CURRICULUM VITAE
MARWAN OMAR KASKAS, M.D., FASN, FACP, CPI

Professional Address

Northwest Louisiana Nephrology L.L.C.
1800 Buckner Street, Suite C120, Shreveport LA 71101
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2501 Greenwood Road, Shreveport LA 71103
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Citizenship United States

Education

June 1979-December 1979	St. Edward's University Austin, TX
August 1979-May 1980	Austin Community College Austin, TX
June 1980-June 1982	University of Texas at Austin Degree—B.A. in Biology
August 1982-December 1982	CIFAS Medical School Santo Domingo, Dominican Republic
January 1983-September 1985	UTESA Medical School, Santo Domingo, Dominican Republic Degree- M.D.

Post-Graduate Training

July 1986-June 1987	Transitional Internship Frankford Hospital, Philadelphia, PA
July 1987-June 1990	Internal Medicine Residency Presbyterian University, Pennsylvania
July 1990-July 1992	Nephrology Fellowship Mount Sinai Medical Center, New York, New York
July 1992-Present	Private Practice Northwest Louisiana Nephrology L.L.C Shreveport LA

Examinations and Licensure

Jul-85	FMGMS
	ECFMG License
Jun-86	FLEX
Apr-88	Pennsylvania Medical License
Apr-90	New York Medical License
Mar-92	Louisiana Medical License

Certifications

1990 - 2021	American Board of Internal Medicine
1991- 2022	American Board of Internal Medicine
	Nephrology- Subspecialty -Board
March 2003	Good Clinical Practices
	LBR Regulatory and Clinical, Consulting Services
April 1, 2005	Fellow, American Society of Nephrology
December 2009-2010	Key Investigator Responsibilities LSUHSC-S Clinical Trials Department
March 2010 - 2018	Certified Physician Investigator
2008 - Current	CITI
March 2013	Fellow of American College of Physicians

Re-Certifications

2012	Certified Physician Investigator
2014	Certified Physician Investigator
Dec 2015- 2017	National Board of Physicians and Surgeons

1992-Present	Clinical Instructor, Department of Medicine LSU Health Sciences Center, Shreveport, LA

Awards	Dean's Honor Lists
	BA with Honors
	MD with All Honors

Memberships	Alpha Epsilon Delta
	Shreveport Medical Society
	Louisiana State Medical Society
	Arab American Medical Society
	International Society of
	Nephrology
	American College of Physicians
	American Society of Nephrology Academy of Clinical research Professionals

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Miscellaneous Fluent in English, Spanish, French and Arabic

Professional Positions

July 1992-Present Northwest Louisiana Nephrology, LLC, Shreveport LA

July 1992-Present **Active Associate**
Willis-Knighton Health System, Shreveport/Bossier City, LA
Christus Schumpert Highland, Shreveport, LA

July 1992-Present **Consultant**
Lifecare Hospitals, Shreveport, LA
Promise Rehab Hospital, Bossier City, LA

July 1992- Present *Director - Fresenius Medical Centers North America*

Fresenius Kidney Care Northwest Louisiana Shreveport Dialysis, 1130 Kings HWY Shreveport, LA 71104 **(Facility # 1378**)

Fresenius Kidney Care North Shreveport Dialysis, 990 Aero Drive Shreveport LA 71107 **(Facility # 1486**)
Fresenius Kidney Care South Shreveport Dialysis, 410 Ashley Ridge Blvd, Shreveport LA 71106 **(Facility # 2206)**
Fresenius Kidney Care Southwest Shreveport Dialysis, 9076 Kingston Road, Shreveport LA 71118 **(Facility # 1915)**
Fresenius Kidney Care West Shreveport Dialysis, 4338 Pines road, Shreveport, LA, 71119 **(Facility # 2758)**
Fresenius Kidney Care Pierremont Dialysis, 2240 E. Bert Kouns Industrial Loop, Shreveport, LA 71105 **(Facility #4167)**
Fresenius Kidney Care Pierremont Home Therapies Dialysis, 2240 E. Bert Kouns Industrial Loop, Shreveport, LA 71105 **(Facility # 4167)**
Fresenius Kidney Care Bossier Regional Dialysis, 2907 Plantation Drive Bossier City, LA 71111 **(Facility # 1382)**
Fresenius Kidney Care North Bossier Dialysis Center, 4251 Viking Drive, Bossier City, LA 71111 **(Facility # 8832)**
Fresenius Kidney Care Minden Dialysis, 610 Fleming Lane, Minden, LA 71055 **(Facility # 1400)**
Fresenius Kidney Care East Minden Dialysis, 10000 Industrial Dr., Minden, LA 71055 **(Facility #2203)**
Fresenius Kidney Care Homer Dialysis Center , 3680 Highway 79, Homer, LA 7104 **(Facility # 3281)**
Fresenius Kidney Care Natchitoches Dialysis, 700 Keyser Ave, Natchitoches, La 71457 **(Facility #1378)**
Fresenius Kidney Care East Natchitoches Dialysis, 111 Masonic Dr., Natchitoches, LA 71458 **(Facility #1930)**
Fresenius Kidney Care Desoto Dialysis, 1410 McArthur Drive, Mansfield, LA 71052 **(Facility # 1883)**
Fresenius Kidney Care Coushatta Dialysis, 501 Wilkinson St, Coushatta **(Facility # 2675)**
Fresenius Kidney Care Many Dialysis, 100 Devera Drive, Many, LA 71449 **(Facility # 4238)**

Willis Knighton Dialysis, 111 Line, Shreveport, LA 71108 (Private)

Skills Central lines, Swan Ganz,

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Paracentesis, arterial lines,
Chest tubes, thoracentesis,
Lumbar puncture, Renal biopsy,
Acute & chronic hemodialysis,
CAVH/CAVHD, CAPD, CCPD,
IPD, peritoneal catheter Placement

Publications

Ubari J, Kaskas M: "Hereditary Nephrogenic Diabetes Insipidus". Nephron 65 346-349, 1993

Bahar Bastani, Marwan O. Kaskas: "The Infusion of Sodium Ferric Gluconate Complex in Sucrose": Su-po242, JASN Oct. 2004

David J. Leehey, Marwan O. Kaskas: "Sodium Ferric Gluconate in the Treatment of Chronic Kidney Disease": F–po. 966 JASN Nov. 2005

Rajiv Agarwal, Adel R. Rizkala, Bahar Bastani, Marwan O. Kaskas: " A Randomized Controlled Trial of Oral versus Intravenous Iron in Chronic Kidney Disease.": AMJ. Nephrology 2006, Oct 11.26(5): 445-545

R. Agarwal, A.R. Rizkala, M.O. Kaskas: " Iron Sucrose causes greater Proteinuria than Ferric Gluconate in Non Dialysis Chronic Kidney Disease."

Marcello Persico, Robert Flisiak, Manal Abunimeh, Meghan Sise, Jun Yong Park, Marwan Kaskas, Annette Bruchfeld, Marcus-Alexander WÖrns, Andrea Aglitti, Philippe J Zamor, Zhenyi Xue, Janean Rullman, Ariel Porcalla, Eric Cohen, Roger Trinh, Eric Lawwitz, " Efficacy and Safety of Glecaprevir/Pibrentasir in Renally-Impaired Patients With Chronic HCV Genotype 1-6 Infection.

Pharmaceutical Speaker 2002 to Current

Pfizer
Bristol Meyers Squibb
Sanofi Synthelab
Norvatis
Amgen
Abbot
AMAG
Takeda
Otsuka

STUDIES CONDUCTED AT NORTH WEST LOUISIANA NEPHROLOGY RESEARCH

Oct 2018 - Current	A Phase 2 Multicenter, Open Label, Randomized Study of Two Titration Regimens of Oral CXA-10 in Subjects with Primary Focal Segmental Glomerulosclerosis (FSGS). Protocol CXA-10-2014, Complexa Inc.
Aug 2018 - Current	A Phase 2 Study to Evaluate the Safety and Biologic Activity of APL-2 in Patients With IgA Nephropathy, Lupus Nephritis, Primary Membranous Nephropathy, or C3 Glomerulopathy (C3 Glomerulonephritis and Dense Deposit Disease). **Protocol No: APL2-201,** Apellis Pharmaceuticals
Aug 2018 – Current	An Open Label, Intra-Subject Dose Escalation Study of CCX140-B in Subjects with Primary Focal Segmental Glomerulosclerosis (FSGS) and Nephrotic Syndrome. **Protocol Number: CL012_140**, ChemoCentryx
Aug 2018 – Current	A Phase 1b Partially-Blinded (sponsor unblind), Placebo-Controlled, Parallel Arm Study to Assess the Safety, Tolerability, and Pharmacokinetics of RVT-1501 (imeglimin) in Subjects with Type 2 Diabetes Mellitus and Moderate to Severe Chronic Kidney Disease. **Protocol RVT-1501-1002,** Metavant Sciences GmbH
Apr 2018 – Current	A Randomized, Double-Blind, Placebo-Controlled Dose-Ranging Study to Evaluate the Safety and Efficacy of CCX140-B in Subjects with Focal Segmental Glomerulosclerosis (FSGS) **Protocol Number: CL011_140,** ChemoCentryx
Mar 2018 – Current	Randomised, double-blind, placebo-controlled trial to investigate the safety, tolerability, pharmacokinetics and pharmacodynamics of 4 multiple rising oral doses of BI 685509 over 28 days in male and female patients with diabetic nephropathy. **Protocol 1366-0004**, Boehringer Ingelheim
Jan 2018 – Current	A 26-Week, Phase 3, Open Label Study with a 12-Week, Placebo-Controlled, Randomized Withdrawal Period Followed by an Open Label Long Term Safety Open Label Long Term Safety and Efficacy of Tenapanor to Treat Hyperphosphatemia in End-Stage Renal Disease Patients on Renal Disease Patients on Dialysis. **Protocol Number: TEN-02-301,** Ardelyx, Inc.
Dec 2017 – Current	A Phase 2 trial of the safety and efficacy of Bardoxolone Methyl in patients with rare chronic kidney diseases**. 402-C-1702**. REATA Pharmaceuticals
Aug 2017 – Current	A Phase 4, Randomized, Double-Blind, Multicenter, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Lesinurad 200 mg in Combination With a Xanthine Oxidase Inhibitor (XOI), Compared With an XOI Alone, in Subjects With Gout and Estimated Creatinine Clearance 30 to <60 mL/min Who Have not Achieved Target Serum Uric Acid Levels on an XOI Alone. **RDEA594-401,** Ironwood Pharmaceuticals
Feb 2017 – Current	A phase 3, prospective, multicenter, double-blind, randomized, active control study to demonstrate the safety and effectiveness of Neutrolin® in preventing catheter-related bloodstream infections in subjects receiving hemodialysis therapy as treatment for end stage renal disease, **LOCK-IT-100**, CorMedix
Jun 2017 – Current	RENal hemodialysis patients ALlocated apixaban versus warfarinin Atrial Fibrillation (RENAL -AF) Randomized Clinical Trial**, CV185-450**, RENAL –AF, Phase 4
Mar 2017 – Current	A double-blind, randomised, placebo-controlled study to assess the effect of SNF472 on progression of cardiovascular calcification on top of standard of care in end-stage-renal-disease (ESRD) patients on haemodialysis (HD), **SNFCT2015-05**, Sanifit, Phase 2b
Nov 2016 – Current	Phase 3, randomized, open-label, active-controlled study evaluating the efficacy and safety of oral vadadustat for the maintenance treatment of anemia in subjects with dialysis-dependent chronic kidney disease (DD-CKD) (INNO2VATE-CONVERSION) **AKB-6548-CI-0017**, Akebia, Phase 3

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Dec 2015 - Current	Phase3, Randomized, Open-Label, Active-Controlled Study Evaluating the Efficacy and Safety of Oral Vadadustat for the Correction Treatment of Anemia in Subjects with Non-Dialysis-Dependent Chronic Kidney Disease NDD-CKD), **Protocol : AKB-6548-CI-0014**, Akebia
Dec 2015 - Current	Phase3, Randomized, Open-Label, Active-Controlled Study Evaluating the Efficacy and Safety of Oral Vadadustat for the Maintenance Treatment of Anemia in Subjects with Non-Dialysis-Dependent Chronic Kidney Disease NDD-CKD), **Protocol : AKB-6548-CI-0015**, Akebia
Nov 2015 - Current	A randomized, double-blind, placebo-controlled, parallel-group, multicenter, event- driven Phase III study to investigate the efficacy and safety of finerenone, in addition to standard of care, on the progression of kidney disease in subjects with type 2 diabetes mellitus and the clinical diagnosis of diabetic kidney disease, **Protocol BAY94-8862 (finerenone)/16244 FIDELIO-DKD,** Bayer HealthCare
Apr 2015 - Current	A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Roxadustat for the Treatment of Anemia in Chronic Kidney Disease Patients not on Dialysis, **Protocol D5740C00001,** AstraZeneca
Feb 2015- Current	A Phase 3, Open-Label, Randomized , Open-Label, Active-Controlled Study of the Efficacy and Safety of Roxadustat (FG-4592) in the Treatment of Anemia in Incident Dialysis Patients **Protocol FCGL-4592-63 Himalayas,** FibroGen
Feb 2015- Current	A Phase 3, Open-Label, Randomized , Active-Controlled Study of the Efficacy and Safety of Roxadustat (FG-4592) in the Maintenance Treatment of Anemia in Subjects with Endstage Renal Disease (ESRD) on Stable Dialysis, **Protocol FGCL-4592-064 Sierras,** FibroGen
Feb 2015- Jan 2019	A Phase 3, Randomized, Double-Blind, Placebo Controlled Study of the Efficacy and Safety of Roxadustat(Fg-4592) for the Treatment of Anemia in Chronic Kidney Disease Patients not on Dialysis, **Protocol FGCL-4592-060 Andes**, FibroGen
Jun 2017 – Nov 2018	An open-label, multicentre, extension trial to assess the safety of redosing of intravenous iron isomaltoside (Monofer®), **P-Monofer-IDA/CKD-EXT-01**, Phase 3
Mar 2017 – Oct 2018	A multicenter, open-label study to evaluate the efficacy and safety of glecaprevir/pibrentasvir in renally-impaired adults with chronic hepatitis c virus genotype 1-6 infection (expedition-5), **M16-127**, AbbVie, Phase 3b
Nov 2015 – Jul 2018	A randomized, double-blind, placebo-controlled, parallel-group, multicenter, event- driven Phase III study to investigate the efficacy and safety of finerenone, on the reduction of cardiovascular morbidity and mortality in subjects with type 2 diabetes mellitus and the clinical diagnosis of diabetic kidney disease in addition to standard of care, **Protocol BAY94-8862 (finerenone)/17530 FIGARO-DKD**, Bayer HealthCare
Mar 2016 – Feb 2017	An 8 week, Multicenter, Randomized, Double blind, Parallel Group Study with a 4- week, Placebo-Controlled, Randomized Withdrawal Period to Evaluate the Efficacy, Safety and Tolerability of Tenapanor to Treat Hyperphosphatemia in End-Stage Renal Disease Patients on Hemodialysis (ERSD-HD), **Protocol TEN -02-201,** Ardelyx, Inc.
Feb 2017 – Nov 2018	A phase 3, Randomized. Placebo Controlled, Prospective, Multicenter Study with Oral Ferric Maltol for the Treatment of Iron Deficiency Anemia in Subjects with Chronic Kidney Disease **ST10-01-303 AEGIS CKD**, Shield Therapeutic LTD
Jan 2017- Nov 2018	A phase 3, randomised, open-label, comparative safety and efficacy trial of intravenous iron isomaltoside (Monofer®) and iron sucrose in subjects with iron deficiency anaemia and non-dialysis-dependent chronic kidney disease, **P-Monofer-CKD-04**, Pharmacosmos
Jan 2017 – Nov 2017	Treatment of Proteinuria Due to Treatment Resistant or Treatment Intolerant Idiopathic Focal Segmental Glomerulosclerosis: A 2 Part Prospective Study of H.P. Acthar® Gel (PODOCYTE) **MNK14224049**, Mallinckrodt
Dec 2016 – Oct 2018	A Randomized, Double-Blind, Placebo- Controlled, Phase 3 Study to Evaluate the Safety and Efficacy of CCX168 (Avacopan) in Patients with Anti-Neutrophil Cytoplasmic Antibody (ANCA)- Associated Vasculitis Treated Concomitantly with Rituximab or Cyclophosphamide/Azathioprine, **CL010_168**, ChemoCentryx

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May 2016- Jun 2016	Wearable Cardioverter Defibrillator in Hemodialysis Patients (WED-HED) Study **Protocol 90D0126,** ZOLL
Jan 2016- Jun 2016	A 29-day, randomized, double-blinded, placebo-controlled, parallel-group, multicenter study to evaluate the efficacy, safety and pharmacokinetics of three-time weekly dosing of GSK1278863 in hemodialysis-dependent subjects with anemia associated with chronic kidney disease who are switched from a stable dose of an erythropoiesis-stimulating agent **Protocol 204836,** GSK
Jan 2015 - 2016	A Randomized, Double-Blind, Placebo-Controlled, Dose Assessment Phase 2 Study to Evaluate the Safety and Efficacy of CCX168 in Subjects with Anti-Neutrophil Cytoplasmic Antibody (ANCA)-Associated Vasculitis, **Protocol CL003_168**, ChemoCentryx
Sep 2015 – Feb 2015	A Multiple-Dose, Dose-Escalation Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of LY3113593 in Patients Receiving Hemodialysis, **Protocol 17C-MC-FEAC(a),** Eli Lilly and Company
Apr 2014- Mar 2015	A Multicentre, Double-Blind, Placebo-Controlled, Randomised Study to Evaluate the Efficacy and Safety of PT20 in Subjects with Hyperphosphataemia and Dialysis-Dependent Chronic Kidney Disease, **Protocol PT20-120**, Phosphate Therapeutics
Jun 2014 – Nov 2016	A Phase 2 Double-Blind, Placebo-Controlled, Dose-Ranging Study Evaluating the Efficacy, , Safety, and tolerability of GS-4997 in Subjects with Diabetic Kidney Disease, **Protocol GS-US-223-1015**, Gilead Sciences, Inc.
Aug 2014- Mar 2017	A Phase 3 Multicenter, Multi-dose, Open-label Maintenance Study to Investigate the Long-term Safety and Efficacy of ZS (Microporous, Fractionated, Protonated Zirconium Silicate), an Oral Sorbent, in Subjects With Hyperkalemia, including a Randomized, Double-blind, Placebo-controlled, Withdrawal Study IND 108951, **Protocol ZS005**, ZS Pharma
Jun2014- Oct 2015	A 24 Week, Phase 2B, randomized, active controlled parallel group, multi-center study to evaluate the safety and efficacy of GSK 127886 in Subjects with Anemia associated with Chronic Kidney Disease who are not on dialysis, **Protocol PHI113747**,GlaxoSmithKline
Dec 2013- Aug 2015	A Long -term Safety and Efficacy Study of CTAP101 Capsules in Subjects with Stages 3 or 4 Chronic Kidney Disease, Secondary Hyperparathyroidism and Vitamin D Insufficiency (Extension of Study CTAP101-CL-3001 or CTAP101-CL-3002), **Protocol CTAP101-CL-3003**, OPKO Health, Inc.
Mar 2014- Oct 2015	An open Label Extension to Study ZS-004, a Phase 3 Multicenter, Multi-phase, Multi Dose, Prospective, Randomized, Double-blind, Placebo-controlled Maintenance Study to Investigate the Safety and Efficacy of ZS (Microporous, Fractionated, Protonated Zirconium Silicate), an Oral Sorbent, in Subjects with Hyperkalemia, **Protocol ZS-004E**, ZS Pharma
Jan 2014- Oct 2015	A Multicenter Single-arm Extension Study to Describe the Long-term Efficacy and Safety of AMG 416 in the Treatment of Secondary Hyperparathyroidism in Subjects with Chronic Kidney Disease on Hemodialysis, **Protocol 20120231**, AMGEN
Jul 2013 -2014	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of CTAP101 Capsules to Treat Secondary Hyperparathyroidism in Subjects with Stage 3 or 4 Chronic Kidney Disease and Vitamin D Insufficiency, **Protocol CTAP101-3001**, OPKO Health, Inc.
Apr 2013 - Mar 2015	Randomized, double-blind, parallel-group, multicenter study to evaluate the efficacy and safety of HX575 epoetin alfa vs. US licensed epoetin alfa (Epogen® /Procrit®) in the treatment of anemia associated with chronic kidney disease, **Protocol HX575-307 Access**, Sandoz Biopharmaceuticals Inc.
Apr 2013 - 2014	A Randomized, Double-blind, Placebo-controlled, Phase 3 Study to Assess the Efficacy and Safety of AMG 416 in the Treatment of Secondary Hyperparathyroidism in Subjects With Chronic Kidney Disease on Hemodialysis, **Protocol 20120230 AMG 416**, AMGEN
Aug 2012 -2014	"Phase 2B Randomized, Double-Blinded, Placebo-Controlled Study to Assess the Pharmacodynamic Response, Safety, and Tolerability to 20 Weeks of Oral Dosing of AKB-6548

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	in Subjects with Anemia Secondary to Chronic Kidney Disease(CKD), GFR Categories G3A-G5 (stages 3,4, and 5) (Pre-Dialysis), **Protocol AKB-6548-CI-0007**, Akebia Therapeutics, Inc.
Jan 2013 - 2014	A Phase III Multicenter, Two-Phase, Multi-Dose, Prospective, Randomized, Double- blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of ZS (Microporous, Fractionated, Protonated Zirconium Silicated), an Oral Sorbent, in Subject with Mild to Moderate Hyperkalemia, **Protocol ZS-003**, ZS Pharma, Inc.
Aug 2012 - 2015	START-CKD: Strategies Using Darbepoetin alfa to Avoid Transfusions in Chronic Kidney Disease, **Protocol 20110226**, Amgen
Sep 2012 - 2014	Open Label Uncontrolled Extension Study of Soluble Ferric Pyrophosphate(SFP) in Dialysate in Chronic Kidney Disease Patients Receiving Chronic Hemodialysis, **Protocol RMTI-SFP-6 Addendum**, Rockwell Medical Tech., Inc.
Mar 2012 - 2013	A Randomized, Double-Blinded, Placebo-Controlled, Crossover, Multicenter Phase III Safety Study of Soluble Ferric Pyrophosphate(SFP) in Dialysate in Chronic Kidney Disease Patients Receiving Chronic Hemodialysis, **Protocol RMTI-SFP-6**, Rockwell Medical Tech., Inc.
Aug 2011 - 2014	A Therapeutic-Equivalence Study Comparing the Efficacy and Safety of Subcutaneous Epoetin Hospira and Epoetin Alfa (Amgen) in Patients with Chronic Renal Failure Requiring Hemodialysis and Receiving Epoetin Maintenance Treatment, **Protocol EPOE-10-13,** Hospira Inc.
Aug 2011 - 2014	A Therapeutic-Equivalence Study Comparing the Efficacy and Safety of Intravenous Epoetin Hospira and Epoetin Alfa (Amgen) in Patients with Chronic Renal Failure Requiring Hemodialysis and Receiving Epoetin Maintenance Treatment, **Protocol EPOE-10-01**, Hospira Inc.
Nov 2011 - 2013	A Phase 2, Multicenter, Randomized, Placebo-controlled, Double-blinded, Placebo-masked, Parallel-group Pilot Trial to Compare the Efficacy, Tolerability, and Safety of Tolvaptan Modified-release and Immediate-release Formulations in Subjects with Autosomal Dominant Polycystic Kidney Disease, **Protocol 156-09-290**, Otsuka Pharmaceuticals
Mar 2011 - 2013	RADAR: Reducing Residual Albuminuria in Subjects with Diabetes and Nephropathy with Atrasentan- A Phase 2b, Prospective, Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate Safety and Efficacy, **Protocol M11-350**, Abbott
Jun 2011 - 2012	Phase 2a Randomized, Double-Blind, Placebo-Controlled, Dose Range Study to Assess the Pharmacodynamics Response, Pharmacokinetics, Safety, and Tolerability of 42-day Repeat Oral Doses of AKB-6548 in Subjects with Anemia Secondary to Chronic Kidney Disease (CKD), Stages 3 and 4, **Protocol AKB-6548-CI-005**, Akebia Therapeutics
Oct 2011 - 2012	An Open-label, Randomised, Active-controlled, Parallel Group, Multicentre, Phase 3 study to Investigate the Safety and efficacy of PA21 Compared with Sevelamer Carbonate Followed by a Randomised Comparison of PA21-Maintenance Dose Versus PA21-Low Dose in Dialysis Patients with Hyperphosphatemia, **Protocol PA-CL-05A**, Vifor Pharma
Nov 2011 - 2013	Bardoxolone Methyl Evaluation in Patients with Chronic Kidney Disease and Type II Diabetes: The Occurrence of Renal Events (BEACON),**Protocol 402-C-0903**, Reata Pharmaceuticals
Mar 2011 - 2012	A Double-Blind, Randomized, Placebo-Controlled, Multiple Ascending Dose Study to Assess the Safety, Tolerability, and Efficacy of KAI-4169 in Hemodialysis Subjects with Secondary Hyperparathyroidism, **Protocol KAI -4169-003**, KAI Pharmaceuticals
Aug 2010 – 2011	A Double-Blind, Randomized, Placebo-Controlled Two- Period Crossover Study to Assess the Safety and Tolerability of Single Ascending Doses of KAI-4169 in Hemodialysis Subjects with Secondary Hyperparathyroidism (Phase I), **Protocol KAI-4169-002**, KAI Pharmaceuticals
Aug 2010 - 2013	A Phase 2, Randomized, Open Label, Dose Titration, Efficacy and Safety Study of FG-4592 in Non-Dialysis Chronic Kidney Disease patients with Anemia, **Protocol FGCL-4592-041**, FibroGen
Apr 2010 – 2012	A Phase 2, Randomized, Open-Label Active-Comparator (Epoetin Alfa) and Double-Blind Placebo-Controlled, Dose-Ranging Safety and Exploratory Efficacy Study of FG-4592 in Subjects with End-Stage Renal Disease Receiving Maintenance Hemodialysis. **Protocol FGCL-4592-040,** FibroGen

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Oct 2010- 2012	An Observer-Blinded, Randomized Study Comparing the Safety and Immunogenicity of HEPLISAV™ to Licensed Vaccine (Engerix-B®) among Adults (18 to 75 Years of Age) with Chronic Kidney Disease (CKD), **Protocol DV2-HBV-17**, Dynavax
Apr 2010 – 2011	Ferumoxytol Compared to Iron Sucrose Trial (FIRST): A Randomized, Multicenter, trail of Ferumoxytol Compared to Iron Sucrose for the Treatment of IRON Deficiency Anemia in Adult Subjects with Chronic Kidney Disease, **Protocol FER-CKD-201**, AMAG
Aug 2009 – 2011	A phase III, randomized, double-blind, placebo-controlled, parallel group, safety and efficacy study of BI 11356 95mg), compared to placebo as add on to pre-existing antidiabetic therapy (insulin or any combination with insulin; sulphonylurea or glinides as monotherapy; pioglitazone or any other antidiabetics, excluding only DPP-4 inhibitors other than BI 1356) over 52 weeks in type 2 diabetic patients with severe chronic renal impairment, **Protocol 1218.43**, Boehringer, Ingelheim
Dec 2009 – 2011	Randomized Evaluation of efficacy and safety of Ferric Carboxymaltose in Patients with iron deficiency Anemia and Impaired Renal function, REPAIR-IDA, **Protocol 1VIT09030**, Luitpold
Dec 2009 – 2010	A Phase 1b, Randomized, Double-Blind, Placebo-Controlled Study of the Pharmacokinetics and Safety of Escalating Dose Levels of FG-4592 in Subjects with End-Stage Renal Disease Receiving Maintenance Hemodialysis, **Protocol FGCL-4592-039**, FibroGen
Jan 2009 – 2010	"A Randomized, Single-blind, Placebo-controlled, 4-Week Treatment Study of the Safety and Biological Activity of Escalating Multiple Oral Doses of FG-4592 in Subjects with Chronic Kidney Disease", **Protocol FGCL-SM4592-017**, FibroGen
Apr 2009 – 2012	A Phase III, Randomized, Double-Blind, Placebo-Controlled Study of AST-120 for Prevention of Chronic Kidney Disease Progression in Patients with Moderate to Severe Chronic Kidney Disease, **Protocol KRM-306**, **EPPIC**, Mitsubishi Tanabe – Kureha
Jan 2009 - 2010	A Phase 2 Study of the Safety and Efficacy of AF37702 Injection for the Maintenance Treatment of Anemia in Peritoneal Dialysis Subjects Previously Treated With Epoetin, **Protocol AFX01_201**, Takeda
Jul 2008 - Apr 2010	A Phase 2 Study and Efficacy of AF37702 Injection for the Maintenance Treatment of Anemia in Subjects with Chronic Renal Failure who Are on Hemodialysis or Do Not Require Dialysis and Previously Treated With Darbepoetin Alfa, **Protocol AFX01_202**, Takeda
Aug 2008- Jan 2011	A 30-week, Multicenter, Randomized, Double-Blind, Parallel-Group Study of the Combination of ABT-335 and Rosuvastatin Compared to Rosuvastatin Monotherapy in Dyslipidemic Subjects with Stage 3 Chronic Kidney Disease, **Protocol M10-313**, Abbott
Mar 2008 – 2009	A Randomized, Open-label, Multicenter, Study of Epoetin Alfa Comparing Two Extended Dosing regimens, Once Every Two Weeks and Once Every Four Weeks, with the Once Weekly dosing Regimen for Maintenance Treatment in Anemia Subjects With Chronic Kidney Disease **Protocol EPO-AKD-3002,** Johnson & Johnson Pharmaceuticals
Feb 2008 - 2009	A Multi-center, Randomized Double-Blind, Active controlled Clinical trial to Evaluate the Safety and Tolerability of 24 weeks treatment with Vildagliptin (50mg qd) versus Sitagliptin (25mg qd) in patients with type 2 diabetes and severe renal insufficiency **Protocol: CLAF237A23138,** Novartis
Feb 2008 – 2009	Outcome trial Evaluating the Efficacy and Safety of Norditropin in Adult Patients on Chronic Hemodialysis. A Randomized , Double-blind, Parallel group, Placebo controlled, Multi-centre Trial, **Protocol NN1630-1453- OPPORTUNITY,** Novo Nordisk
Oct 2007 – 2009	A Phase 2/3, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Atacicept in Subjects with Lupus Nephritis in Combination with Mycophenolate Mofetil therapy, **Protocol ZGI 493G01 MSEO28113**, ZymoGentics
Oct 2007 – 2008	A Multi-Center, Randomized, Controlled Study to Investigate the Safety and Tolerability on Intravenous Ferric Carboxymaltose (FCM) vs. Standard Medical Care in treating iron Deficiency Anemia in Chronic Kidney Disease patients, **Protocol 1VIT07018**, Luitpold
Sep 2007 – 2008	A Randomized Controlled Trial of the Effect if IV Iron on Proteinuria in Non-Dialysis Chronic Kidney Disease Patients, **Protocol FER0701**, Watson
Jul 2007- 2009	A Phase III, Open-label Study of Tenecteplase for Restoration of Function in Dysfunctional Hemodialysis Catheters, **Protocol N3701g**, Genentech

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Sep 2007- 2010	A Phase 3, Randomized, Active-controlled, Open-label, Multi-center Study of the Safety and Efficacy of AF37702 Injection for the Maintenance Treatment of Anemia in Hemodialysis Patients Previously Treated with Epoetin Alfa, **Protocol: AFX01-12**, Affymax
Sep 2007 – 2010	A Phase 3, Randomized, Active-Controlled, Open-label, Multi-center Study of the Safety and Efficacy of AF37702 Injection for the Correction of Anemia in the Patients with Chronic Renal Failure (CRF) not on Dialysis and not Erythropoiesis Stimulating Agent (ESA) Treatment, **Protocol AFX01-11**, Affymax
Aug 2006 – 2008	A 4-week, multicenter, double-blind, randomized, parallel group study to compare the gastrointestinal safety and tolerability of myfortic and MMF 9Cellcept) when administered in combination with calcineurin inhibitors in renal transplant recipients experiencing gastrointestinal intolerance, **Protocol CERL080AUS51**, **N**ovartis
Aug 2006 - 2007	A Randomized Cross-Over Pilot Study of the Effect of Sodium Ferric Gluconate Complex vs. Iron Sucrose on Proteinuria in Non-Dialysis Chronic Kidney Disease Patients, **Protocol FER0601**, Watson
Sep 2006 - 2007	A Randomized Study of the Safety and Efficacy of FG-2216 in Subjects with Renal Anemia Not Requiring Dialysis and Not Receiving Recombinant Human Erythropoietin FibroGen, Protocol, **FGCL-SM2216-019**
Aug 2006 - 2010	An Open –label, Multi-center, Extension Study to Evaluate the Safety and Tolerability of AF37702 Injection (Hematide™) for the Long-Term Maintenance treatment of Anemia in Patients With Chronic Kidney Disease, **Protocol AFX01-09**, Affymax
Mar 2006 - 2009	A Phase 2, Multi-Centered, Randomized, Double-Blind, Placebo-Controlled, Dose Ranging Study of TBC3711 in Subjects with Resistant Hypertension, **Protocol GRH01**, Encysive
Aug 2005- 2007	Dialysis patient's Response to IV iron with Elevated Ferritin DRIVE, **Protocol FER0401**, Watson
Oct 2005 - 2007	A Phase 2, Open-Label, Multi-Center, Sequential, Dose Finding Study if the Safety, Pharmacodynamics, and Pharmacokinetics of AF37702 Injection (Hematide) Administration Intravenously for the Maintenance Treatment of Anemia in Chronic Hemodialysis patients **Protocol AFX01-03,** Affymax
Oct 2005 - 2007	A Phase 2, Open-Label, Multi-Center, Sequential, Dose Finding Study if the Safety, Pharmacodynamics, and Pharmacokinetics of AF37702 Injection (Hematide) Administration Intravenously for the Maintenance Treatment of Anemia in Chronic Hemodialysis patients **Protocol AFX01-03,** Affymax
Aug 2005 - 2006	A Double-Blind, Randomized, Placebo Controlled. Parallel Group, Multiple Dose Study to assess the Safety, tolerability, Pharmacokinetics and Pharmacodynamics of ABX10241 in Hemodialysis Subjects with Secondary Hyperparathyroidism, **Protocol ABX-0504,** Abgenix
Mar 2005 - 2010	An Open-Label, Multi-Center study to Document the Efficacy, Safety and Tolerability of Long Term Administration of RO0503821 in Patients with Chronic Kidney Renal Anemia, **Protocol BH18387,** Roche
Aug 2005 - 2006	A Phase-IV, Open-Label, Multi-Center Trial Evaluating the Efficacy of Fosrenol Compared to Exiting Therapy in Adults with End Stage renal Disease treated for Hyperphosphatemia, **Protocol SPD 405-401,** Shire
Oct 2005 - 2007	Open Label Extension Evaluating the Long Term Safety, tolerability and Efficacy of an Iron Maintenance Dosing Strategy Utilizing Intravenous VIT-45 in the treatment of Anemia in the Non-Dialysis Dependent (NDD) Chronic Kidney disease (CKD), **Protocol VIT05005 –**Luitpold
Jul 2005 - 2006	Comparison of the Safety and Efficacy of a Unique Intravenous Iron Preparation (VIT-45) versus Oral Iron in the Treatment of Anemia in Non-Dialysis Dependent Chronic Kidney Disease, **Protocol 1VIT04004,** Luitpold
Sep 2005 - 2007	**Avosentan (SPP301)**Diabetic Nephropathy: 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, end stage renal disease or death in patients with type 2 diabetes mellitus and diabetic nephropathy **Protocol SPP301CRD15 – ASCEND,** Speedel

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Mar 2005 - 2007	A three- month, open-label, two cohort study to investigate the safety and tolerability of Myfortic in combination with Neoral or Tacrolimus in renal transplant recipients with GI intolerance, **Protocol CERL080 – MyTime**, Novartis
Dec 2005 - 2007	A randomized, Double-Blind, Equivalence Study of the Efficacy of Epoetin Alfa Manufactured by Deep Tank Bioreactor Technology and Epoetin alfa Manufactured by Roller Bottle Technology for the Treatment of Anemia in patients with Chronic Kidney Disease Receiving Hemodialysis, **Protocol 20050113** Amgen
Apr 2005 – 2007	A Randomized , Open-Label Study to Asses the Safety of Epoetin Alfa Manufactured by Deep Tank Technology and Epoetin Alfa Manufactured by Roller Bottle technology in Subjects with Chronic Kidney Disease Not on Dialysis, **Protocol 20040259**, Amgen
Jul 2004- 2005	Clinical Utility Of Caduet in Simultaneously achieving Blood Pressure and Lipid endpoints in a Specific Patients Population (CAPABLE), **Protocol A3841025**, Pfizer
Apr 2004-2008	A Phase III A, Randomized Controlled Open Label, Multi-Center, Parallel Group Study to Demonstrate the Efficacy and Safety of RO0503821 When Administered with Prefilled Syringes for the Maintenance Treatment of Anemia in Patients with Chronic Kidney Disease who are on Dialysis, **Protocol BA16738**, Hoffmann-LaRoche Ltd.
Apr 2004 – 2009	A Phase III An open-label, randomized, multi-center, parallel group study to demonstrate correction of anemia using subcutaneous injections of RO0503821 in patients with chronic kidney disease who are not on renal replacement therapy, **Protocol BA16738**, Hoffmann-LaRoche Ltd.
Aug 2004 - 2007	A Prospective Community Cohort Observational Study to Examine the Prevalence of Abnormalities of Parathyroid Hormone, Calcium, Phosphorus and Vitamins in Patients with Chronic Kidney Disease, **Abbott SEEK**, Abbott Laboratories, Inc. 1 year
Nov 2004- 2005	A Phase III, Multicenter, Randomized, Placebo-Controlled, Double-Blinded Study to Evaluate Efficacy of StaphVAX, a Bivalent *Staphylococcus aureus* Glycoconjugate Vaccine in Adults on Hemodialysis, **Protocol NABI-1371**, Nabi Biopharmaceuticals
Aug 2004 - 2009	TREAT- Trial to Reduce Cardiovascular Events with Aranesp Therapy, **Protocol 20010184,** Amgen
May 2004- 2007	A Phase III, Study of the Safety and Efficacy of Two Parental Dose, Regimens of Ferumoxytol (compared with oral iron) as an Iron Replacement Therapy in CKD Patients not on Dialysis, **Protocol 62745-6,** Advance Magnetics Inc.
Nov 2003 – 2004	TARGET Treatment Strategies to Achieve Recommended K/DOQI Goals in ESRD Patients on Cinacalet Phase II, **Protocol AMG-073 20020390**, Amgen
Jul 2003- 2004	A Randomized, Double-blind Study Comparing Aranesp (darbepoetin alfa) and Recombinant Human Erythropoietin in the treatment of Anemia in African American Subjects with Chronic Renal Failure (CRF) Receiving Hemodialysis, **Protocol Aranesp 20010125**, Amgen
Nov 2003—2004	CONTROL, Cinacalcet, Open Label Study to Reach K/DOQI Level Phase 2, **Protocol AMG-073 2002**, Amgen
Jul 2003- 2005	**A** prospective, randomized, double-blind, double-dummy, forced-titration, multicentre, parallel group, one year treatment trial to compare MICARDIS (tel**m**isartan) 80mg versus COZAAR (l**o**sartan) 100mg in hypertensive type 2 **d**iabe**t**ic patients with **o**vert nephropathy (**AMADEO** Study)**, Protocol 502.397,** Boehringer, Ingelheim
Mar 2003- 2005	A Randomized, controlled, Open-Label Study of the Safety and Efficacy of Ferrlecit vs. Oral Iron in Iron Deficient Patients with Chronic Kidney Disease, **Protocol FER0202**, Watson Laboratories, Inc.
Mar 2003- 2004	A Randomized, controlled, Open-Label Study of the Safety and Efficacy of Ferrlecit vs. Oral Iron in Iron Deficient Patients with Chronic Kidney Disease Being Treated with Erythropoietic therapy, **Protocol FER0201**, Watson Laboratories, Inc.
Aug 2002- 2004	A Study of the Efficacy and Safety of Venofer [Iron Sucrose Injection] in Anemic Patients Receiving Peritoneal Dialysis, **Protocol 1VEN02021**, Luitpold
Jul 2002 – 2003	"A Randomized Open Label Clinical Evaluation for PROCRIT (Epoetin Alfa) for Maintenance Phase treatment of Patients with Anemia due to Chronic Kidney Disease". PROMPT, **Protocol PR01-06-021**, Ortho Biotech Products, L.P.

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Jul 2002 - 2006	Correction of Hemoglobin and Outcomes in Renal Insufficiency "CHOIR", **Protocol PR00-06-014**, Ortho Biotech Products, L.P.
May 2002 – 2003	A Placebo-controlled, Double–blind, Multicenter Study to Assess the Efficacy and Safety of an Oral Calcimimetic Agent (AMG 073) in Secondary Hyperparathyroidism of Chronic Kidney Disease (Hemodialysis and Peritoneal Dialysis), **Protocol AMG 073 20000188**, Amgen
May 2002 - 2002	A Phase III Prospective, Randomized Placebo Controlled, Double-Blind Multi-Center Study to Evaluate the Safety and Efficacy of Zemplar Capsules in Reducing Serum Intact Parathyroid Hormone Levels in End Stage renal Disease Subjects on Peritoneal Dialysis, **Protocol 2001-015**, Abbott Laboratories
Apr 2002– 2002	A Phase III Prospective, Randomized Placebo Controlled, Double-Blind Multi-Center Study to Evaluate the Safety and Efficacy of Zemplar Capsules in Reducing Serum Intact Parathyroid Hormone Levels in End Stage renal Disease Subjects on Hemodialysis, **Protocol HD 2001-014**, Abbott Laboratories
Nov 2001 – 2005	A Randomized, Open Label, Parallel Design Study of Renagel Phosphate Binder Versus Calcium-Based Phosphate Binders in Hemodialysis, **Protocol GTC-68-401**, GelTex Pharmaceuticals, Inc.
Nov 2001- 2001	Prevalence of Anemia in Patients With Early Renal Insufficiency, **Protocol PR99-06-002,** Ortho Biotech, Inc.

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