

CURRICULUM VITAE

A. **Personal Information:**

Name	Saeid Mordechai Nosrati, M.D.
Business Address	5826 Shirley Ave Tarzana Ca 91356
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Home Phone	
Place of Birth	Tehran, Iran
Date of Birth	1961
Citizenship	U.S.A.
E-Mail Address	nosrati@usc.edu

B. **Education:**

College or University	CUNY, Brooklyn College, NY, Premed (Chemistry), 1983
Medical School	SUNY, Downstate School of Medicine, Health Science Center At Brooklyn, NY, M.D, 1987
Internship	Albert Einstein School of Medicine (Internal Medicine), Montefiore Medical Center, Bronx, NY, 1987–1988
Residency	Albert Einstein School of Medicine (Internal Medicine), Montefiore Medical Center, Bronx, NY, 1988–1990
Fellowship	Harvard Medical School (Nephrology), Beth Israel Hospital, Boston, MA, 1990–1991

Fellowship	Harvard Medical School (Nephrology), NIH Sponsored Nephrology Research, Beth Israel Hospital, Boston, MA, 1991–1992 Research Fellow in Transplant Nephrology PCR Quantization (NIH sponsored) Beth Israel Hospital Harvard Medical School Boston, MA (1990-1992)
Licensure	California Massachusetts New York
Board Certification	Internal Medicine, 1991, 2001, 2015 Nephrology, 1993, 2003

C. Professional Background:

Academic Appointments:

Associate Professor of Medicine, Department of Medicine, Keck School of Medicine,
University of Southern California, Los Angeles, CA, 1999–Present

Assistant Professor of Medicine, Keck School of Medicine, University of Southern
California, Los Angeles, CA, 1992–Present

Research Fellow in Transplant Nephrology
Department of Medicine, Division of Transplantation & Immunology
Beth Israel Hospital
Harvard Medical School
1990-1992

Clinical Administrative Appointment

Medical Director,
Nephrology, Hypertension, CKD and Renal Transplant Clinic
LAC/USC at H. Claude Hudson Comprehensive Center
General Nephrology
Transplant Nephrology
Hypertension & CKD Care
Stone and Metabolic Diseases of the Kidney
July 1992 – Present

Medical Director of Home Dialysis & Peritoneal Dialysis Program

USC-DaVita Dialysis Center
July 1992-2010

Specific Teaching Responsibilities

Education and training of medical students, interns and residents, 1992–Present
Renal system course for second year students, Medical Center, 1992–Present
Resident seminars in nephrology, 1992–Present
Student Ward Preceptor, 1992–Present
Teaching responsibilities for medical students, interns and residents, 1992–Present
Teaching responsibilities for renal fellows, 1992–Present
Medical Director, LAC/USC Renal Clinic, LAC+USC Medical Center, Los Angeles, CA, 1992–Present
Medical Director, CKD Program, LAC+USC / H. Claudes Hudson Comprehensive Center, Los Angeles, CA, 1992–Present
Medical Director, Renal, Hypertension and Transplant Clinic, LAC+USC / H. Claudes Hudson Comprehensive Center, Los Angeles, CA, 1992–Present
Medical Director, Peritoneal Dialysis Program and Home Hemodialysis Program, USC Dialysis Center, 1992–Present
Attending Physician, CAPD Clinic, USC Outpatient Dialysis, LAC+USC Medical Center, Los Angeles, CA, 1992–Present
Attending Physician, Medicine Ward, LAC+USC Medical Center, Los Angeles, CA, 1992–Present
Attending Physician, Renal Ward, LAC+USC Medical Center, Los Angeles, CA, 1992–Present

Grand Rounds

Renal Grand Rounds
LAC-USC Medical Center
Vasculitis: Classification, Diagnosis and Treatment
2003

Renal Grand Rounds
LAC-USC Medical Center
Malignancy Induced Renal Failure
2004

Renal Grand Rounds
LAC-USC Medical Center
Importance of the Residual Renal Function in Dialysis Patients
06/11/2008

Renal Grand Rounds
LAC-USC Medical Center

Complications of Peritoneal Dialysis
2006

Renal Grand Rounds
LAC-USC Medical Center
Rapidly Progressive Glomerulonephritis (RPGN), vasculitides
Anti GBM GN; ANCA Associated vasculitides
2001

Renal Grand Rounds
LAC-USC Medical Center
Atheroembolic Renal Disease
2001

Renal Grand Rounds
LAC-USC Medical Center
Central Pontine and Extra-pontine Myelinolysis: The Osmotic Demyelination
Syndromes
1999

Renal Grand Rounds
LAC-USC Medical Center
Hyponatremia and Hypernatremia
1998

Old and New Treatments of Hyponatremia
Menorah Medical Center
Overland Park, KS 66209
November 5, 2007

Grand Round in Medicine
Atheroembolic Renal Disease
Masquerading vacuilitidies
May 2006

Grand Round in Medicine
Nephrotic Syndrome
September 2004

Grand Round in Medicine
Peritoneal Dialysis
June 2008

Euvolemic Hyponatremia and AVP Antagonism with Vaprisol
(Conivaptain Hydrochloride Injection)
Rapids Regional Medical Center
Alexandria, LA

December 5, 2006

CPM, Cell regulation of Volume in Hyponatremia
Harber-UCLA Medical Center
Torrance, CA
May 14, 2007

Diabetic Nephropathy; Prevention, Diagnosis, Treatment
Beverly Hospital
Montebello, CA
November 2006

Cardio-renal Issues in Hypertension
Marriot, Century city
Pfizer Inc. & Pratt Pharmaceuticals
Feb 15, 1995

Stages of CKD
Beverly Hospital
Montebello, CA
January 2007

Diabetic Nephropathy: Update
Hemet Hospital
Hemet, CA
November 2006

Young Investigator's meeting
Losartan Reduces Sympathetic nerve Outflow from the
Brain of Rats with Chronic Renal Failure
Merck Pharmaceutical
September 25-27 2000

COX 1 and COX 2 Inhibition and Their Effects on Renal Physiology (Various dates)

Rapidly Progressive Glomerulonephritis (RPGN)
Large, Medium and Small Vessel vasculitides /ANCA Associated vasculitides (various
Dates)

Diabetic nephropathy: Diagnosis, Prevention and Treatment
Beverly Hospital
Montebello, CA 90640
2007

HIV Nephropathy and Renal Failure:
Renal Considerations in HIV Treatment

12/19/2006

Glomerulonephritis Overview
Emphasis on Anti GBM and Membranous GN
Genzyme US Medical Affair
Alemtuzumab Regional Benefit: Risk Advisory Board
July 11, 2015

The Omics of Iron
USC School of Medicine

Fellow's Core Curriculum Lectures (1992-Present)

Rapidly Progressive Glomerulonephritis (RPGN)
Large, Medium and Small Vessel vasculitides /ANCA Associated vasculitides (various Dates)

Chronic Kidney Disease
Acute Kidney Injury
Sodium and Water Metabolism
Systemic Vasculitis

D. Society Memberships:

Professional

American College of Physicians, 1992
American Medical Association, 1992
American Society of Nephrology, 1992
American Society of Transplant Physicians, 1992
National Kidney Foundation, 1992
Renal Physician Association, 1992

E. Services:

University/Other Committees

Division Representative, Peer Review Committee, LAC+USC Medical Center, Los Angeles, CA, 1992–Present
Division Representative, Quality Assessment and Value Improvement, LAC+USC Medical Center, Los Angeles, CA, 1992–2006
Division Representative, Specialty Clinic Restructuring Committee, LAC+USC Medical Center, Los Angeles, CA, 2004–2006
House Staff Selection Committee, LAC+USC Medical Center, Los Angeles, CA, 1992–Present
Year II Committee on Student Performance, Keck School of Medicine, Los Angeles, CA, 1992–1994
Year II Curriculum Committee, Keck School of Medicine, Los Angeles, CA,

1992–1994

Member, County Operations Committee, 1997-1999
P&T Committee LAC/USC Medical Center, Norris Comprehensive Cancer
Center, 2003–2004
Distant Learning Curriculum Committee, University of Southern California
Main
Campus, 2003–2004
Medical Advisory Board, People Assisting The Homeless (PATH), 1999-2003
Scientific Advisory Board, University Kidney Disease Research Association,
2002–
Present
Medical Consultant, Fabry’s Disease, 2002-Present

Editorial Activities

Reviewer

American Journal of Nephrology (1992-
1999) McMaster Online Rating of Evidence
(MORE) Internal Medicine & Nephrology
(2005-2009)

Journal Reviews

American Journal of Nephrology
McMaster Online Rating of Evidence
(MORE) Internal Medicine & Nephrology
Reviewer 2008-2009
Journal of Bone and Mineral Research (JBMR)
JBMR Editorial Manager

International Conference on Biomedical Engineering and Biotechnology
ICBEB
Reviewer
2014-present

Editorial Board

Austin Journal of Nephrology and Hypertension
Austin Publishing Group
Editorial Board Member
2014-present

SM Journal of Nephrology and Therapeutics
Editorial Board
SM Online Publishers
300 E Royal LN, Suite 127
Irving, TX 75039, USA

Remedy Open Access HJournal
Remedy Publications LLC,

820 EL Camino Real,
Belmont, CA 94002, USA.

The Scientific Pages Renal Cancer

Editorial Board
1805 N Carson Street
Suite S, Carson City
Nevada 89701, USA

Journal of Nephrology & Renal Therapy

Editorial Board
Herald Scholarly Open Access
2561 Cornelia Rd,
Herndon, VA 20171, USA.

Journal of Renal Medicine

Editorial Board
The Medical Insight Journal
renalmedicine@medicineinsights.com

Journal of Advances in Kidney Disease

Editorial Board
iMedPub LLC

SciFed Journal of Astrophysics

Editorial Board
Scientific Federation
E: editorial.sfjap@scifed.com
Website: <http://scifed.com/journal-of-astrophysics/>

Clinical Research: Open Access

Editorial Board
Sci Forschen Inc.

Science Alert

Editorial Board

American Research Journal of Public Health

Editorial Board
American Research Journals, Inc.
8770 West Bryn Mawr Ave, Suite 1300
Chicago, IL - 60631-3515.
www.arjonline.org

Safety Monitoring Board

Data Safety Monitoring Board (DSMB)
Linezolid vs. Vancomycin/Cefazolin in the treatment of patients with

hemodialysis catheter-related Gram-Positive Bloodstream Infections Pfizer
Protocol # A5951105 (2005-2007)

Medical and Advisory Board Memberships

National Kidney Foundation
Scientific Advisory Board

Member of Medical Advisory Board
People Assisting The Homeless (PATH)
1999-2003

Member of Scientific Advisory Board
University Kidney Disease Research Association
2002-present

Fabry's Disease Medical Consultant
2002-present

Member of Scientific Advisory Board Archinoetics LLC
iHAT - intelligent Human Assistive Technology
2005-2007

Expert Reviewer

Medical Board of California
Expert Reviewer Program
(2010-Present)

Medical Advisory Meetings

Treating Secondary Hyperparathyroidism Safety in Early Chronic Kidney
Disease: Achieve PTH Goal without Sacrificing the Calcium and Phosphorus
July 15, 2005
Santa Monica CA
Abbot Laboratories

Cardiovascular Consultant Conference
Oct 25-27 1996
Dana Point, CA
Astra-Merck

Regional Advisory Meeting (Abbot Advisory)
July 15, 2006
Los Angeles, CA
Abbott

Cardio-renal Issues in Hypertension

Feb 15, 1995
Marriot, Century city
Pfizer Inc. & Pratt Pharmaceuticals

Scientific and Clinical Update in Peritoneal
Dialysis- Scientific Advisory Board
April 19-20 2007
Chicago, Illinois
Abbott

Prolia Commercial PCP Advisory Board
December 9-10 2011
Los Angeles, CA

Medical Scientific Advisory Board (Presenter)
Genzyme US Medical Affair
Alemtuzumab Regional Benefit: Risk Advisory Board
July 10-12, 2015
Los Angeles, CA

Medical Scientific Advisory Board (Presenter)
Sanofi
Alemtuzumab; Relapsing and Remitting MS
April 7-9, 2016
San Francisco, CA

Medical Scientific Advisory Board (Consultant)
Sanofi
Alemtuzumab: RRMS treatment and Autoimmune conditions
October 28-29, 2016
St Louis, MO

Consultant

Pfizer Pharmaceutical Co.
Merck Pharmaceutical Co.
Ortho Biotech Co.
Shire Pharmaceutical Co.
Abbott Pharmaceutical Co.
Quintiles

Quality Assurance and peer review member for
State Of California, Medicare program
Lumetra

Quality Improvement Organization for California

Medicare Beneficiary Protection Quality Improvement Organization Support Center
Nephrology and Internal Medicine
2004-present

American Medical Forensic Specialists
Consultant regarding Nephrology related litigations
Consultant as Expert Witness

CME Peer Review, LLC
CME Content Reviewer for Nephrology (2008-Present)
CME Content Reviewer for Internal Medicine (2008-Present)

F. Research Activities:

1. Concomitant use of cis-platinum infusion and radiation for treatment of advanced head and neck cancer, SUNY, Department of Medicine, Division of Oncology, Downstate Medical Center, Principal Investigator, 1984
2. Action of Bushman toxin, Diamphotoxin, on skeletal and cardiac muscle in cats, SUNY, Department of Pharmacology, Downstate Medical Center, Principal Investigator, 1985
3. Use of calcium channel blockers to overcome pleiotropic drug resistance in cancer therapy, SUNY, Department of Medicine, Division Of Oncology, Downstate Medical Center, Principal Investigator, 1985
4. Investigation of molecular basis of renal transplant rejection using quantitative Polymerase Chain Reaction (PCR), Beth Israel Hospital, Harvard Medical School, Department of Medicine, Division of Immunology, Co-Investigator, 1990–1992

Research in Progress

1. Quantitative analysis of PTH – PTHrP Receptor message in different cells using Polymerase Chan Reaction (PCR).
2. To elucidate the underlying molecular and biochemical derangements in renal vein thrombosis in patients with membranous glomerulonephritis. (In Process of Approval)
3. Prospective study in Prevention of Contrast Induced Nephropathy in High Risk patients Undergoing Coronary Angiography. (In Process)
4. Epo Study (APP-06-10340)
5. Trial to Reduce Cardiovascular Events with Aranesp Therapy (TREAT Study) Amgen (in process)
6. FEATURE Study: Efficacy of Fosrenol in ESRD Patients
7. EVOLVE: Evaluation of Cinacalcet Therapy to Lower Cardiovascular Events (In Progress)
8. Shire Fosrenol Protocol SDP405-404: A Phase IV, Long Term, Observational

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- Safety Study in End Stage Renal Disease Subject Treated with Lanthanum Carbonate (Fosrenal →)
9. SPP301CRD15: A Randomized, Double Blind, Placebo Controlled, Parallel group Study to Assess the Effect of the Endothelin Receptor Antagonist Avosentan on Time to Doubling of Serum Creatinine, ESRD or Death in Patients with Type 2 Diabetes Mellitus and Diabetic Nephropathy (in process)
 10. EPO-AKD-3001: A Randomized, Open-Label, Multicenter Study of Epoetin Alfa Comparing Two Extended-Dosing Regimens, Once-Weekly and Every-Two-Weeks, With the Three-Times-Weekly Dosing Regimen for Initiation and Maintenance Treatment in Anemic Subjects With Chronic Kidney Disease.
 11. Sanofi Aventis / Kendle Study #013904: A 64 Week, Multicenter, Randomized, Parallel, Open Label Clinical Study Involving Adult Subjects With Type 2 Diabetes Failing Dual or Triple oral Agents.(In Process)
 12. `A Phase IIIB, Randomized, Double-Blind, Parallel Group, Multi-Center Study to Assess the Efficacy and Safety of Multiple 30 Minute Infusions of Conivaptan in Subjects with Euvolemic or Hypervolemic Hyponatremia. (In Process) PPD
 13. Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Oral Lixivaptan Capsules in Subjects with Euvolemic Hyponatremia.(In Process) Parexel Int.
 14. Amgen Protocol 20050182: A Randomized, Double-Blind, Placebo Controlled Study With Sensipar / Mimpara to Assess its Effects on Mortality and cardiovascular Morbidity in Patients With Chronic Kidney Disease (CKD) Undergoing Maintenance Dialysis.(In process)
 15. Keryx Biopharmaceuticals Inc. #KRX-101-301: The Collaborative Study Group Trial: The Effect of Sulodexide in Patients With Type 2 Diabetes and Microalbuminuria. (In Process)
 16. Trial to Reduce Cardiovascular Events with Aranesp Therapy: TREAT
 17. The Effect of Sulodexide in Overt Type 2 Diabetic Nephropathy KRX-101-401

 18. A Long-Term, Open-Label, Safety Extension Study of the Combination of Fenofibric Acid and Statin Therapy for Subjects with Mixed Dyslipidemia
 19. A Multicenter, Randomized, Double-Blind, Prospective Study Comparing the Safety and Efficacy of Fenofibric Acid and Simvastatin Combination Therapy to Fenofibric Acid and Simvastatin Monotherapy in Subjects with Mixed Dyslipidemia
 20. EPIC - (Effect of PhosLo on Phosphorus Levels in Chronic Kidney Disease): A Prospective, Multicenter, Randomized, Double-Blinded Placebo-Controlled, Parallel Arm, Study of Calcium Acetate (PhosLo) on Phosphorus Levels in Subjects with Chronic Kidney Disease
 21. OPPORTUNITY: Outcome Trial Evaluating the Efficacy and Safety of Norditropin → in Adult Patients on Chronic Hemodialysis
 22. Maintenance Treatment of Anemia in Hemodialysis Patients Previously Treated with Epoetin Alpha
 23. EPO-AKD-3002: A Randomized, Open-label, Multicenter Study of Epoetin Alfa Comparing Two Extended-Dosing Regimen for Initiation and Maintenance Treatment in Anemic Subjects With Chronic Kidney Disease
 24. Physiological Iron Maintenance in ESRD Subjects by Delivery of Soluble Ferric Pyrophosphate (SFP) via Hemodialysis.
 25. Multicenter, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate The Efficacy And Safety Of Oral Lixivaptan Capsules In Subjects With Euvolemic Hyponatremia.

26. TEMPO: Tolvaptan Efficacy and Safety in Management of Polycystic Kidney Disease and its Outcomes.(in Progress)
27. Protocol 20080176:Double-blind, Randomized, Phase III, Event Driven Study in CKD Patients Receiving Hemodialysis with Evidence of Poor Response to Epoetin Alfa.(In Process)

G. Invited Lectures:

Teleconference

GlaxoSmithKline
Renal Considerations When Treating Patients with HIV
12/15/2006

GlaxoSmithKline
HIV Nephropathy and Renal Failure: Renal Considerations in HIV treatment
12/19/2006

H. Bibliography:

Peer Reviewed

1. **Nosrati S.M.**, Khawaja S, El-Shahawy M, Massry SG: Effect of angiotensin converting enzyme inhibition by perindopril on proteinuria of primary renal diseases. *Am J Nephrology* 17:511-517, 1997.
2. Ye S, **Nosrati S.M.**, Campese VM: Nitric oxide modulates the neurogenic control of blood pressure in rats with chronic renal failure. *J Clin Invest* 99:540-548, 1997.
3. Campese VM, **Nosrati S.M.**: Diagnosis and evaluation of secondary hypertension. *Clinical Cornerstone Hypertension* 2:27-40, 1999.
4. Madkour H, Ali K, **Nosrati S. M.**, Massry SG: Efficacious response with low-dose indapamide therapy in the treatment of Type II diabetic patients with normal renal function or moderate renal insufficiency and moderate hypertension. *Am J Nephrol* 22:2-5, 2002.
5. Bemanian S, Motallebi M, **Nosrati S.M.**: Cocaine-induced renal infarction: report of a case and review of the literature. *BMC Nephrol* 6:10, 2005.
6. Hatim Husain, Ajaz Bulbul, Abid Rizvi, Dan Douer, **Nosrati S.M.** :Membranous Glomerulonephritis as a paraneoplastic Marker of Myelodysplastic Syndrome. (Abstract Presentation Acp 2008)
7. Mordechai S. Nosrati MD, ACP Journal Club. Review: Steroid avoidance or withdrawal does not increase mortality or graft loss in kidney transplant patients (September 2009, Annals of internal medicine)

Peer Reviewed in Preparation

1. **Nosrati SM:** Positional renal transplant obstruction: 3 case reports and review of the literature. In process.
2. **Wound Healing in Uremic Patients (in process)**

3. Reza Vaghefi-Hosseini, M.D., James D. Cook, M.D., **Saeid Mordechai Nosrati**, M.D., Ajay Gupta, M.D. Anemia in Long Term Parenteral Nutrition (In Process)

Books

Mordechai Saeid Nosrati MD: The Diet of L.O.V.E. (iUniverse Publishing) USA.
(Published April 2016)

Mordechai Saeid Nosrati MD: The Book of Genesis in Language of Science (Tate Publishing) USA.(in Progress)

Mordechai Saeid Nosrati MD: Defeating Your Pain Holistically (Tate Publishing) (in Progress)

Lectures:

Topic of Lectures in Medical and Renal Grand Rounds, Core Curriculum, lectures for medical students, interns, residents and fellows and faculty at LAC-USC Medical Center and Community Hospitals 1992-2016

- i. Lupus Nephritis; Treatment and Complications
- ii. Diabetic Nephropathy
- iii. HIV Nephropathy
- iv. NSAID Nephropathy
- v. Renal Artery Stenosis
- vi. COX 2 Inhibitors and Renal Issues
- vii. Diagnosis and Treatment of Rhabdomyolysis
- viii. Diagnosis and Treatment of Hyponatremia
- ix. Proteinuria
- x. Nephrotic Syndrome
- xi. Central and Extra-Pontine Myelinolysis
- xii. Iron Metabolism (Iron: Friend or Foe)
- xiii. CRRT (CVVHD, SCUF, etc.)
- xiv. Use of P.E.T. Test in PD Dosing
- xv. Membrane Failure
- xvi. Renal Consideration When Treating Patients With HIV Disease
- xvii. Euvolemic Hyponatremia and AVP Antagonism with Vaprisol
- xviii. Hypervolemic Hyponatremia and AVP Antagonism with Conivaptan HCl
- xix. PD Controversies
- xx. Adequacy in PD
- xxi. Iron: Friend or Foe
- xxii. Parenteral Nutrition in Critically Ill Patients
- xxiii. The Importance of Residual Renal Function and its preservation
- xxiv. Anti GBM / RPGN
- xxv. The Omics of Iron; iron Regulation and Metabolism
- xxvi. The Importance of the Residual Renal Function
- xxvii. CKD: Overview of Evaluation, Diagnosis, and Treatment

Grants in Progress:

Isolating Serum Markers that Identify Patients with Nephrotic Syndrome (NS) Who Are at Higher Risk for Thrombotic / Thromboembolic Events. .(A Prospective Controlled Study)

Prevention of Contrast Induce Nephropathy Using a Combination of Volume Expansion and Alkalization of Urine with Bicarbonate plus High Dose IV Acetylcysteine. .(A Randomized Prospective Placebo Controlled Study)

To Evaluate the Effect of Daily Oral Administration of Atorvastatin on:

1. The Development of Blood Pressure and on NE Secretion From the Posterior Hypothalamic Nuclei (Chronic Studies),
2. To Evaluate the Effect of an Intra-cerebral Infusion of Atorvastatin on the Development of Hypertension and on NE Secretion from the PH, Immediately after the Renal Injury (Acute Studies),

Using New Model of Neurogenic HTN-The Phenol-Renal Injury Model Developed By Dr. Campese In our Laboratories) (Grant American Heart Association-1999 (\$49,991.00)

To Investigate the Efferent Renal Nerve Activity in the Development of Hepato-Renal Syndrome (HRS) in Rats Using Dorsal Rhizotomy Method.(Grant 1999 Protocol 9786)

To Evaluate the Efficacy of Losartan, an Angiotensin II Receptor Inhibitor, in Reducing Proteinuria in Patients with Nephrotic Syndrome and Underlying Renal Disease. [Effects of Losartan On Proteinuria in Patients with Primary Glomerular Disease](Co Investigator Dr. Madkour, 1996 \$14,999.00 not completed))

Prevention of Wound Dehiscence in High Risk Patients with ESRD /AKI after Cardiothoracic Surgery by Intensive 5 days of Consecutive Hemodialysis/CRRT.(A Randomized Prospective Controlled Study)

Prospective Longitudinal Clinical and Genetic Study of Subjects Diagnosed with T2DM to Elucidate Serum Markers Identifying High Risk Patients For Developing Diabetic Nephropathy. (A Prospective Longitudinal Study)

PROTECT I Study: Use of Super-Pharmacological Doses of Erythropoietin Alpha in Prevention of Morbidity and Mortality in Patients with Acute Coronary Syndrome. (A Randomized Prospective Placebo Controlled Study)

PROTECT II Study: Use of Super-Pharmacological Doses of Erythropoietin Alpha in Prevention of Morbidity and Mortality in Patients with Acute Stroke. (A randomized

Study)

Safety and efficiency of EasyDial Portable Home Hemodialysis Machine in Uremic Pigs

NASA CO2 Conversion Challenge 2018 (Introduction of microfluidic eLeaf and ePlant to provide ability to utilize the high level of CO2 in Mars Atmosphere to generate food/microalga)

Feed the Next Billion Challenge / Oases for Humanity (Turning deserts into agricultural lands) Introduction of a Comprehensive, integrated and Modular Self-Sustaining structures for increasing crop yield using only natural resources. (2018)

T1D Exchange Diabetes Innovations Challenge / Bioartificial Pancreas (Top 10 Finalist)

KidneyX Redesign Dialysis Challenge / Introduction of the M3D3- a Microfluidic Wearable Dialysis Device (Top 20 Finalist)