  
NIH R13 HL093954  
PI, \$25,000 (direct costs)
- To hold a national meeting with experts in cardiovascular disease and vitamin D
- 2008-2011 Identifying Urinary Biomarkers of Type 1 Diabetic Nephropathy  
Juvenile Diabetes Research Foundation  
PI, \$450,000 (direct costs)
- To identify urine proteins linked to subsequent development of diabetic nephropathy
- 2010-2011 Omega-3 Fatty Acids and Risk of Sudden Cardiac Death in Hemodialysis Patients  
NIH R21 DK084403  
Co-PI, \$74,340 (Subcontract)
- To examine the association between baseline levels of Omega-3 fatty acids and subsequent risk for sudden cardiac death in incident dialysis patients
- 2007-2012 Role of FGF-23 in Mineral Metabolism Across the Chronic Kidney Disease  
NIH R01 DK076116  
Co-PI
- To characterize the role of FGF-23 and alterations thereof in patients with chronic kidney disease
- 2009-2012 Ergocalciferol and ESRD  
NIH R01 DK84974  
PI, \$500,000 (direct costs)
- To perform a pilot randomized trial in incident chronic hemodialysis treated with ergocalciferol (2 arms with different doses) or placebo and to examine changes in white cell expression and release of specific inflammatory cytokines
- 2008-2012 Angiogenic Factors and Women's Health  
American Heart Association, Established Investigator Award  
Co-I, \$150,000 (direct costs)
- To examine the role of angiogenic factors in predicting preeclampsia in a prospective cohort of pregnant women
- 2008-2013 Clinical Research Center, MIT, Co-Director  
NIH UL1 TR000170-05  
Co-Dir, \$500,000
- To Co-direct the MIT Clinical Research Center
- 2010-2013 Translational Studies Examining Soluble EPO Receptor and EPO Resistance in Dialysis  
NIH R21 HL102882  
PI, \$137,000 (direct costs)
- To examine the role of soluble EPO receptor in EPO resistance among patients with Chronic Kidney Disease

- 2011-2013 Clinical Characterization of the APOL-1 associated phenotype  
NIH P01 DK092158  
MPI, \$90,000 (direct costs)  
To seed a collaborative group that will examine the effects of APOL-1 gene on development and progression of chronic kidney disease
- 2011-2014 Pasteur Program (PI)  
President and Fellows of Harvard  
Clinical Research Fellowship Program for medical students  
The major goal of this project is to encourage medical students to pursue a career in medical research by giving them an opportunity to experience clinical research firsthand.
- 2013-2014 PDE5i with Tadalafil Changes the Extent of Renal Damage (PITCH\_ER)  
NIH/NHLBI 1R01 HL119155-01A (Thadhani, PI)  
PI, \$176,968 (direct costs)  
To simultaneously examine the impact of PDE5i on renal function and injury, areas not previously examined, and one that will be critical to cardiac and renal patients alike.
- 2008-2014 Abbott Laboratories  
PRIMO Trial: Vitamin D and Cardiac Alterations in Kidney Disease  
PI, \$238,971 (direct costs)  
The major goal of this study is to coordinate an investigator initiated worldwide randomized clinical trial to test the hypothesis that activated vitamin D prevents the progression or regresses left ventricular hypertrophy in patients with renal failure.
- 2011-2014 DIVINE Study: Dialysis Infection In New England  
NIH/NIDDK R01 DK092143  
PI, \$42,694 (direct costs)  
To extend a randomized trial examining whether nutritional vitamin D supplementation reduces the risk of developing an infection while receiving routine chronic hemodialysis.
- 2012-2015 Deltanoid Pharmaceuticals  
Study Chair Agreement  
PI, \$7,874 (direct costs)  
The major goal of this project is to understand and consult on vitamin D analogs and their effect on metabolic disease in nephrology.
- 2013-2015 Pragmatic Trials in Maintenance Hemodialysis  
NIH/NCCAM UH3 DK102384  
Co-Investigator, \$6,722 (direct costs)  
To determine if increasing the duration of dialysis sessions reduces the mortality for patients initiating treatment with maintenance hemodialysis.
- 2014-2015 Feasibility Assessment for Phase 1b Study of Atacicept in Lupus Nephritis  
EMD Serono, Inc.  
PI, \$42,600 (direct costs)  
The major goal of this study is to conduct a feasibility assessment of a Phase 1b trial of Atacicept in patients with lupus nephritis (LN).
- 2012-2015 Removal of Anti-Angiogenic Proteins in preeclampsia before Delivery (RAAPID) Trial  
Kaneka Corporation - Contract  
PI, \$461,711 (direct costs)  
To test whether dextran sulfate apheresis removes sFlt-1 and is safe in pregnancy
- 2013-2015 Role of FGF23 in Mineral Metabolism Across the Spectrum of Chronic Kidney Disease  
NIH/NIDDK R01DK076116-08  
Co-investigator \$35,000 (direct costs)  
The goal of this project is to investigate fibroblast growth factor 23 biology across the spectrum of chronic kidney disease.
- 2011-2016 Training in Cell Structure and Function in Nephrology  
NIH/NIDDK T32DK07540-30

- PI, \$457,340  
 The major goal of this project is to train postdoctoral fellows in cell and molecular biology.
- 2012-2016 Impact of Vitamin D supplementation on cardiac status and function  
 NIH R01 HL112746-03  
 MPI, \$45,303 (direct costs)  
 To perform an ancillary study of cardiac structure and function (echocardiogram) among a subset of participants in the randomized trial (VITAL) of vitamin D and omega-3 fatty acids taking place throughout the U.S.
- 2012-2017 Patient Oriented Studies of Vitamin D in Chronic Kidney Disease  
 NIH K24 DK094872-05  
 PI, \$121,839 (direct costs)  
 The major goal of this project is to mentor Nephrology fellows interested in becoming patient oriented investigators.
- 2013-2017 Research Fellows Program  
 Amgen, Inc.  
 PI, \$43,478 (direct costs)  
 The major goal of this project is to support two research fellows and their research to further advance the educational and research mission of the Division of Nephrology at Massachusetts General Hospital
- 2014-2018 Characterization of Pathogenic Factors  
 EMD Serono, Inc.  
 PI, \$200,899 (direct costs)  
 The major goal of this study is a characterization of pathogenic factors and cells in the blood and urine from patients with Systemic Lupus Erythematosus (SLE) and Lupus Nephritis (LN).
- 2016-2018 Coordinating Center Agreement: Removal of Anti-Angiogenic Proteins in Preeclampsia before Delivery: 3rd Cohort (RAAPID-3)  
 Kaneka Corporation  
 PI, \$575,216 (direct costs)  
 The major goal of this project is to test whether dextran sulfate apheresis removes sFlt-1 and is safe in pregnancy.
- 2017-2018 Training for Multidisciplinary Research in Nephrology  
 NIH/NIDDK T32DK007540-31A  
 PI, \$277,460 (PI-Transitioned)  
 The major goal of this project is to offer comprehensive multidisciplinary research training to four highly selected postdoctoral trainees in Nephrology.
- 2012-2019 Redefining Vitamin D Deficiency: The Role of Bioavailable Vitamin D  
 NIH/NIDDK R01 DK094486-06  
 PI, \$282,667 (direct costs)  
 The major goal of this project is to determine how bioavailable vitamin D alters the definition of vitamin D deficiency in a large diverse US population.
- 2010-2020 LUCID Study: Longitudinal US Canadian Incident Dialysis Study  
 Canadian Institutes of Health Research IRO 90262 (R01 Type Grant)  
 Clinical, Biochemical and Genetic Risk Factors for CAC and Left Ventricular Hypertrophy (LVH)  
 MPI proposal, PI (US), \$35,714 (direct costs)  
 The major goal of this project is to examine genetic risk factors for CAC and left ventricular hypertrophy in end stage renal disease.
- 2016-2020 Randomized Trial of Vitamin D and Omega-3 Fatty Acids for Diabetic Kidney Disease  
 NIH/NIDDK R01 DK088762-06 (de Boer, PI)  
 Co-Investigator, \$24,662 (direct costs)

The major goal of this project is to evaluate the long-term effects through a randomized trial of Vitamin D and Omega-3 fatty acids on diabetic kidney disease.

## Current

- 2017-2022 Kidney Information Network for Disease Research and Education (KINDRED)  
Genzyme Corporation  
PI, \$2,116,654 (direct costs)  
The major goal of this project is to collect and store biological samples (DNA, plasma, serum), along with relevant medical information from adults with End Stage Renal Disease (ESRD) on dialysis.
- 2018-2021 PRAECIS Trial: Preeclampsia Risk Assessment: Evaluation of Cut-offs to Improve Stratification  
ThermoFisher Scientific Brahms Biomarkers France  
PI, \$1,500,000 (direct costs)  
The major goals of this project are to 1) Identify a cut-off for the ratio of the serum proteins soluble FMS-like Tyrosine Kinase 1 (sFLT-1) and placental growth factor (PIGF) that identifies women who will develop preeclampsia with severe features within 2 weeks of testing (clinically positive) from those who do not develop preeclampsia with severe features within 2 weeks of testing (clinically negative) among preterm pregnant women with hypertensive disorders of pregnancy and 2) To validate the cut-off the ratio of sFLT-1 and PIGF and to validate the performance of the automated assays used to find the cut-off. Test performance includes positive predictive value, negative predictive value, sensitivity, and specificity.

## Current Unfunded Projects

### Report of Local Teaching and Training

#### Teaching of Students in Courses

1997-2004	Critique of the Literature, Section Leader 20 students/year	Harvard Medical School/Harvard School of Public Health 20 hours preparation/90 minutes contact/year
1997-2013	Core 1 Medicine, MGH	Harvard Medical School rotation for 3 <sup>rd</sup> year students, 8 lectures per quarter
2008-2013	Renal Disease in Pregnancy Post-graduate students	Nephrology Update (Burton Rose, Director) 1 hour preparation, 30 minutes contact

#### Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

1996-2002	Acute Renal Failure, Resident Lecture Series, Lecturer Medical residents, students	Massachusetts General Hospital, Department of Medicine 25 hours preparation/60 minutes contact/year
1998-2017	Renal Disease in Pregnancy, Fellowship Lecture Series, Lecturer Renal Staff, residents, fellows	Massachusetts General Hospital and Brigham and Women's Hospital, Renal Unit 20 hours preparation/60 minutes contact/year
1999	Lipid and Blood Pressure Management in Women, Resident Lecture Series, Lecturer Residents, students	Massachusetts General Hospital, Obstetrics Unit 20 hours preparation/60 minutes contact

2000	Hypertensive Disorders of Pregnancy, Resident Lecture Series, Lecturer Staff, residents, students	Massachusetts General Hospital, Obstetrics Unit 20 hours preparation/60 minutes contact
2001	Hypertension During and After Pregnancy, Seminar, Lecturer Students enrolled in Master's Program	Harvard School of Public Health 10 hours preparation/60 minutes contact

### Clinical Supervisory and Training Responsibilities

2000-2017	Renal Consult and Intensive Care Unit Attending 2-4 weeks per year with renal fellow	Massachusetts General Hospital
2018-	Renal Consult and Intensive Care Unit Attending 2-4 weeks per year with renal fellows and residents	Cedars-Sinai Medical Center

### Laboratory and Other Research Supervisory and Training Responsibilities

1999-2017	Overseeing a clinical research laboratory inclusive of data manager, statisticians, laboratory technicians, nurses, research assistants, students, fellows, and junior and senior faculty members. Massachusetts General Hospital. ( <a href="http://kidneyresearchcenter.mgh.harvard.edu">http://kidneyresearchcenter.mgh.harvard.edu</a> )	~ 10 hours per week
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### Formally Supervised Trainees

2000-2008	<b>Myles Wolf, MD, MMSc.</b> , Professor of Medicine and Chief of Nephrology, Duke University School of Medicine, Postdoc, Research Project - Metabolic Alterations in Women with a History of Hypertension and Diabetes in Pregnancy, Postdoc, Research Project – FGF-23 and Chronic Kidney Disease. <u>Grants:</u> American Society of Nephrology Career Development Grant, NIH K23, K30, and R01 Awards.
2002-2003	<b>Jennifer Sauk, MD</b> , Director, Clinical Care, UCLA Center for Inflammatory Bowel Diseases, Postdoc, Research Project - Inflammatory Cytokines and Prediction of Gestational Diabetes <u>Grant:</u> Dorris Duke Clinical Research Fellowship Award.
2003-2006	<b>Karen Smirnakis, MD, PhD, MPH</b> , Vice President, Head of Global Medical Safety, Biogen, Postdoc, Research Project - Postpartum Diabetes Screening in Women with a History of Gestational Diabetes <u>Grant:</u> American Diabetes Association.
2004-2005	<b>*Abelardo Martinez, MD</b> , Interventional Cardiologist, Methodist Hospital, San Antonio, Postdoc, Research Project – MGH Obstetrical Maternal Study.
2005-2006	<b>*Manuel Monroy-Trujillo, MD</b> , Assistant Professor, Medicine-Nephrology, Johns Hopkins University School of Medicine, Postdoc, Research Project – MGH Obstetrical Maternal Study.
2006-2012	<b>Ishir Bhan, MD, MPH</b> , Medical Director of Drug Safety, Safety and Benefit Risk, Biogen, Postdoc, Research Project - hCAP18 and Chronic Kidney Disease <u>Grant:</u> National Kidney Foundation Fellowship Award, K08 Award.

- 2006-2013 \***Hector Tamez Aguilar, MD, MPH**, Cardiologist, Beth Israel Deaconess Medical Center, Postdoc Research Project - Cardiovascular Diseases in End-Stage Renal Disease Patients.
- 2006-2008 \***Alejandro Rauh-Hain, MD, MPH**, Assistant Professor and Gynecologic Oncologist, University of Texas MD Anderson Cancer Center, Postdoc, Research Project – MGH Obstetrical Maternal Study.
- 2007-2010 **Tamara Isakova, MD, MPH**, Director, Institute for Public Health and Medicine and Associate Professor of Medicine, Northwestern University Feinberg School of Medicine, Postdoc, Research Project - Postprandial Calciuria and Secondary Hyperparathyroidism in Early Chronic Kidney Disease  
Grant: K08 Awarded 2010.
- 2008-2010 **Maryam Afkarian, MD, PhD**, Associate Professor, UC Davis, Postdoc Research Project - Identifying Urinary Biomarkers of Diabetic Nephropathy.  
Grant: Juvenile Diabetes Research Foundation Fellowship, K08.
- 2009-2017 \***Camille Powe, MD**, Endocrinologist, Co-Director MGH Diabetes in Pregnancy Program, Assistant in Medicine, Massachusetts General Hospital, Instructor in Medicine, Harvard Medical School, Postdoc, Research Project - Metabolic Alterations in Women with a History of Hypertension and Diabetes in Pregnancy.  
Grants: Howard Hughes Research Fellowship, Harold Amos Medical Faculty Development Program (AMFDP), Research Project: Toward Personalized Prevention and Therapy for Gestational Diabetes Mellitus; K23 (NIDDK), Research Project: Elucidating Determinants of Gestational Beta-Cell Adaptation and Failure.
- 2009-2012 **Julien Pham, MD, MPH**, President & COO Genprex, Inc., Postdoc, Research Project - Dialysis Vascular Access Dysfunction and ESRD Outcomes. Mentor.
- 2010-2012 **Chunmei Huang, MD, MS**, Attending Physician, Massachusetts General Hospital, Postdoc, Research Project - Diabetes and Genetics as Related to ESRD Outcomes. Mentor.
- 2010-2015 **Eugene Rhee, MD**, Assistant Professor of Medicine, Harvard Medical School, Chief of Nephrology, Massachusetts General Hospital, Postdoc, Research Project - Metabolomic Biomarkers in Chronic Kidney Disease. Co-Mentor.  
Grant: K08, Research Project: Metabolite Profiling and Cardiovascular Mortality in ESRD.
- 2010-2015 **Marta Christov, MD, PhD**, Assistant Professor of Medicine, New York Medical College, Postdoc, Research Project – Renal Bone Disease and Mineral Metabolism. Co-Mentor.  
Grant: K08 Award.
- 2011-2020 **Sagar Nigwekar, MD, MMSc**, Assistant Professor of Medicine, Harvard Medical School, Assistant in Medicine, Massachusetts General Hospital, Postdoc, Research Project - Translational Studies in Calciphylaxis, Scholars in Clinical Science Program. Mentor.  
Grants: KL2/CMeRIT Clinical and Translational Science Grant Award (Harvard Catalyst), Clinical Scientist in Nephrology Fellowship by the American Kidney Fund, American Heart Association Mentored Clinical & Population Research Award, American Heart Association NCRP Summer 2014 Mentored Clinical and Population, and American Heart Association NCRP Winter Fellow to Faculty Transition Award; 1U01DK123818-01: Reducing Chronic Pain and Opioid Use in Hemodialysis Patients.
- 2011-2020 **Sahir Kalim, MD, MMSc**, Assistant Professor of Medicine, Harvard Medical School, Assistant in Medicine, Massachusetts General Hospital, Postdoc, Research Project - New insights on uremic toxicity, metabolism and dialysis outcomes, Scholars in Clinical Science Program. Mentor.  
Grants: National Kidney Foundation Young Investigator Grant, Harvard Catalyst KL2 Clinical and Translational Science Grant, K23, Effects of Protein Carbamylation in End-Stage Kidney; 1U01DK123818-01: Reducing Chronic Pain and Opioid Use in Hemodialysis Patients.

- 2011-2017 **\*Rhonda Bentley-Lewis, MD, MMSc**, Physician, Diabetes Unit, Massachusetts General Hospital, Postdoc, Research Project – Metabolomic Profiling to Characterize Women at Increased Risk for Developing GDM and T2DM. Co-Mentor.  
Grant: R03, Research Project: Metabolomic Profiling in the Prediction of Gestational Diabetes Mellitus.
- 2012-2018 **\*Nwamaka Eneanya, MD, MPH**, Assistant Professor of Medicine, University of Pennsylvania School of Medicine, Postdoc, Research Project - Health Care Disparities in Chronic Kidney Disease. Mentor.  
Grants: American Society of Nephrology Ben J. Lipps Research Fellowship Program, Research Project: Discussing End-of-Life: Racial Disparities in End-of-Life Preferences in Chronic Kidney Disease Patients Due to Limited Health Literacy, MGH/CDI Physician-Scientist Development Award, Research Project: Integrating Advance Care Planning Into a Pre-Dialysis Educational Program, NIDDK K23: Integrating Conservative Kidney Management Options and Advance Care Planning into a Pre-dialysis Educational Program.
- 2012-2018 **Yossi Chait, PhD** (Mechanical Engineering), Professor University of Massachusetts Amherst, MA. Mentor.  
Grant: K25, Research Project: The Engineering of Individualized Anemia Management Protocols.
- 2012-2015 **\*Guillermo Ortiz, MD**, Fellow, Gastroenterology/Clinical Research in Hepatology, Yale New Haven Hospital, New Haven CT, Postdoc, Research Project - Identify biological markers in the Diagnosis, Prediction, and Prognosis of Hepatorenal Syndrome (HRS). Mentor.
- 2014-2020 **Andrew Allegretti, MD, MSc**, Instructor in Medicine, Harvard Medical School, Assistant in Medicine in the Division of Nephrology and Director of ICU Nephrology, Massachusetts General Hospital, Postdoc, Research Project - Novel Diagnostics of Kidney Injury. Mentor.  
Grants: Clinical Research Award from the American College of Gastroenterology, Research Project: In-depth Understanding of Hepatorenal Syndrome and Potential Therapies. AASLD Career Development Award, Research Project: Vascular Activation in Hepatorenal Syndrome.
- 2014-2020 **Meghan Sise, MD, MS**, Assistant in Medicine, Massachusetts General Hospital, Postdoc, Research Project - Understanding the Effects of Hepatitis C Virus Infection on Patients with Chronic Kidney Disease. Co-Mentor with Dr. Raymond T. Chung, Vice Chief, Gastrointestinal Unit, Massachusetts General Hospital.  
Grants: K23, Effect of Hepatitis C Virus Eradication on Chronic Kidney Disease Progression. Gilead Sciences, Research Project: Effect of Ledipasvir and Sofosbuvir on Proteinuria and Estimated Glomerular Filtration Rate in Patients with Early Stage (1-3) Hepatitis C Associated Chronic Kidney Disease, Abbvie Inc., Research Project: Safety, Efficacy, and Changes in Traditional and Novel Biomarkers of Kidney Function in Patients with Hepatitis C and advanced chronic kidney disease treated with Abbvie 3-D Regimen.
- 2014-2015 **Kinjal Patel, MD**, Director of Clinical Care and Value, Calyx Health, Postdoc, Research Project - Describing the Epidemiology and Practice Patterns of Cancer Screening in Dialysis Patients. Mentor.
- 2015-2020 **\*Opeyemi A. Olabisi, MD, PhD**, Assistant Professor of Medicine, Duke University, Postdoc, Research Project - Mechanisms of ApoL1 Nephropathy, Co-Mentor with Dr. Martin Pollak, Chief of Nephrology at Beth Israel Deaconess Medical Center.  
Grants: Harold Amos Medical Faculty Development Program (AMFDP), Research Project: Uncovering the Molecular Mechanism of ApoL1 Nephropathy; DP2-DK124891-01: A Human Stem Cell-Derived Podocyte Model of APOL1 Nephropathy.
- 2015-2020 **Jessica Sheehan Tangren, MD, MPH**, Instructor in Medicine at Harvard Medical School and an Assistant in Medicine at the Massachusetts General Hospital, Postdoc, Research Project - Pregnancy and Kidney Disease.



- Grant: K23, Awarded 2018. American Kidney Fund Clinical Scientist in Nephrology Fellowship, Research Project: Renal and Vascular Dysfunction after AKI: Implications for Pregnancy and Beyond.
- 2015 **Charbel C. Houry, MD**, Assistant Professor of Medicine, Division of Nephrology, Washington University School of Medicine, Postdoc, Research Project - Protein Energy Wasting and Kidney Disease.
- 2016-2017 \***Daniela Contreras, MD**, Research Fellow, Massachusetts General Hospital, Postdoc, Research Project - Chronic Kidney Disease and Gestational Diabetes.
- 2016 \***Xavier Fernando Vela Parada, MD**, Residency, Internal Medicine, Mount Sinai Medical Center, New York, NY, Research Fellow, Massachusetts General Hospital, Postdoc, Research Project - Chronic Kidney Disease.
- 2016-2017 **Lida Pamela Hariri, MD, PhD**, Assistant Pathologist, Massachusetts General Hospital, Postdoc, Research Project - Development and Clinical Application of High-resolution Optical Imaging. Member of Advisory Committee.
- Grant: K23, Research Project: Low Risk In Vivo Diagnosis of IPF with Optical Imaging.
- 2016-2020 \***Kabir Olaniran, MD**, Assistant Professor of Medicine (Nephrology) / Attending Physician, The University of Texas Southwestern Medical Center at Dallas, Postdoc, Research Project – Renal and Cardiovascular Outcomes in African Americans with Sickle Cell Disorders.
- Grant: ASN Ben J. Lipps Research Fellowship Award
- 2016-2020 **Kenneth Lim, MD, PhD**, Attending Physician, Massachusetts General Hospital and Instructor in Medicine, Harvard Medical School. Research Area: Accelerated cardiovascular disease and premature aging in CKD. Mentor.
- Grants: NIH T32 Fellowship, NIH NIDDK K23 Career Development Award, Research Project: Dissecting the Role of Soluble  $\alpha$ -Klotho in Cardiovascular Aging.
- 2017-2020 **Neal Shah, MD**, Nephrology Fellow, Joint Nephrology Fellowship Program at the Massachusetts General Hospital and Brigham and Women’s Hospital, Postdoc, Research Project - Impact of Microbiota on Chronic Kidney Disease and Its Etiology.
- 2018-2020 \***Marciana Laster, MD**, Pediatric Nephrology, University of California Los Angeles, Grant: K23 Career Development Award, Research Project: CKD-MBD in Pediatric Dialysis Patients.
- 2018-2020 **Margo Minissian, PhD, ANCP**, Cedars-Sinai Medical Center. Grant: K23 Career Development Award, Research Project: Post-Partum Measures of Vascular Dysfunction following Preeclampsia

\*Under-represented Minority

### Formal Teaching of Peers (e.g., CME and other continuing education courses)

1997	Title: Hypertension in Pregnancy, Lecturer Internal Medicine Review Course	20 hours preparation/ 60 minutes contact Harvard Medical School and Massachusetts General Hospital
1997	Title: Renal Disease in Pregnancy, Lecturer From Bench to Bedside: Nephrology Review Course	20 hours preparation/ 60 minutes contact Harvard Medical School and Brigham and Women’s Hospital
1999	Title: Renal Disease in Pregnancy, Lecturer From Bench to Bedside: Nephrology Review Course	20 hours preparation/ 60 minutes contact Harvard Medical School and Brigham and Women’s Hospital
2001	Title: Renal Disease in Pregnancy, Lecturer	20 hours preparation/ 60 minutes contact

2002	From Bench to Bedside: Nephrology Review Course Title: Renal Disease in Pregnancy, Lecturer	Harvard Medical School and Brigham and Women's Hospital 20 hours preparation/ 60 minutes contact
2002	From Bench to Bedside: Nephrology Review Course Title: Perspectives in Chronic Renal Insufficiency, Lecturer Update and Review of Internal Medicine	Harvard Medical School and Brigham and Women's Hospital 10 hours preparation/ 60 minutes contact Harvard Medical School and Massachusetts General Hospital
2003	Title: Chronic Renal Insufficiency: The Rising Epidemic, Lecturer Update and Review of Internal Medicine	10 hours preparation/ 60 minutes contact Harvard Medical School and Massachusetts General Hospital
2004	Title: Chronic Renal Insufficiency: The Rising Epidemic, Lecturer Update and Review of Internal Medicine	10 hours preparation/ 60 minutes contact Harvard Medical School and Massachusetts General Hospital
2004-2008	Epidemiology Post Graduate Course, Lecturer	American Society of Nephrology, Annual Meetings, 4 hours preparation
2008	Title: Renal Disease in Pregnancy Nephrology 2008	2 hours preparation/ 60 minutes contact Harvard Medical School and Beth Israel Deaconess Medical Center
2009	Title: Renal Disease in Pregnancy Nephrology	2 hours preparation/ 60 minutes contact Harvard Medical School and Beth Israel Deaconess Medical Center
2009	Title: Update on Vitamin D Internal Medicine Review and Update	2 hours preparation/ 45 minutes contact Harvard Medical School and Massachusetts General Hospital
2010	Title: Renal Disease in Pregnancy Nephrology	2 hours preparation/ 60 minutes contact Harvard Medical School and Beth Israel Deaconess Medical Center
2010	Title: Update on Vitamin D Internal Medicine Review and Update	2 hours preparation/ 45 minutes contact Harvard Medical School and Massachusetts General Hospital
2011	Title: Update on Vitamin D Internal Medicine Review and Update	2 hours preparation/ 45 minutes contact Harvard Medical School and Massachusetts General Hospital
2012	Title: Renal Disease in Pregnancy	2 hours preparation/ 60 minutes contact

	Nephrology	Harvard Medical School and Beth Israel Deaconess Medical Center
2012	Title: Renal Disease in Pregnancy	2 hours preparation/ 60 minutes contact
	Nephrology	Harvard Medical School and Brigham and Women's Hospital
2012	Title: Update on Vitamin D	2 hours preparation/ 45 minutes contact
	Internal Medicine Review and Update	Harvard Medical School and Massachusetts General Hospital

### Local Invited Presentations

1996	Cholesterol Embolism, Medical Grand Rounds, Co-Lecturer, Massachusetts General Hospital, Department of Medicine, Boston, MA
1996	Cholesterol Embolism, Medical Grand Rounds, Co-Lecturer, Brigham and Women's Hospital, Department of Medicine, Boston, MA
1997	Risk of Hypertensive Disorders of Pregnancy, Medical Grand Rounds, Co-Lecturer, Massachusetts General Hospital, Department of Medicine, Boston, MA
1999	Hypertensive Disorders of Pregnancy – A Precursor Disorder, Medical Grand Rounds, Lecturer, Massachusetts General Hospital, Department of Medicine, Boston, MA
2000	Androgens, Lipids, and Insulin in Hypertensive Disorders of Pregnancy, Obstetrics Grand Rounds, Lecturer, Massachusetts General Hospital, Department of Obstetrics and Gynecology, Boston, MA
2002	Title: Hypertension and Pregnancy, Principal Discussant, Medical Grand Rounds, Faulkner Hospital, Boston, MA
2004	Old Diseases New Insights: Can We Really Change the Course of Renal Disease? Medical Grand Rounds, Lecturer, Massachusetts General Hospital, Department of Medicine, Boston, MA
2004	Title: Vitamin D and Dialysis Mortality, Principal Discussant, Renal Grand Rounds, Beth Israel Deaconess Medical, Boston, MA
2004	Title: Hypertension During and After Pregnancy, Principal Discussant, Invited Lecture, Obstetrics Grand Rounds, Beth Israel Deaconess Hospital, Boston, MA
2011	Title: Translational Studies with Vitamin D in Renal Disease, University of Massachusetts Medical Center, Worcester, MA
2012	Title: Translational Studies in CKD-MBD, Renal Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA
2012	Title: From Bench to Bedside: Preeclampsia, University of Massachusetts Medical Center, Worcester, MA
2013	Title: Preeclampsia: From Science to Medicine, Massachusetts General Hospital – Brigham and Women's Hospital joint Renal Grand Rounds
2013	Title: Inching Towards a Therapy for Preeclampsia, Principal Discussant, Medical Grand Rounds, Massachusetts General Hospital
2014	Title: Vitamin D Deficiency, Principal Discussant, Massachusetts General Hospital Endocrinology Grand Rounds

### Report of Regional, National and International Invited Teaching and Presentations

#### Invited Presentations and Courses

##### **Regional**

1998	Title: Renal Disease in Pregnancy, Lecturer, Grand Rounds, Renal Unit, University of Massachusetts Medical Center
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- 2000 Title: Chronic Renal Insufficiency: A Rising Epidemic? Lecturer, Massachusetts Association of Pharmacists
- 2002 Title: Hypertension During and After Pregnancy: Lost Opportunities, Principal Discussant, Medical Grand Rounds, Metro-West Medical Center, Framingham, MA
- 2002 Title: Update of Chronic Renal Insufficiency: Anemia and CVD, Principal Discussant, Medical Grand Rounds, Melrose-Wakefield Medical Center, MA
- 2002 Title: Hypertension and Pregnancy, Principal Discussant, Renal Grand Rounds, Renal Division, Yale University, New Haven, CT
- 2003 Title: Vitamin D and Dialysis Survival, Principal Discussant, Renal Grand Rounds, Tufts New England Medical Center, Boston, MA
- 2004 Title: Hypertensive Disorders of Pregnancy: From Biology to Clinical Outcomes, Invited Lecture, Renal Grand Rounds, Boston University, Boston, MA
- 2005 Title: Vitamin D and Survival on Dialysis Patients, Principal Discussant, Invited Lecture, Renal Division, Yale University, New Haven, CT
- 2005 Title: Preeclampsia: Biology, Clinical Research, Clinical Practice, Principal Discussant, Invited Lecture, Division of Nephrology, Maine Medical Center, Maine
- 2007 Title: MACS Study and Other Research Endeavors, Primary Discussant, Invited Lecture, BROAD Institute – Metabolism Conference, Massachusetts Institute of Technology
- 2010 Title: Preeclampsia, from Observations and Biology to Trials, Primary Discussant, Invited Lecture, Center for Environmental Health Sciences, Massachusetts Institutes of Technology
- 2010 Title: Vitamin D metabolism in Renal Failure, Primary Discussant, Invited Lecture, University of Massachusetts Medical Center Nephrology Rounds, Worcester, MA
- 2011 Title: From Observations to Clinical Trials: A Tale of Two Stories, Primary Discussant, Medical Grand Rounds, University of Massachusetts Medical Center, MA
- 2011 Title: Vitamin D and Mortality in CKD, Invited Lecture, Brown University, Rhode Island Hospital, Renal Rounds, Providence, RI
- 2014 Title: Vitamin D Deficiency: A Global Pandemic? Boston University School of Medicine Endocrinology Grand Rounds, Boston, MA
- 2014 Title: Vitamin D and CVD, Beth Israel Deaconess Hospital Cardiovascular Center Grand Rounds, Boston, MA
- 2014 Title: Preeclampsia: From Science to Medicine, Cardiovascular Grand Rounds, Brigham and Women’s Hospital, Boston MA
- 2017 Title: Preeclampsia: From Science to Medicine, Keynote Speaker, Harvard Catalyst Clinical and Translational Science Academy Research Day Graduation, Boston, MA
- 2018 Title: Renal Disease and Pregnancy, Intensive Review of Nephrology, Boston, MA
- 2018 Title: Renal Disease and Pregnancy, Nephrology 2018 Course, Boston, MA
- 2018 Title: Biosimilars – Why Don’t We Have More of Them? Frenova Renal Research 2018 Conference, Waltham, MA
- 2019 Title: Renal Disease and Pregnancy, Intensive Review of Nephrology, Boston, MA

**National**

- 1999 Title: Hypertensive Disorders of Pregnancy, Lecturer, Medical Grand Rounds, Guam Memorial Hospital
- 1999 Title: Renal Epidemiology of Fabry’s Disease, Principal Discussant, Round Table Discussion, Miami, Florida
- 2001 Title: Chronic Renal Insufficiency, Principal Discussant, Lecture, Buffalo Nephrology Society
- 2001 Title: Hypertensive Disorders of Pregnancy: The MOMS cohort, Principal Discussant, Grand Rounds, University of Texas at San Antonio
- 2002 Title: Hypertension in Pregnancy: Why should Nephrologists Care?, Principal Discussant, Renal Grand Rounds, Uniformed Services University of the Health Sciences, Bethesda, MD

- 2002 Title: Chronic Renal Insufficiency: Anemia and CVD, Principal Discussant, Medical Grand Rounds, Uniformed Services University of the Health Sciences, Bethesda, MD
- 2002 Title: Cardiovascular Disease and Anemia in CRI, Principal Discussant, Medical Grand Rounds, University Center Hospital, Rochester, NY
- 2002 Title: Hypertension During and After Pregnancy, Principal Discussant, Renal Grand Rounds, Columbia University, NY
- 2002 Title: Microalbuminuria and Diabetic Nephropathy, Principal Discussant, Lecture, American College of Physicians Annual Meeting, Philadelphia, PA
- 2002 Title: Advances in Management of Chronic Kidney Disease, Principal Discussant, Lecture, Southern Illinois University Nephrology Symposium
- 2002 Title: Hypertension During Pregnancy and Beyond, Principal Discussant, Renal Grand Rounds, University of Alabama, Birmingham
- 2002 Title: Hypertension During and After Pregnancy, Principal Discussant, Lecture, Guam Medical Society, Guam USA
- 2003 Title: Hypertension During Pregnancy and Beyond, Principal Discussant, Medical Grand Rounds, Syracuse University, Syracuse, NY
- 2003 Title: Hypertension During Pregnancy and Beyond, Principal Discussant, Renal Grand Rounds, University of California at San Francisco, San Francisco, CA
- 2003 Title: Chronic Kidney Disease: New Insights, Principal Discussant, Medical Grand Rounds, Erlanger Medical Center, Chattanooga, TN
- 2003 Title: Ethical Issues Arising from Differing Study Designs – Cohort Studies vs. Randomized Trials, Principal Discussant, Invited Lecture, American College of Epidemiology Annual Conference, Chicago, IL
- 2003 Title: Do Patients on Dialysis Need Vitamin D?, Principal Discussant, Renal Grand Rounds, UCLA Medical Center, Los Angeles, CA
- 2003 Title: Vitamin D on Dialysis, Principal Discussant, Renal Grand Rounds, Emory Medical Center, Atlanta, GA
- 2003 Title: Fabry Disease and the Nephrologist, Post Graduate Course: Genetic Diseases That Affect the Kidney, Principal Discussant, American Society of Nephrology Annual Meeting, San Diego, CA
- 2003 Title: Vitamin D and Survival On Dialysis, Vitamin D Symposia, Plenary Lecture, Principal Discussant, American Society of Nephrology Annual Meeting, San Diego, CA
- 2004 Title: Vitamin D and Survival on Dialysis, Principal Discussant, Renal Grand Rounds, Henry Ford Hospital, Detroit, MI
- 2004 Title: Vitamin D and Mortality on Dialysis, Principal Discussant, Renal Grand Rounds, Cleveland Clinic, OH
- 2004 Title: Vitamin D and Mortality on Dialysis, Principal Discussant, Invited Lecture, Conference on Renal Osteodysrophy, UCLA
- 2004 Title: Is Vitamin D Needed During Dialysis, Principal Discussant, Invited Lecture, American Society of Nephrology Regional Meeting, Chicago, IL
- 2004 Title: Widespread Effects of Vitamin D on Dialysis Outcomes, Principal Discussant, Invited Lecture, Mineola Hospital, Mineola, NY
- 2004 Title: Effect of Injectable Vitamin D and Dialysis Outcomes, Principal Discussant, Invited Plenary Lecture, National Kidney Foundation Annual Meeting, Chicago, IL
- 2004 Title: Hypertension During and After Pregnancy: A Focus on Insulin Resistance and Angiogenesis, Principal Discussant, Invited Lecture, Naval Medical Center Medical Grand Rounds, San Diego, CA
- 2004 Title: Do Patients on Dialysis Need Vitamin D for Survival, Principal Discussant, Invited Lecture, Renal Grand Rounds, Duke University Medical Center, Raleigh-Durham, NC
- 2004 Title: Perplexing Issues in Nephrology: Vitamin D Analogues, Principal Discussant, Invited Lecture, National Kidney Foundation Annual Meeting, Chicago, IL

- 2004 Title: Do Patients on Dialysis Need Vitamin D for Survival, Principal Discussant, Invited Plenary Lecture, Renal Care Group Annual Meeting, Dallas, TX
- 2004 Title: Does Vitamin D Alter Dialysis Outcomes?, Principal Discussant, Invited Lecture, Renal Grand Rounds, University of Miami, Miami, FL
- 2004 Title: Vitamin D and Dialysis Mortality: Epidemiology to Biology, Principal Discussant, Invited Lecture, American Society of Nephrology Annual Meeting, Symposium on Vitamin D, St. Louis, MO
- 2004 Title: Hypertensive Disorders of Pregnancy, From Biology to Clinical Disease, Principal Discussant, Invited Lecture, Renal Grand Rounds, University of Virginia Division of Nephrology, Charlottesville, VA
- 2004 Title: Future of a Physician Scientist, Principal Discussant, Invited Lecture, National Institutes of Health Student Clinical Research Day
- 2005 Title: Vitamin D and Survival on Dialysis Patients?, Principal Discussant, Invited Lecture, Advances in End Stage Renal Disease, New Orleans, LA
- 2005 Title: Vitamin D and Survival on Dialysis Patients: What are the data?, Principal Discussant, Invited Lecture, American Society of Nephrology Regional Meeting, Washington, D.C.
- 2005 Title: Has Vitamin D been Overlooked?, Principal Discussant, Invited Lecture, Advances In Renal Disease, University of Missouri, Annual Symposium, Tampa, FL
- 2005 Title: Vitamin D: The Forgotten Hormone, Principal Discussant, Invited Lecture, Division of Nephrology, Medical University of South Carolina, Charleston, SC
- 2005 Title: Vitamin D Hormone: Survival on Hemodialysis, Principal Discussant, Invited Lecture, National Kidney Foundation Annual Meeting, Washington, D.C.
- 2005 Title: Research Use of Databases: Pros and Cons, Principal Discussant, Invited Lecture, National Kidney Foundation Annual Meeting, Washington, D.C.
- 2005 Title: Preeclampsia: From Biology to Clinical Medicine, Principal Discussant, Invited Lecture, Lankenau Hospital Medical Grand Rounds, PA
- 2005 Title: Vitamin D and Survival, Principal Discussant, Visiting Professor and Invited Lecture, Vanderbilt University, TN
- 2005 Title: Preeclampsia: Biology and Clinical Medicine, Visiting Professor and Invited Lecture, Vanderbilt University, TN
- 2005 Title: Vitamin D and Non Mineral Effects, Principal Discussant, Visiting Professor and Invited Lecture, University of Wisconsin at Madison, WI, Renal Grand Rounds
- 2005 Title: Cohort Studies, Co-Director and Lecturer, American Society of Nephrology Post Graduate Course, Philadelphia, PA
- 2005 Title: Vitamin D and Renal Disease, Principal Discussant, Visiting Professor and Invited Lecture, George Washington University, D.C., Renal Grand Rounds
- 2006 Title: Mortality on Dialysis: The Role of Vitamin D, Principal Discussant, Invited Lecture, University of California, Los Angeles, CA, Renal Grand Rounds
- 2006 Title: Vitamin D and Hemodialysis Survival, One of six discussants, Invited Lecture, American Society of Bone and Mineral Research, Philadelphia, PA
- 2006 Title: Vitamin D as a Survival Factor, One of four discussants, Invited Lecture, American Society of Nephrology, San Diego, CA
- 2006 Title: Vitamin D in Kidney Failure: History Repeats Itself, Primary Discussant, Invited Lecture, Center for Clinical Epidemiology and Biostatistics, University Pennsylvania School of Medicine, PA
- 2006 Title: Vitamin D in Kidney Failure, Primary Discussant, Invited Lecture, University Miami School of Medicine, FL
- 2007 Title: Vitamin D and Cardiovascular Disease, Primary Discussant, Invited Lecture, University of California, Los Angeles, CA

- 2007 Title: Vitamin D in Renal Failure: An example of Reverse Translation, Primary Discussant, Visiting Professor and Invited Lecture, Medical Grand Rounds, Ohio State University Medical Center, OH
- 2007 Title: Inflammation and Insulin Resistance: Novel Risk factors for Gestational Diabetes? Primary Discussant, Invited Lecture, American Diabetes Association, Chicago, IL
- 2007 Title: Proteomics Based Diagnostics and Sample Collection, Co-Discussant, Invited Lecture, National Institutes of Health, Bethesda, MD
- 2007 Title: Vitamin D and Renal Failure: An Example of Reverse Translation, Primary Discussant, Visiting Professor and Invited Lecture, Medical College of Wisconsin Nephrology Division, Milwaukee, WI
- 2007 Title: Vitamin D and Renal Failure: An Example of Reverse Translation, Primary Discussant, Visiting Professor and Invited Lecture, Vanderbilt University Nephrology Division, Nashville, TN
- 2007 Title: Vitamin D and Chronic Kidney Disease Mortality, Primary Discussant, Invited Lecture, University of Kansas Kidney Institute, Kansas City, MO
- 2007 Title: Vitamin D and CVD Mortality, Primary Discussant, Invited Lecture, American Society of Nephrology Annual Meeting
- 2007 Title: Observations, Biology, and Trials: Vitamin D and CKD, Primary Discussant, Visiting Professor, University of Pennsylvania Dept of Nephrology
- 2008 Title: Cardiac Hypertrophy: Planning Clinical Trials, Primary Discussant, Host Symposium and Lecturer, Vitamin D and CVD NHLBI sponsored Symposium, Boston, MA
- 2008 Title: Vitamin D and Cardiac Disease, Primary Discussant, Invited Lecture and Co-Director, UCLA Renal Osteodystrophy Symposium.
- 2008 Title: Observations, Biology, and Trials: Vitamin D and CKD, Primary Discussant, Visiting Professor and Invited Lecture, University of Utah Dept of Nephrology
- 2008 Title: Mechanisms of CVD and Vitamin D Effects, Primary Discussant, Invited Lecture, National Kidney Foundation Annual Meeting, Dallas, TX
- 2008 Title: Malnutrition, Inflammation, and CKD, Primary Discussant, Invited Lecture, National Kidney Foundation Annual Meeting, Dallas, TX
- 2008 Title: Vitamin D and CKD: Observations, Biology, and Trials, Primary Discussant, Visiting Professor and Invited Lecture, University of Chicago Nephrology Division
- 2008 Title: Vitamin D and CKD: PTH and Beyond, Primary Discussant, Invited Lecture, American Society of Nephrology Annual Meeting, Philadelphia, PA
- 2008 Title: Surrogate Outcomes in Clinical Trials, Primary Discussant, Invited Lecture, American Society of Nephrology Annual Meeting, Philadelphia, PA
- 2008 Title: Cardio-Renal Syndromes: The Role of Vitamin D, Primary Discussant, Invited Lecture, American Heart Association Annual Meeting, New Orleans, LA
- 2009 Title: Plasma Gelsolin and Hemodialysis Outcomes, Primary Discussant, Invited Lecture, American Epidemiology Society Annual Meeting, Seattle, WA
- 2009 Title: Vitamin D in CKD: From Observations to Trials, Primary Discussant, Invited Lecture, University of Texas Southwestern Medical Center, Dallas, TX
- 2009 Title: From A to Z with (Vitamin) D: Lessons in Nephrology, Primary Discussant, Donald Fraley Lecture, University of Pittsburgh Medical Grand Rounds, Pittsburgh, PA
- 2009 Title: LVH in Renal Disease: The Role of Vitamin D, Primary Discussant, Invited Lecture, American Heart Association Annual Meeting, Orlando, FL
- 2010 Title: Adaptive Designs in Clinical Trials, Primary Discussant, Invited Lecture, American Society of Nephrology Annual Meeting, Denver, CO
- 2010 Title: Vitamin D, Primary Discussant, Invited Lecture, American Society of Nephrology Annual Meeting, Denver, CO
- 2010 Title: Vitamin D and Vascular Disease, Primary Discussant, Invited Lecture, American Heart Association Annual Meeting, Chicago, IL

- 2011 Title: Vitamin D, Cardiovascular Disease, and Kidney Disease, Primary Discussant, Medical Grand Rounds, UC San Diego Department of Medicine, San Diego, CA
- 2011 Title: An Update on Clinical Trials with Vitamin D, Invited Lecture, American Society of Nephrology Annual Meeting, Philadelphia, PA
- 2011 Title: Vitamin D and Cardiac Structure, Function, and CV Events, American Society of Nephrology Annual Meeting Late Breaking Clinical Trials, Philadelphia, PA
- 2012 Title: Translational Studies in Kidney Disease: A Tale of 2, Primary Discussant, Invited Lecture, University of Miami Renal Grand Rounds, Miami, FL
- 2012 Title: An update on Preeclampsia, Invited Lecture, Penn Symposium on Heart Disease in Pregnancy, Philadelphia
- 2012 Title: Cardiovascular Disease in Kidney Disease, Invited Lecture, National Kidney Foundation Annual Meeting, Washington, DC
- 2012 Title: Translational Studies in CKD-MBD, Plenary Lecture, National Kidney Foundation Annual Meeting, Washington, DC
- 2012 Title: Vitamin D Sterols, Hypertension and Renal Disease, Plenary Session, American Society of Hypertension, New York, NY
- 2012 Title: The PRIMO Study: Update, Primary Discussant, American Society of Nephrology Annual Meeting 2012, San Diego, CA
- 2012 Title: Vitamin D: Friend, Foe, or Innocent Bystander? St. Louis National Kidney Foundation Annual Lecture, St. Louis, MO
- 2012 Title: Preeclampsia: A Nephrologist's Perspective on Diagnosis and Management, Medical Grand Rounds, Washington University of St Louis Department of Medicine, St. Louis, MO
- 2012 Title: Preeclampsia: From The Bench to the (Nephrology) Clinic, Medical Grand Rounds, Scott&White Healthcare Texas A&M Health Science Center College of Medicine, Temple, TX
- 2012 Title: Vitamin D: Shedding Light on the Data, Medical Grand Rounds, Loyola University Medical Center, Chicago, IL
- 2012 Title: Vitamin D Sterols and Cardiac Structure and Function, American Society of Bone and Mineral Research Annual Meeting, Invited Lecture, Minneapolis, MN
- 2013 Title: Vitamin D and Hypertension, Vitamin D Workshop Annual Meeting, San Francisco, CA
- 2013 Title: Vitamin D Deficiency: A True Pandemic? Renal Grand Rounds Kansas University Medical Center, Kansas, MO
- 2013 Title: Preeclampsia: From Science to Medicine, Medical Grand Rounds, North Shore LIJ Health System in Great Neck, NY
- 2013 Title: Prevention of Complications of Preeclampsia, American Society of Nephrology 2013 Nephrorevention Post Graduate Course, Atlanta, GA
- 2014 Title: Vitamin D Deficiency: A Global Crisis? Medical Grand Rounds George Washington University, Washington DC
- 2014 Title: Vitamin D Deficiency: A Global Pandemic? University of Mississippi Medical Grand Rounds, Jackson, MS
- 2014 Title: Vitamin D in Renal Disease, Nephrology Grand Rounds, UC Irvine Medical Center, Los Angeles, CA
- 2014 Title: Vitamin D Deficiency: A Global Pandemic?, Nephrology Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, CA
- 2014 Title: Preeclampsia: From Science To Medicine, Medicine Grand Rounds, Ronald Reagan UCLA Medical Center, Los Angeles, CA
- 2014 Title: Does Vitamin D Deficiency Exist? Renal Grand Rounds, Northwestern University Division of Nephrology, Chicago, IL
- 2014 Title: Preeclampsia Therapies, Internal Society of Hypertension in Pregnancy Biannual Meeting, New Orleans, LA



- 2015 Title: Vitamin D Deficiency: Fact or Fiction, Renal Grand Rounds, Yale School of Medicine, New Haven, CT
- 2015 Title: Vitamin D Deficiency, Miami Pediatric Nephrology Seminar, University of Miami School of Medicine, Miami, FL
- 2015 Title: Biosimilars Coming Soon. Fresenius Medical Care Annual Directors' Meeting, Orlando, FL
- 2015 Title: Preeclampsia: From Science to Medicine, Rutgers University School of Medicine Medical Grand Rounds, Rutgers, NJ
- 2015 Title: Vitamin D Deficiency: Fact or Fiction, Framingham Heart Study Weekly Seminar, Framingham, MA
- 2015 Title: Adaptive Trial Design for AKI Interventional Studies, The Robert W. Schrier, MD, Endowed Lectureship, Principal Discussant, American Society of Nephrology Annual Meeting 2015, San Diego, CA
- 2015 Title: The Challenge of Controlling Phosphorous in CKD Patients, Principal Discussant, American Society of Nephrology Annual Meeting 2015, San Diego, CA
- 2015 Title: Early Experience with Targeted Apheresis in Preeclampsia, Principal Discussant, American Society of Nephrology Annual Meeting 2015, San Diego, CA
- 2016 Title: Preeclampsia: From Science to Medicine, New York University Langone Medical Center Medical Grand Rounds, New York, NY
- 2016 Title: My Journey with Vitamin D, Scientific Symposium for Dr. Eduardo Slatopolsky, Washington University of St Louis, St. Louis, MO
- 2016 Title: Preeclampsia: From Science to Medicine, Irene Tamagna Lecture in Hypertension, George Washington University Department of Medicine Grand Rounds, Washington, DC
- 2016 Title: Vitamin D Fact or Fiction, Renal Grand Rounds, University of Chicago Pritzker School of Medicine, Chicago, IL
- 2017 Title: Preeclampsia: From Science to Medicine, Medical Grand Rounds, University of Chicago Pritzker School of Medicine, Chicago, IL
- 2017 Title: Preeclampsia: Pathogenesis and Plasmapheresis, Essentials and Advances in Apheresis Therapies, University of San Diego, San Diego, CA
- 2017 Title: Preeclampsia: from Science to Medicine, Renal Grand Rounds, Columbia University, NY, NY
- 2017 Title: Preeclampsia: Pathophysiology and Novel Therapeutic Options, The 22<sup>nd</sup> International Conference On Advances in Critical Care Nephrology, San Diego, CA
- 2017 Title: Preeclampsia: From Science to Medicine, Renal Grand Rounds, Icahn School of Medicine at Mount Sinai, NY, NY
- 2018 Title: Pregnancy, CKD, HTN, and Preeclampsia, Grand Rounds, University of California, Irvine, CA
- 2018 Title: Program Overview / Treatment of SHPT: Can We Avoid Therapeutic Compromises? National Kidney Foundation Clinical Meeting, Austin, TX.
- 2018 Title: Fabry Disease for Nephrologists: From Suspicion to Treatment, American Society of Nephrology Symposium, San Diego, CA
- 2018 Title: State of the Art Lecture: Kidney Disease Associated with Pregnancy, The Columbia Renal Biopsy Course, NY, NY
- 2019 Title: Pregnancy and Kidney Disease, Renal Grand Rounds, Harbor-UCLA Nephrology, Torrance, CA
- 2019 Title: Pregnancy and the Kidney, Renal Grand Rounds, University of California, Los Angeles, CA
- 2019 Title: Preeclampsia: Obstetric Problem, Nephrology Solution, Medical Office Live, San Diego, CA
- 2019 Title: Roundtable: is it time to revise the categorization of kidney disease? 21<sup>st</sup> International Conference on Dialysis-Advances in Kidney Disease, New Orleans, LA

2019 Title: Preeclampsia, Katz Family Division of Nephrology & Hypertension Grand Rounds, University of Miami Health System, Miami, FL

### International

- 2000 Title: Androgens, Lipids, and Insulin: Risk factors for hypertensive disorders of pregnancy, Principal Discussant, Medical Grand Rounds, Hinduja Hospital, Mumbai, India
- 2001 Title: Genetic Causes of Renal Failure, Principal Discussant, Medical Grand Rounds, Hospital de Clínicas de Porto Alegre, Brazil
- 2001 Title: Genetic Causes of Renal Failure, Principal Discussant, Medical Grand Rounds, Pontifica Universidad Catolica, Argentina
- 2001 Title: Genetic Causes of Renal Disease, Principal Discussant, Grand Rounds, University of Toronto Department of Nephrology
- 2001 Title: Hypertension During and After Pregnancy: The Importance of Follow-up, Principal Discussant, Medical Grand Rounds, Escuela de Medicina, Universidad Panamericana, Mexico City
- 2002 Title: Renal Manifestations of Anderson-Fabry Disease, Principal Discussant, Medical Grand Rounds, Cambridge University, United Kingdom
- 2002 Title: Renal Pathology of Fabry Disease, Principal Discussant, Lecture, Portuguese Society of Nephrology Congress, Lisbon
- 2002 Title: The Kidney in Fabry Disease, Principal Discussant, Lecture, European Congress of Nephrology, Copenhagen
- 2003 Title: New insights Chronic Kidney Disease, Principal Discussant, Invited Plenary Lecture, Korean Society of Nephrology, Seoul, Korea
- 2003 Title: Hypertension During and After Pregnancy, Principal Discussant, Invited Lecture, Korean Society of Nephrology, Seoul, Korea
- 2004 Title: Does Vitamin D Alter Survival on Dialysis?, Principal Discussant, Invited Lecture, Renal Research Institute Symposia, San Juan, Puerto Rico
- 2004 Title: Vitamin D and Survival On Dialysis, Principal Discussant, Invited Lecture, European Dialysis-Transplant Association National Meeting, Lisbon Portugal
- 2004 Title: Vitamin D and Dialysis Mortality: A new look at an old friend, Principal Discussant, Invited Lecture, Greek Society of Nephrology Plenary Lecture
- 2004 Title: Is Vitamin D Necessary for Dialysis Patients?, Principal Discussant, Invited Lecture, Spanish Society of Nephrology Symposia Lecture, Tenerife, Spain
- 2005 Title: Vitamin D and Survival on Hemodialysis, Principal Discussant, Invited Lecture, Argentine Society of Nephrology, Buenos Aires, Argentina
- 2005 Title: Vitamin D: Beyond Mineral Metabolism and Onto Survival, Principal Discussant, Invited Lecture, European Dialysis and Transplant Association Annual Meeting, Istanbul, Turkey
- 2005 Title: Vitamin D in Nephrology, Principal Discussant, Invited Lecture, World Congress of Nephrology Annual Meeting, Singapore
- 2005 Title: Vitamin D and Hemodialysis Survival, Principal Discussant, Invited Lecture, Reina Sofia Hospital Renal Grand Rounds, Cordoba, Spain
- 2005 Title: Is Vitamin D Needed on Dialysis?, Principal Discussant, Invited Lecture, German Federation of Nephrology, Frankfurt, Germany
- 2006 Title: Vitamin D and Hemodialysis Survival, Primary Discussant, Invited Lecture, Vitamin D Workshop International Meeting, Victoria B.C.
- 2006 Title: Vitamin D and Survival: Mechanisms Explaining a Potential Survival Benefit, One of three discussants, Invited Lecture, European Renal Association Annual Meeting, Glasgow, UK
- 2006 Title: Vitamin D and Activation of the VDR, One of three discussants, Invited Lecture, German Society of Nephrology, Essen, Germany
- 2007 Title: Activated Vitamin D and Survival: Reverse Translation, Primary Discussant, Invited Lecture, International Meeting on Vitamin D, Barcelona, Spain

- 2007 Title: Activated Vitamin D and Hemodialysis Survival: Fact or Fiction?, Principal Discussant, Invited Lecture, Japanese Society of Dialysis and Transplantation, Osaka, Japan
- 2007 Title: Vitamin D and Survival: Examination of Hard Endpoints, Primary Discussant, Invited Lecture, European Renal Association Annual Meeting, Barcelona, Spain
- 2007 Title: Vitamin D and Renal Failure: CVD and Mortality, Primary Discussant, Invited Lecture, German Society of Nephrology, Munich, Germany
- 2008 Title: Scientific Rationale for a Trial on Vitamin D and CVD, Primary Discussant, Invited Lecture, Barcelona PRIMO Investigators Meeting, Spain
- 2008 Title: Observations, Biology, and Trials: Vitamin D and CKD, Primary Discussant, Visiting Professor and Invited Lecture, Korean Society of Nephrology
- 2008 Title: Vitamin D and Renal Disease, Primary Discussant, Invited Lecture and Visiting Professor, Toronto City-Wide Renal Rounds, Canada
- 2008 Title: Do Renal Patients need 25D, 1,25D, or both?, Primary Discussant, Invited Lecture, European Renal Association Annual Meeting, Stockholm, Sweden
- 2008 Title: Vitamin D and CKD: Observations, Biology, and Trials, Primary Discussant, Invited Lecture, British Renal Society, Glasgow, Scotland
- 2009 Title: The Role of Vitamin D in CKD, Primary Discussant, Invited Lecture, Bone Disease in CKD, Berlin, Germany
- 2009 Title: Vitamin D in CKD, Primary Discussant, Invited Lecture, Necker Hospital Annual Meeting, Paris, France
- 2009 Title: Vitamin D in Kidney Disease, Primary Discussant, Invited Lecture, World Congress of Nephrology, Milan, Italy
- 2009 Title: The Vitamin D Saga and Klotho: From Bench to Bedside, Primary Discussant, Monasterio Lecture, Italian Society of Nephrology Annual Meeting, Bologna, Italy
- 2009 Title: Hypertension in Pregnancy, Primary Discussant, Invited Lecture, Panamerican Society of Nephrology, Panama City, Panama
- 2009 Title: Vitamin D, LVH, and the Renin Angiotensin System, Primary Discussant, Invited Lecture, Berlin Dialysis Meeting, Berlin, Germany
- 2010 Title: Activated Vitamin D: Hormone? Drug? Life Saver? Primary Discussant, Invited Lecture, Nephrology at the Limits, Capetown, South Africa
- 2010 Title: Cardio-Renal Syndrome Meet the Professor Round Table, Primary Discussant, Invited Lecture, International Society of Nephrology NEXUS meeting, Kyoto, Japan
- 2010 Title: Vitamin D Activation and Left Ventricular Hypertrophy, Primary Discussant, Invited Lecture, European Renal Association Annual Meeting, Munich, Germany
- 2010 Title: Vitamin D and Phosphorus, Primary Discussant, Invited Lecture, KDIGO Cardiovascular Disease in CKD, London, England
- 2010 Title: Vitamin D Activation and Cardiovascular Disease, Primary Discussant, Invited Lecture, Israeli Society of Nephrology and Hypertension, Jerusalem, Israel
- 2011 Title: Vitamin D and Renal Disease, Primary Discussant, Priscilla Kinkaid Visiting Professor Lecture, Royal Melbourne Hospital, Australia
- 2011 Title: What we know and don't know about Vitamin D, Primary Discussant, Priscilla Kinkaid Visiting Professor Lecture, Royal Melbourne Hospital, Australia
- 2011 Title: Vitamin D: More than just calcium metabolism, Primary Discussant, World Congress of Nephrology, Vancouver, Canada
- 2011 Title: The PRIMO Trial, Primary Discussant, European Society of Dialysis and Transplantation, Prague, Czech Republic
- 2011 Title: Updated Results from Trials with Vitamin D, Primary Discussant, United Kingdom Renal Association, Birmingham, England
- 2011 Title: Cardiovascular Disease in Kidney Disease, Primary Discussant, St. George's Hospital, London, England

- 2011 Title: Preeclampsia: Are we closer to a therapy?, Medical Grand Rounds, St. George's Hospital, London, England
- 2011 Title: Randomized Trials in Vitamin D in Kidney Disease, International Society of Nephrology Update Course, Dubai, UAE
- 2011 Title: Preeclampsia: Novel Diagnostics and Therapies, Mexican Institute of Renal Research, Plenary Speaker for the 2011 Annual Meeting, Acapulco, Mexico
- 2011 Title: Vitamin D in Renal Disease: Observations To Trials, Mexican Institute of Renal Research, Plenary Speaker for the 2011 Annual Meeting, Acapulco, Mexico
- 2011 Title: Diagnosis and Treatment of Preeclampsia, Japanese Placental Society, Tokyo, Japan
- 2012 Title: Vitamin D and Kidney Disease: Update, International Society of Nephrology Nexus Symposium on Bone and the Kidney, Copenhagen, Denmark
- 2012 Title: Mineral and Bone Disease: The Next Era of Translational Studies in CKD, Annual Clinical Insights Meeting, Sydney, Australia
- 2012 Title: Kidney Disease in Pregnancy, APEX Kidney Foundation Annual Meeting, Plenary Speaker, Mumbai, India
- 2012 Title: Translational Studies in Kidney Disease, Invited Lecture, Primary Discussant, Chonbuk National University, Gwangju, Korea
- 2012 Title: Vitamin D and Renal Disease: Update of the PRIMO Study, Invited Lecture, Primary Discussant, European Renal Association Annual Meeting, Paris, France
- 2012 Title: Translational Studies in CKD MBD, Invited Lecture, Primary Discussant, University of Toronto Renal Grand Rounds, Toronto, Canada
- 2012 Title: Therapies in Preeclampsia: From Relaxin to Extracorporeal Removal, Plenary Speaker, International Society of the Study of Hypertension in Pregnancy 2012, Geneva, Switzerland
- 2012 Title: Translational Studies in CKD-MBD, Plenary Speaker, Biocon Symposium 2012, Bangalore, India
- 2013 Title: Translational Studies in CKD-MBD, Plenary Speaker, Aruba 2<sup>nd</sup> Annual Nephrology Congress, Aruba
- 2013 Title: Preeclampsia: Bench to Bedside, Plenary Speaker, Aruba 2<sup>nd</sup> Annual Nephrology Congress, Aruba
- 2013 Title: Preeclampsia: Diagnostics and Therapeutics, Annual Preeclampsia meeting, Linz, Austria
- 2013 Title: Vitamin D in Medicine, APEX Kidney Foundation Annual Meeting, Plenary Speaker, Mumbai, India
- 2013 Title: Vitamin D and Renal Fibrosis, World Congress of Nephrology Satellite Meeting, Guangzhou, China
- 2013 Title: Vitamin D and Cardiovascular Disease, Japanese Society of Dialysis Therapy, Fukuoka, Japan
- 2013 Title: Vitamin D Deficiency: Pandemic or Not? Plenary Speaker and KS Chugh Oration, Indian Society of Nephrology, Delhi, India
- 2014 Title: Preeclampsia: Science to Medicine, Principal Discussant, Society of Gynecological Investigation Annual Meeting, Florence, Italy
- 2014 Title: Vitamin D Deficiency, APEX annual meeting, Mumbai, India
- 2014 Title: Pilot Study in Preeclampsia, Principal Discussant, SEHTAG (Société d'Etude de l'Hypertension au cours de la grossesse) and SFMP (Société Française de Médecine Périnatale), Lyon, France
- 2014 Title: Vitamin D in CKD, Principal Discussant, Shanghai East Hospital Meeting on CKD, Shanghai, China
- 2015 Title: Pathogenesis of Preeclampsia, Principal Discussant, World Congress of Nephrology, Cape Town, South Africa

- 2015 Title: Parenteral Nutrition in ESRD, APEX Annual Nephrology Review Course, Mumbai, India
- 2015 Title: Management of Lupus Nephritis, APEX Annual Nephrology Review Course, Mumbai, India
- 2015 Title: Angiogenic Factors in Preeclampsia Cardiovascular Disease, Plenary Speaker, Japanese Society of Hypertension, Matsuyama, Japan
- 2015 Title: Kidney Disease in Pregnancy, Renal Grand Rounds, Peking Union Medical College, Beijing, China
- 2016 Title: Preeclampsia: Team Approach to Developing a Therapy, Keynote Speaker, The Calouste Gulbenkian Foundation, Lisbon, Portugal
- 2016 Title: HUS/TTP in Pregnancy, Keynote Speaker, Second Qatar Nephrology Conference, Doha, Qatar
- 2016 Title: Management of a Pregnant Patient with CKD, Keynote Speaker, Second Qatar Nephrology Conference, Doha, Qatar
- 2016 Title: Pre-eclampsia – New Insights into Pathophysiology and Treatment, Keynote Speaker, Royal Society of Medicine, London, England
- 2016 Title: Vitamin D Deficiency in Kidney Disease, Keynote Speaker, 2<sup>nd</sup> Annual Nephrology Forum, Peking University Medical College Hospital, Beijing, China
- 2016 Title: Plasmapheresis in Therapy for Preeclampsia, Keynote Speaker, 2<sup>nd</sup> Annual Nephrology Forum, Peking University Medical College Hospital, Beijing, China
- 2016 Title: Pre-eclampsia: From Science to Medicine, Plenary Speaker, Asian Pacific Congress of Nephrology, Perth, Australia
- 2016 Title: Pregnancy and Kidney Disease: A Review, Nephrology Update Course, Asian Pacific Congress of Nephrology, Perth, Australia
- 2016 Title: Vitamin D: The More we Know, the Less we Know, Nephrology Update Course, Asian Pacific Congress of Nephrology, Perth, Australia
- 2016 Title: Potential Therapeutics in Pre-Eclampsia, Keynote Speaker, IMSANZ and SOMANZ Annual Scientific Meeting, Alice Springs, Australia
- 2016 Title: Pre-Eclampsia Panel Discussion, Principal Discussant, IMSANZ and SOMANZ Annual Scientific Meeting, Alice Springs, Australia
- 2016 Title: Recent Development of Vitamin D Insufficiency, Keynote Speaker, ISPNCON 2016, 28<sup>th</sup> Annual Conference of Indian Society of Pediatric Nephrology, Odisha, India
- 2016 Title: Shifting Paradigm in Kidney Care: Protocol-Based Care in the Era of P4 Medicine, Keynote Speaker, ISPNCON 2016, 28<sup>th</sup> Annual Conference of Indian Society of Pediatric Nephrology, Odisha, India
- 2016 Title: Vitamin D and Cardiovascular Interplay in CKD, Keynote Speaker, ISNCON 2016, 47<sup>th</sup> Annual Conference of Indian Society of Nephrology, Mumbai, India
- 2016 Title: Pregnancy in Chronic Kidney Disease, Plenary Speaker, ISNCON 2016, 47<sup>th</sup> Annual Conference of Indian Society of Nephrology, Mumbai, India
- 2017 Title: Can we prevent cardiovascular disease by improving obstetric care? Asia Pacific Cardiorenal Forum, Guangzhou, China
- 2017 Title: Bone Metabolism and Cardiovascular Disease, Asia Pacific Cardiorenal Forum, Guangzhou, China
- 2017 Title: Pre-eclampsia from Science to Medicine, Keynote Speaker, Poriyah Medical Center, Haifa, Israel
- 2017 Title: Pre-eclampsia: An Example of Translational Medicine, Grand Rounds, Department of Nephrology, Rambam Hospital, Haifa, Israel
- 2017 Title: Big Data and Pre-eclampsia Diagnostics and Therapeutics, The 10<sup>th</sup> Sino-US Symposium on Medicine in the 21<sup>st</sup> Century and The Academic Forum for the 110<sup>th</sup> Anniversary of the 1907 Founding of Ruijin Hospital, Shanghai, China
- 2018 Title: Active Vitamin D and CVD, Keynote Speaker, ISN Frontiers, Tokyo, Japan

2018	Title: A 24yr woman with Hypertension is contemplating pregnancy. A nephrologist's viewpoint and advice, Speaker, ApEx-MGH 2018, Mumbai, India
2018	Title: Update on Vitamin D deficiency. Does it really exist? Speaker, ApEx-MGH 2018, Mumbai, India
2018	Title: A 50yr old gentleman on dialysis has IHD. Now what? Speaker, ApEx-MGH 2018, Mumbai, India
2018	Title: Angiogenic factors and novel therapies for preeclampsia, Speaker, Serbian Biomarker Symposium (SERBIS), Belgrade, Serbia
2018	Title: MGH-PUMCH Nephrology Forum, Speaker, Beijing, China
2018	Title: Parallel 3-PreEclampsia; All the way towards prediction and prevention, Curing Preeclampsia, Speaker, St. Petersburg, Russia
2018	Title: Translational research in preeclampsia: maternal and transgenerational effects. ISSHP Meeting, Plenary Speaker, Amsterdam, Netherlands
2019	Title: Vitamin D – Panacea or Much Ado About Nothing! Speaker, 21st Annual Cardiology, Diabetes & Nephrology at the Limits, London, UK
2019	Title: Update on Management of Diabetic Nephropathy. Speaker, ApEx-Cedars Nephrology Review Course, Mumbai, India
2019	Title: APOL1 and Kidney Disease. Speaker, ApEx-Cedars Nephrology Review Course, Mumbai, India
2019	Title: Update on Preeclampsia. Speaker, The 5 <sup>TH</sup> PUMCH-MGH Nephrology Forum, Beijing, China
2019	Title: APOL-1 and Kidney Disease. Speaker, The 5 <sup>TH</sup> PUMCH-MGH Nephrology Forum, Beijing, China
2019	Title: CKD and Pregnancy. Speaker, The 5 <sup>TH</sup> PUMCH-MGH Nephrology Forum, Beijing, China

### **Report of Clinical Activities and Innovations**

#### **Current Licensure and Certification**

1994	Diplomat, American Board of Internal Medicine
1995	Massachusetts Medical License Reg. No. 81439
1997	Diplomat, American Board of Nephrology
2007	Diplomat, American Board of Nephrology (2017)
2017	California Medical License Reg. No. G 153190

#### **Practice Activities**

1997-2002	Renal Attending	Outpatient Renal Clinic Revere at Massachusetts General Hospital	One half day/week
1997-	Renal Attending	Renal Consult Service	2-4 weeks/year

### **Report of Technological and Other Scientific Innovations**

Patent	60/505,707 Screening for Gestational Disorders (Angiogenic Factors and Insulin Resistance) Issued, Licensed
Patent	60/495,501 Screening for Gestational Disorders (Cytokines) Issued
Patent	60/735,978 Predicting Diabetic Nephropathy Filed

Patent	WO07001969A1 Vitamin D Deficiency and Dialysis Filed
Patent	Provisional, Soluble EpoR and Epo Resistance: Diagnostics and Therapeutics
Patent	Provisional, Bioavailable Vitamin D and Clinical Outcomes
Patent	Submitted, Carbamylated Albumin and Dialysis Mortality
Patent	Submitted, Novel Compound with Vitamin D activity

## **Report of Scholarship**

### **Peer reviewed publications in print or other media**

#### **Research Investigations**

1. Lee AH, Chin AE, Ramanujam T, **Thadhani R**, Callegari PE, Freundlich B. Gonococcal septic arthritis of the hip. J Rheum 1991;18:1932-3.
2. Hsu SI, **Thadhani R**, Daniels GH. Acute compartment syndrome in a hypothyroid patient. Thyroid 1995;5:305-8.
3. **Thadhani R**, Camargo CA, Xavier RJ, Fang LS, Bazari H. Atheroembolic renal failure after invasive procedures: Natural history based on 52 histologically-proven cases. Medicine 1995;74:350-8.
4. **Thadhani R**, Pascual M, Nিকেleit V, Tolkoff-Rubin N, Colvin R. Preliminary description of focal segmental glomerulosclerosis in patients with renovascular disease. Lancet 1996;347:231-3.
5. Pascual M, **Thadhani R**, Chung R, Williams WW, Meehan S, Tolkoff-Rubin N, Colvin R, Cosimi AB. Nephrotic syndrome after liver transplantation in a patient with hepatitis C virus-associated glomerulonephritis. Transplantation 1997;64:1073-6.
6. Pascual M, **Thadhani R**, Laposata M, Williams WW, Farell ML, Johnson S, Tolkoff-Rubin N, Cosimi AB. Anticardiolipin antibodies and hepatic artery thrombosis after liver transplantation. Transplantation 1997;64:1361-4.
7. Thomas MK, Lloyd-Jones DM, **Thadhani R**, Shaw AC, Deraska DJ, Kitch BT, Vamvakas EC, Dick IM, Prince RL, Finkelstein JS. Hypovitaminosis D in medical inpatients. N Engl J Med 1998;338:777-83.
8. Vonderheide RH, **Thadhani R**, Kuter DJ. Association of thrombocytopenia with the use of intra-aortic balloon pumps. Am J Med 1998;105:27-32.
9. **Thadhani R**, Stampfer MJ, Willett WC, Solomon CG, Curhan GC. High body mass index and hypercholesterolemia: Risk of hypertensive disorders of pregnancy. Obstet Gynecol 1999;94:543-50.
10. **Thadhani R**, Stampfer MJ, Chasan-Taber L, Willett WC, Curhan GC. A prospective study of pre-gravid oral contraceptive use and risk of hypertensive disorders of pregnancy. Contraception 1999;60:145-50.
11. **Thadhani R**, Ecker JL, Kettyle E, Sandler L, Frigoletto, FD. Pulse pressure and risk of preeclampsia: A prospective study. Obstet Gynecol 2001;97:515-20.
12. Wolf M, Kettyle E, Sandler L, Ecker JL, Roberts JM, **Thadhani R**. First trimester C-reactive protein and subsequent risk of preeclampsia. Obstet Gynecol 2001;98:757-62.

13. **Thadhani R**, Wolf M, West ML, Tonelli M, Ruthazer R, Pastores GM, Obrador GT. Patients with Fabry disease on dialysis in the United States. *Kidney Int* 2002;61:249-55.
14. **Thadhani R**, Camargo CA Jr, Willett WC, Stampfer, MJ, Rimm EB. Prospective study of moderate alcohol consumption and risk of hypertension in young women. *Arch Intern Med* 2002;162:569-74.
15. Wolf M, Sandler L, Muñoz K, Hsu K, Ecker JL, **Thadhani R**. First-trimester insulin resistance and subsequent preeclampsia: A prospective study. *J Clin Endocrinol Metab* 2002;87:1563-8.
16. Han W, Bailly V, Abichandani R, **Thadhani R**, Bonventre JV. Kidney injury molecule-1 (KIM-1): A novel biomarker for human renal proximal tubule injury. *Kidney Int* 2002;62:237-44.
17. Wolf M, Sandler L, Jimenez-Kimble R, Shah A, Ecker J, **Thadhani R**. Insulin resistance but not inflammation is associated with gestational hypertension. *Hypertension* 2002;40:886-91.
18. Wolf M, Sandler L, Smirnakas K, Hsu K, Ecker JL, **Thadhani R**. First trimester C-reactive protein and subsequent gestational diabetes. *Diabetes Care* 2003;26:819-24.
19. Teng M, Wolf M, Lowrie E, Ofsthun N, Lazarus JM, **Thadhani R**. Survival of patients undergoing hemodialysis with paricalcitol or calcitriol therapy. *N Engl J Med* 2003;349:446-56.
20. **Thadhani R**, Wolf M, Hsu-Blatman K, Sandler L, Nathan DM, Ecker JL. First trimester sex hormone binding globulin and subsequent gestational diabetes mellitus. *Am J Obstet Gyn* 2003;189:171-6.
21. Tong A, Roudaut R, Ozkan M, Sagie A, Shahid MS, Pontes S, Carreras F, Girard, Arnaout S, Stainback R, **Thadhani R**, Zoghbi W. Transesophageal echocardiography improves risk assessment of thrombolysis of prosthetic valve thrombosis: Results of the international PRO-TEE registry. *J Am Coll Cardiol* 2004;43:77-84.
22. Wolf M, Shah A, Sauk J, Jimenez-Kimble R, Smirnakis K, Ecker J, **Thadhani R**. Inflammation and glucose intolerance: A prospective study of gestational diabetes mellitus. *Diabetes Care* 2004;27:21-7.
23. **Thadhani R**, Mutter WP, Wolf M, Levine RJ, Taylor RN, Sukhatme VP, Ecker JL, Karumanchi SA. First trimester placental growth factor and soluble fms-like tyrosine kinase 1 and risk for preeclampsia. *J Clin Endocrinol Metab* 2004;89:770-5.
24. Levine RJ, Maynard SE, Qian C, Lim KH, England LJ, Yu K, Schisterman EF, **Thadhani R**, Sachs B, Epstein FH, Sabai BM, Sukhatme VP, Karumanchi SA. Circulating angiogenic factors and the risk of preeclampsia. *N Engl J Med* 2004;350:672-83.
25. **Thadhani R**, Ecker JL, Mutter WP, Wolf M, Smirnakis KV, Sukhatme VP, Levine RJ, Karumanchi SA. Insulin resistance and alterations in angiogenesis: Additive insults that may lead to preeclampsia. *Hypertension* 2004;43:988-92.
26. Wolf M, Shah A, Jimenez-Kimble R, Sauk J, Smirnakis K, Ecker J, **Thadhani R**. Differential risk of hypertensive disorders of pregnancy among Hispanic women. *J Am Soc Nephrol* 2004;15:1330-8.
27. Wolf M, Hubel CA, Lam C, Sampson M, Ecker JL, Ness RB, Rajakumar A, Daftary A, Shakir AS, Seely EW, Roberts JM, Sukhatme VP, Karumanchi SA, **Thadhani R**. Preeclampsia and future cardiovascular disease: Potential role of altered angiogenesis and insulin resistance. *J Clin Endocrinol Metab* 2004;89:6239-43.



28. Levine RJ, **Thadhani R**, Qian C, Lam C, Lim KH, Yu KF, Blink AL, Sachs BP, Epstein FH, Sibai BM, Sukhatme VP, Karumanchi SA. Urinary placental growth factor and the risk of preeclampsia. JAMA 2005;293:77-85.
29. Han W, Alinani A, Chin-Lee W, McGovern F, **Thadhani R**, Bonventre JV. Human kidney injury molecule-1 is a tissue and urinary tumor marker of renal cell carcinoma. J Am Soc Nephrol 2005;16:1126-34. PMID: PMC1307501.
30. Teng M, Wolf M, Ofsthun N, Lazarus JM, Hernán MA, Camargo, C. Jr., **Thadhani R**. Activated injectable vitamin D and hemodialysis survival: A historical cohort study. J Am Soc Nephrol 2005;16:1115-25.
31. Smirnakis K, Martinez A, Hsu-Blatman K, Wolf M, **Thadhani, R**. Early pregnancy insulin resistance and subsequent gestational diabetes mellitus. Diabetes Care 2005;28:1207-8.
32. Rajakumar A, Michael HM, Rajakumar PA, Shibata E, Hubel CA, Karumanchi SA, **Thadhani R**, Wolf M, Harger G, Markovic N. Extra-placental expression of vascular endothelial growth factor receptor-1, (Flt-1) and soluble Flt-1 (sFlt-1) by peripheral blood mononuclear cells (PBMCs) in normotensive and preeclamptic pregnant women. Placenta 2005;26:563-73.
33. Potischman N, Troisi R, **Thadhani R**, Hoover R, Dodd K, Davis W, Sluss P, Hsieh C, Ballard-Barbash R. Pregnancy hormone concentrations across ethnic groups: Implications for later cancer risk. Cancer Epidemiol Biomarkers Prev 2005;14:1514-20.
34. Wolf M, Shah A, Lam C, Martinez A, Smirnakis K, Epstein F, Taylor RN, Ecker JL, Karumanchi A, **Thadhani R**. Circulating levels of the antiangiogenic marker sFLT-1 are increased in first versus second pregnancies. Am J Obstet Gynecol 2005;193:16-22.
35. Ayus JC, Mizani MR, Achinger SG, **Thadhani R**, Go A, Lee S. Effects of short daily versus conventional hemodialysis on left ventricular hypertrophy and inflammatory markers: A prospective, controlled study. J Am Soc Nephrol 2005;16:2778-88.
36. Smirnakis K, Chasan-Taber L, Wolf M, Markenson G, Ecker J, **Thadhani R**. Postpartum diabetes screening in women with a history of gestational diabetes. Am J Obstet Gynecol 2005;106:1297-1303.
37. Pai JK, Hankinson SE, **Thadhani R**, Rifai N, Pischon T, Stampfer M, Rimm EB. Moderate alcohol consumption and lower levels of inflammatory markers in US men and women. Atherosclerosis 2006;186:113-20.
38. Levine RJ, Lam C, Qian C, Yu K, Maynard SE, Sachs BP, Sibai B, Epstein FH, Romero R, **Thadhani R**, Karumanchi SA. Soluble endoglin and other circulating antiangiogenic factors in preeclampsia. N Engl J Med 2006;355:992-1005.
39. Otu H, Can H, Spentzos D, Nelson RG, Hanson RL, Looker H, Knowler W, Monroy M, Libermann T, Karumanchi SA, **Thadhani R**. Prediction of diabetic nephropathy using urine proteomic profiling 10 years prior to development of nephropathy. Diabetes Care 2007;30:638-4.
40. Hubel CA, Wallukat G, Wolf M, Herse F, Rajakumar A, Roberts J, Markovic N, **Thadhani R**, Luft FC, Dechend R. Agonistic angiotensin II type 1 receptor autoantibodies in postpartum women with a history of preeclampsia. Hypertension 2007;49:612-7.

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**Narrative Report (limit to 500 words)**

I am the Chief Academic Officer for Mass General Brigham (formerly Partners HealthCare) and Harvard Medical School Faculty Dean for Academic Programs at Mass General Brigham. I am a physician-scientist by training with two main areas of research: Preeclampsia and Dialysis.

Pregnancy studies centered on human research support recent findings emerging from basic science collaborations in the area of angiogenic factors and preeclampsia. I performed pilot and proof-of-concept studies, retrospective and prospective studies, and planned and performed interventional trials. I initiated the PRAECIS study (<https://clinicaltrials.gov/ct2/show/NCT03815110>), which is a registrational study evaluating the utility of angiogenic blood markers to predict the development of preeclampsia with severe presentations. It is the first prospective study of its kind and involves 15 centers across the United States enrolling approximately 1,000 pregnant women. I have also performed first-in-human clinical studies testing the safety and efficacy of an apheresis strategy to remove sFlt-1 from maternal blood with the goal of safely extending pregnancy among women admitted with severe preterm preeclampsia before 32 weeks of gestation (<https://clinicaltrials.gov/ct2/show/NCT01404910>)

In dialysis, I examined the effect of vitamin D in the survival of chronic hemodialysis patients. These included animal experimental studies, hypothesis generating observational studies, and randomized trials (<https://clinicaltrials.gov/ct2/show/NCT00497146>). In addition, supported by a series of innovative studies, we have also put forward the concept that bioavailable vitamin D better characterizes the bodies vitamin D status than total vitamin D measurements.

Over the past several years, I have held several academic leadership positions including Massachusetts General Hospital: Chief of Nephrology; Mass General Brigham: Executive Director of the Clinical Trials Office; and Cedars-Sinai Medical Center in Los Angeles: Vice Dean of Research and Graduate Research Education, and Chair of Biomedical Sciences.