

Rachel L. Sturdivant, MD, FKNF
Curriculum Vitae
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Office Mailing Address/Telephone/Email

Medical University of South Carolina
Division of Nephrology
Department of Medicine
Division of Nephrology
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Citizenship

USA

Education

1994-1998

University of Alabama at Birmingham
School of Medicine
Birmingham, Alabama
Doctor of Medicine

1992-1993

University of Alabama at Birmingham
School of Medicine
Birmingham, Alabama
Pre-med Coursework

1992

University of Montevallo
Montevallo, Alabama
Pre-med Coursework

1988-1992

Millsaps College
Jackson, Mississippi
B.A. Religious Studies

Post-Doctoral Training

2001-2003

Nephrology Fellowship
Medical University of South Carolina
Charleston, South Carolina

2000-2001

Internal Medicine Residency
Medical University of South Carolina
Charleston, South Carolina

1998-2000

Internal Medicine Internship/Residency
University of Alabama at Birmingham
Birmingham, Alabama

Board Certification

2003	American Board of Nephrology
2001	American Board of Internal Medicine

Licensure

2000-present	South Carolina License #22000
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Academic Appointments

2005-present	Assistant Professor of Medicine Medical University of South Carolina
2003-2005	Instructor of Medicine Medical University of South Carolina

Hospital Appointments/Privileges

2003-present	Medical University of South Carolina Charleston, South Carolina
2003-2010	Kindred Hospital Charleston, South Carolina
2003-present	Ralph H. Johnson Veterans Administration Charleston, South Carolina
2003-present	Dialysis Clinics Incorporated Charleston, South Carolina
2006-present	East Cooper Hospital Charleston, South Carolina

Administrative Appointments

2010- present	Co-Director of East Cooper Dialysis Unit Dialysis Clinics Incorporated Charleston, South Carolina
2009 – present	Rutledge Tower Nephrology Clinic Director Medical University of South Carolina
2005-2009	Associate Nephrology Fellowship Director Medical University of South Carolina

- **See Educational Activities**

2003- present Medical Director of the Anemia Clinic
Medical University of South Carolina

2003-2005 Co-Director of Meeting Street Dialysis Unit
Dialysis Clinics Incorporated
Charleston, South Carolina

Awards, Honors, Honorary Societies

2011 Fellow of the National Kidney Foundation

2009 Leonard Tow Humanism in Medicine Award
Gold Humanism Honor Society Chapter at
Medical University of South Carolina

 Golden Apple Nominee for Excellence in
Teaching
Medical University of South Carolina

2008 Trustees Leadership Academy Fellow
Medical University of South Carolina

2006 Golden Kidney Stone Award for Best
Junior Teaching Faculty
Division of Nephrology
Medical University of South Carolina

2001 Golden Apple Nominee for Excellence in
Teaching as a Resident
Medical University of South Carolina

2000 Excellence in Teaching by a Resident Award
Department of Internal Medicine
University of Alabama at Birmingham

1999 Internal Medicine House Staff Spirit Award
Department of Internal Medicine
University of Alabama at Birmingham

1999 Argus Society Honorable Mention for Excellent
Teaching Resident
University of Alabama at Birmingham School of
Medicine

1998 Hugh J. Dempsey Memorial Award for Academic
Achievement
University of Alabama at Birmingham School of
Medicine

 Dean's Award for Outstanding Clinical
Performance
University of Alabama at Birmingham School of
Medicine

Tinsley R. Harrison Award for Excellence in
Internal Medicine
University of Alabama at Birmingham School of
Medicine

Sarah F. Davis Award for Best All Around
Female Senior Medical Student, elected by
class
University of Alabama at Birmingham School of
Medicine

Janet M. Glasgow Award for a Female
Graduating First in Class
University of Alabama at Birmingham School of
Medicine

1997

Alpha Omega Alpha, Junior Member
University of Alabama at Birmingham School of
Medicine

Pathology Honor Society for the Association of
Pathology Chairmen
University of Alabama at Birmingham School of
Medicine

State of Alabama Merit Scholarship Award
University of Alabama at Birmingham School of
Medicine

1996

Mary D Roberts Medical Academic Scholarship
Award
University of Alabama at Birmingham School of
Medicine

State of Alabama Merit Scholarship Award
University of Alabama at Birmingham School of
Medicine

1995

State of Alabama Merit Scholarship Award
University of Alabama at Birmingham School of
Medicine

NIH Medical Student Summer Research Grant
University of Alabama at Birmingham School of
Medicine

Neurobiology Research Center Award for
Medical Student Research
University of Alabama at Birmingham School of
Medicine

Hicks Academic Medical Scholarship Award
University of Alabama at Birmingham School of
Medicine

1992

Phi Beta Kappa
Millsaps College

Membership in Professional/Scientific Societies

National Kidney Foundation
American Society of Nephrology
Gold Humanism Honor Society
Alpha Omega Alpha

University Service Activities

2011 - present	EPIC Super User Group for Implementation of a new EMR Medical University of South Carolina
2011 – present	Director of Nephrology Experience in Medical Student Clinical Clerkships Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2010 – present	Interview Committee for Internal Medicine Residency Candidates Medical University of South Carolina
2009 – present	Nephrology Triad Interdisciplinary Group Oversight of Outpatient Nephrology Clinical Practice Medical University of South Carolina
2005-2009	Graduate Medical Education Committee Medical University of South Carolina
2005-2006	Chair, Working Group for Implementation of Estimated GFR Reporting Medical University of South Carolina
2005-2008	Practice Partner Advisory Council Medical University of South Carolina
2005- present	NIH Nephrology Training Grant Ombudsman Medical University of South Carolina
2005 – 2009	Associate Program Director of Nephrology Fellowship Program Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities

2003-2009	Chair of Fellow Recruitment Committee Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2003-present	Fellowship Executive Committee Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2003- present	Nephrology Ward Attending Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2003-present	Nephrology Consult Attending Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2003- present	Rutledge Tower Nephrology Clinic Attending Medical University of South Carolina
2003-present	Rutledge Tower Fellows Continuity Clinic Attending Medical University of South Carolina <ul style="list-style-type: none">• See Educational Activities
2003-2005	East Cooper Medical Arts Nephrology Clinic Attending Medical University of South Carolina
1994-2000	Medical Education Committee, member, University of Alabama at Birmingham School of Medicine
1994-1998	Assessment Sub-Committee, member, University of Alabama at Birmingham School of Medicine

Educational Activities

Medical University of South Carolina

2011 – present	Director of Nephrology Experience in Medical Student Clerkships <ul style="list-style-type: none">• Revised curriculum• Updated goals and objectives for each learning experience• Added new learning experiences to the curriculum• Organized faculty development in Nephrology as it relates to teaching medical students• Organized lecturers for Professor Rounds and participated in their delivery
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- 2003- 2009
- Associate Program Director of the Nephrology Fellowship Training Program
- Chaired recruitment committee annually since 2003
 - Wrote and maintained the fellowship manual including all descriptions, goals and objectives, and policies for each learning experience
 - Developed course work compliant with Residency Review Committee requirements
 - Revised the Renal Biopsy Course
 - Developed an annual Practice Based Learning Improvement project
 - Introduced the Medical Matrix as a Systems Based Practice exercise
 - Implemented Mini-CEX
 - Developed a two year research curriculum for clinical fellows
 - Wrote templates for all electronic evaluations
 - Reviewed, recorded and conducted bi-annual and summative evaluations for all fellows
 - Initiated and implemented discipline/remediation plans as needed for fellows
 - Wrote all current policies regarding supervision, duty hours, moonlighting, hurricane coverage, and others
 - Coordinated with and delegated tasks to other physicians in the training program
 - Prepared and wrote the Intramural Review for the MUSC Graduate Medical Education Committee 2006
 - Prepared the program for the ACGME Site Visit in 2009 and wrote and submitted the entire Program Information Form
 - Planned and delivered orientation to new fellows
 - Planned and led an annual fellow and fellowship executive committee retreat and implemented the subsequent action plan
 - Interviewed and hired a Program Coordinator twice
- 2003 –present
- Lectures to 1st and 2nd year Medical Students
- 2-3 contact hours/year
 - *Acid Base, Assessing Kidney Function, Care of the Patient with CKD, Evaluation of Renal Function, Why to Become a Nephrologist*
- 2003-present
- Lectures to Internal Medicine Residents
- 1-2 contact hours/year
 - *Fluid & Electrolytes, ESRD Management, Care of the Patient with CKD, Nephrotic Syndrome, Emergency Lecture Series*

- From 2003-2008, 0.5 contact hours/month in lectures to residents on Nephrology ward service

2003-present	Lectures and Teaching to Nephrology Fellows <ul style="list-style-type: none">• 5-6 contact hours in lecture annually• <i>Congenital Malformation of the Kidney, Renal Malignancies, Care of the Patient with CKD, Journal Club, Research Conference</i>• Primary leader of the Systems Based Practice/Morbidity and Mortality conference – 3 contact hours• Attend on Ward and Consult Services, participate in Continuity Teaching Clinic, supervise outpatient dialysis rounds and weekend call• Gatekeeper for the Fellows Continuity Clinic• Director of the Rutledge Tower Clinic Experience for Fellows
2003-2010	Lecture to the Physician Assistants Program <ul style="list-style-type: none">• Annual lecture on Renal Failure
2003, 2007- present	Physical Diagnosis Preceptor <ul style="list-style-type: none">• Preceptor for 2-4 medical students each year• Instructed in history and physical skills• 16 contact hours annually

Lectures and Presentations

Invited and Extramural Lectures

2011	<i>Anemia Management in CKD</i> . Annual symposium on “Management of CKD: An Update for the Primary Care Physician”. Charleston, South Carolina.
2010	<i>Anemia Management in CKD</i> . Annual symposium on “Management of CKD: An Update for the Primary Care Physician”. Charleston, South Carolina
2009	<i>Anemia Management in CKD</i> . Annual symposium on “Management of CKD: An Update for the Primary Care Physician”. Charleston, South Carolina.
2008	<i>Renal Failure</i> . University of South Carolina Medical School Nephrology Lectures. Columbia, South Carolina. <i>Anemia Management in CKD</i> . Annual symposium on “Management of CKD: An Update for the Primary Care Physician”. Charleston, South Carolina. <i>Kidneys for Life – Chronic Kidney Disease</i> . “Pharmacology in Advanced Practice Conference”. South Carolina Nurses Association. Charleston, South Carolina.

Care of the CKD Patient. "New Drug Update". Division of Pharmacy at MUSC. Charleston, South Carolina.

Interesting Case Conference. Georgia/South Carolina National Kidney Foundation Regional Meeting. Hilton Head, South Carolina.

2007 *Renal Failure.* University of South Carolina Medical School Nephrology Lectures. Columbia, South Carolina.

Anemia Management in CKD. Annual symposium on "Management of CKD: An Update for the Primary Care Physician" Charleston, South Carolina.

Care of the CKD Patient. Southern Medical Association Conference: "Medical Dilemmas in Primary Care". New York, New York.

Evaluation and Treatment of Proteinuria: An Evidence Based Approach. Southern Medical Association: "Medical Dilemmas in Primary Care". New York, New York.

Assessing Renal Function: Lost Opportunities. Southern Medical Association: "Medical Dilemmas in Primary Care". New York, New York.

Interesting Cases in Nephrology. Southern Medical Association: "Medical Dilemmas in Primary Care". New York, New York.

2006 *Anemia Management in CKD.* Annual Symposium on "Management of CKD: An Update for the Primary Care Physician". Charleston, South Carolina.

2005 *History of the Anemia Clinic.* University of Mississippi, Division of Nephrology. Jackson, Mississippi.

Anemia Management of CKD: The Bloody Truth. MeduWay Series, Medical University of South Carolina. Charleston, South Carolina.

Poster Presentations

2010 Vickers JA, Jaffa M, **Sturdivant RL.** "Automated Reporting of eGFR Alters Referral Patterns to a Nephrology Clinic". National Kidney Foundation Spring Clinical Meetings, Orlando, Florida.

2004 Robey, JT, **Sturdivant RL,** Uber L, Brooks D, Gadegbeku C. "Assessment of a New Strategy to Improve Anemia Management in Chronic Kidney Disease". MUSC Department of Medicine Research Day.

Robey JT, Gadegbeku CA, Uber L, Brooks DH, **Sturdivant RL.** "Anemia Clinic: Improving Quality of Life by Improving Anemia Management associated with Chronic Kidney Disease." National Kidney Foundation Spring Clinical Meetings, Chicago, Illinois.

Uber L, Shrader S, Brooks DH, Barnes J, **Sturdivant RL.** "Cost Effectiveness Analysis of an Anemia Clinic." American Society of Health System Pharmacists, Chicago, Illinois.

Uber L, Shrader S, Brooks DH, Barnes J, **Sturdivant RL**. "Cost Effectiveness Analysis of an Anemia Clinic." The American College of Clinical Pharmacy, Dallas, Texas.

Robey JT, Gadegbeku CA, **Sturdivant RL**, Uber L, Brooks DH, Barnes J. "Anemia Clinic: Achieving Control of Anemia Associated with Chronic Kidney Disease." Southern Society for Clinical Investigation, New Orleans, Louisiana.

Robey JT, Gadegbeku CA, Uber L, Brooks DH, Barnes J, **Sturdivant RL**. "Anemia Clinic: Improving Anemia Management Associated with Chronic Kidney Disease". American Society of Nephrology, St. Louis, Missouri.

Abstracts

- 2010 Vickers JA, Jaffa M, **Sturdivant RL**. "Automated Reporting of eGFR Alters Referral Patterns to a Nephrology Clinic". *American J of Kidney Disease*. 55:4, B109.
- 2005 Othersen JB, Uber L, Brooks D, **Sturdivant RL**. "Prevalence of Iron Deficiency in Patients referred for Treatment of Anemia of Chronic Kidney Disease." *Journal of American Society of Nephrology, Supplement Nov 2005*.
- Sturdivant RL**, Brooks D, Frei-Lahr D, Afzal F, Milutinovic J, Uber L. "Mycophenolate Mofetil Induced Pure Red Cell Aplasia". *Journal of American Society of Nephrology, Supplement Nov 2005*.
- 2004 Robey JT, **Sturdivant RL**, Uber L, Brooks DH, Barnes J. "Improving Anemia Management for Chronic Kidney Disease Patients Immediately Prior to the Initiation of Renal Replacement Therapy." *Journal of American Society of Nephrology, Supplement Nov 2004*.

Mentored Presentations

- 2005 Pucci D, **Sturdivant RL**. "A Complicated Case of Coagulopathy: A Case Study of the use of Direct Thrombin Inhibitors in a patient with ESRD and Heparin Induced Thrombocytopenia". Oral presentation to the South Carolina Chapter of American College of Physicians, Charleston, South Carolina.
- Robey JT, **Sturdivant RL**. "Improving Anemia Management for Chronic Kidney Disease Patients Immediately Prior to the Initiation of Renal Replacement Therapy". Oral presentation to the Southern Society for Clinical Investigations, New Orleans, Louisiana.

Publications

- 2011 Self S, **Sturdivant RL**. Glomerulopathy with Membranoproliferative Features Associated with Influenza A Infection. *In preparation for submission*.

Vickers JA and **Sturdivant RL**. "Automated Reporting of Estimated GFR Alters Referral Patterns to a Nephrology Clinic". *American Journal of Medical Sciences*. In Press.

- 2004 **Sturdivant RL** and Arthur JM. "Eosinophilic Peritonitis and Atopy: A Case Report and Review of the Literature." *Dialysis and Transplantation*. 33:104, 97-99, 2004.
- 1999 Urbatsch A, Sams, Jr WM, Urist MM, **Sturdivant R**. "Merkel Cell Carcinoma Occurring in Renal Transplant Patients." *Journal of the American Academy of Dermatology*. 41:289-91, 1999.
- 1998 Carwile ME, Culbert RB, **Sturdivant RL**, Kraft TW. "Rod Outer Segment Maintenance is Enhanced in the Presence of bFGF, CNTF and GDNF." *Experimental Eye Research*. 66: 791-805, 1998.

Sponsored Research as Principal Investigator

- 2010 1VIT09030 (REPAIR-IDA): Randomized Evaluation of Efficacy and Safety of Ferric Carboxymaltose in Patients with Iron Deficiency Anemia and Impaired Renal Function. Luitpold Pharmaceuticals.
- 2007 KRM- 307 – 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 including Assessment of Quality of Life (EPPIC). Mitsubishi Pharma Corporation.
- 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. Luitpold Pharmaceuticals.

Sponsored Research as Co-Investigator

- 2011 SPRINT (Systolic Blood Pressure Intervention Trial)
NHLBI
Principal Investigator: Suzanne Oparil, MD
MUSC is a clinical site

Mentorship

- 2011 Arun Iyer, 1st year Medical Student
Summer Health Professionals Grant
Investigation of Bleeding Tendencies in Humans with Autosomal Dominant Polycystic Kidney Disease
Results of his project to be used for a Discovery Grant Application
Collaboration with P. Darwin Bell PhD, Ruth C. Campbell MD
- 2009 Jean Vickers MD
Nephrology Fellow
Estimated GFR and Primary Care Referrals
Resulted in publication
- 2004 Jean Robey MD

Nephrology Fellow
Data Analysis from a new Anemia Clinic
Multiple abstract and poster submissions
Oral Presentation to Southern Society for Clinical Investigation

2004 David Pucci DO
Internal Medicine Resident
Oral Presentation to South Carolina American College of Physicians

Reviewer/Editorial Activities

American Journal of Medical Sciences
Pulmonary Medicine
ABIM Nephrology Board Questions

Extramural Professional Activities

2007 South Carolina Chronic Kidney Disease Task Force, member

2006-2009 Medical Advisory Board of the South Carolina National Kidney Foundation

2006-2007 Creator of the Annual Symposium "Management of Chronic Kidney Disease: An Update for the Primary Care Physician."

2004 Amgen Advisory Board for Anemia Management

2004 Moderator of Basic Science Section III
Southern Society for Clinical Investigation

Community Service

2011 Belle Hall Elementary Career Fair
Mount Pleasant, South Carolina

2010 – present Docs Adopt Program, Liaison to Belle Hall Elementary
Sponsored by the Charleston County Medical Society
Charleston, South Carolina

2009 Medical Volunteer for Dental Access Day
North Charleston, South Carolina

Kidney Early Evaluation Program (KEEP) Volunteer
North Charleston, South Carolina

2009 – present Medical Volunteer, Seacoast Emergency Response Team
Seacoast Church, Mount Pleasant, South Carolina

2004 Community Lecture to the East Cooper Lupus Support Group

Mount Pleasant, South Carolina

Faculty Development

- 2011 Reducing the Impact of Chronic Kidney Disease (CKD): Opportunities for Randomized Clinical Trials
National Institute of Diabetes, Digestive and Kidney Diseases,
Bethesda, Maryland.
- 2008 American Council of Graduate Medical Education Meeting Annual
Education Conference
Dallas, Texas.
- 2005 Early Career Women Faculty Professional Development Seminar
Association of American Medical Colleges
Santa Fe, New Mexico.
- Practice Based Learning Improvement Conference
American Council of Graduate Medical Education
Chicago, Illinois.