

CURRICULUM VITAE

Kevin R. Regner, MD, FASN
Assistant Professor of Medicine
Division of Nephrology

Education: 1997 B.A. Purdue University, West Lafayette, IN
 2001 M.D. Medical College of Wisconsin, Milwaukee, WI

Postgraduate Training and Fellowship Appointments:

2004-2007 Nephrology Fellowship,
 Mayo Clinic College of Medicine,
 Mayo Clinic, Rochester, Minnesota

2001-2004 Internal Medicine Residency,
 Mayo Clinic College of Medicine,
 Mayo Clinic, Rochester, Minnesota

Faculty Appointments:

2007- Assistant Professor of Medicine
 Division of Nephrology
 Department of Medicine
 Medical College of Wisconsin, Milwaukee, WI

2007- Faculty member, Kidney Disease Center
 Department of Medicine
 Medical College of Wisconsin, Milwaukee, WI

2006-2007 Instructor of Medicine
 Division of Nephrology
 Mayo Clinic College of Medicine,
 Mayo Clinic, Rochester, Minnesota

Hospital Staff Privileges:

2007- Froedtert Memorial Lutheran Hospital
 Milwaukee, WI, 53226

Specialty Boards and Certification:

Licensure	Number	Issue Date	Expiration
State of Wisconsin	50061-020	1/24/2007	10/31/2011

Boards	Eligible or Certified	Issue Date	Expiration
American Board of Internal Medicine	Certified	2004	12/31/2014
ABIM – Nephrology	Certified	2007	12/31/2017

Awards and Honors:

1997	Phi Beta Kappa, Purdue University, West Lafayette, IN
2000	Alpha Omega Alpha Medical Honor Society, Medical College of Wisconsin, Milwaukee, WI
2001	William W. Engstrom Award in Internal Medicine, Medical College of Wisconsin, 2001. Awarded to the graduating medical student who has demonstrated exceptional proficiency and scholarship in Internal Medicine
2002	Attitude, Commitment, and Excellence Award, Department of Medicine, Mayo Clinic Internal Medicine Residency. Peer selected for outstanding commitment to patient care and collegiality.
2004	Attitude, Commitment, and Excellence Award, Department of Medicine, Mayo Clinic Internal Medicine Residency. Peer selected for outstanding commitment to patient care and collegiality
2004	Outstanding Achievement Award, Department of Medicine, Mayo Clinic College of Medicine. Selected by departmental faculty for outstanding performance during Internal Medicine training.
2007	Outstanding Achievement Award, Division of Nephrology, Mayo Clinic College of Medicine. Selected by faculty for outstanding performance during Nephrology training.

Memberships in Professional and Honorary Societies:

- Fellow, American Society of Nephrology
 - Elected 2009
- Member, Central Society for Clinical Research
 - Elected 2008
- Member, International Society of Nephrology
- Member, National Kidney Foundation
- Member, Renal Physicians Association
- Member, American College of Physicians

Editorships/Editorial Boards or Journal Reviews:

Ad Hoc Reviewer Hypertension
 Nephron - Experimental Nephrology
 Journal of Urology
 Mayo Clinic Proceedings

Local/Regional/Appointed Leadership and Committee Positions:

2008- Specialty consultant for adult nephrology/dialysis
 Wisconsin Poison Center
 Milwaukee, WI

2008- Central Line Committee
 Froedtert Memorial Lutheran Hospital

2008- Advance Care Initiative
 Standard and Quality Improvement Workgroup
 Froedtert Memorial Lutheran Hospital

2008- Internal Selection Committee
 Department of Internal Medicine
 Medical College of Wisconsin

2009- Nephrology Fellow Selection Committee
 Division of Nephrology
 Medical College of Wisconsin

2009- National Kidney Foundation of Wisconsin
 Member, Wisconsin Chronic Kidney Disease Task Force

Medical College of Wisconsin Teaching Activities:

Medical Student Education

Precepting/Attending Attending Physician, Inpatient Nephrology Service
2007- 1 student/month; 3 months/year

2008- Preceptor, Clinical Examination & Reasoning (CER) Course
 (Second year medical students)
 4 students; 8 hours/year

Didactic Teaching

2009- “Inherited and Cystic Diseases of the Kidney”
 Pathology Course - second year medical students
 1 hour/year

2009- “Glomerular Diseases of the Kidney”
 Pathology Course - second year medical students

- 1 hour/year
- 2009- “Tubulointerstitial Diseases of the Kidney”
Pathology Course - second year medical students
1 hour/year
- 2009- “Chronic Kidney Disease and Vascular Diseases of the
Kidney”
Pathology Course - second year medical students
1 hour/year
- 2009- “Nephrolithiasis and Obstructive Diseases of the Kidney”
Pathology Course - second year medical students
1 hour/year

Resident & Fellow Education

- 2007- Attending Physician, Inpatient Nephrology Service
2-3 residents/month; 3 months/year
1 fellow/month; 3 months/year
- 2007- “Basics of Kidney Disease: Glomerular, Interstitial, and
Cystic Diseases of the Kidney”
Nephrology lecture series for trainees on Nephrology
rotation. 1 hour/month
- 2008 “Acute Kidney Injury for Nephrology Nurses”
Lecture series for Nephrology Nursing Staff
1 hour
- 2008 “Renal Replacement Therapy for Acute Kidney Injury”
Pulmonary Critical Care Fellows Seminar
1 hour
- 2009 “Evaluation and management of electrolyte abnormalities in
the acute care setting”
Lecture series for Internal Medicine residents
2 hours
- 2009 “Renal Amyloidosis”
Clinical-Pathologic Conference
Department of Medicine
2 hours
- 2009 “Continuous Renal Replacement Therapy for Acute Kidney
Injury and Electrolyte Disorder”
Critical Care Residents/Fellows Seminar
1 hour/month

Continuing Medical Education

Title: “Continuous Renal Replacement Therapy: Targeting Optimal Dose”
Meeting/Event: Division of Nephrology Research Conference

Date: September 4, 2007

Title: “Continuous Renal Replacement Therapy for Critical Care RNs”
Meeting/Event: Critical Care Nurse Education
Date: November 9, 2007

Title: “Diagnosis and management of dysnatremias in the acute care setting”
Meeting/Event: Pulmonary & Critical Care division weekly conference
Date: December 14, 2007

Title: “Renal replacement therapy for acute kidney injury: current controversies and future directions”
Meeting/Event: Department of Medicine Grand Rounds
Date: February 1, 2008

Title: “Protective effect of 20-HETE analogues in renal ischemia-reperfusion injury”
Meeting/Event: Nephrology Research Conference
Date: October 21, 2008

Title: “Endothelial to mesenchymal transition in renal fibrosis”
Meeting/Event: Nephrology Research Conference
Date: January 27, 2009

Programatic Developments:

Educational Programs

2007 Developed critical care nephrology e-curriculum for nephrology fellowship program

Clinical Programs

2007- Developed multidisciplinary continuous renal replacement therapy working group

Research Grants, Contracts, Awards, Projects:

Peer Reviewed

Title: “20-HETE mediated protection from ischemic renal injury”
Source: MCW CTSI K12 Mentored Clinical/Translational Research Training Award
PI: Kevin R. Regner, MD
Dates: 7/1/08-6/30/10

Bibliography

Refereed Journal Publications/Original Papers:

1. Cohen EP, **Regner K**, Fish BL, Moulder JE. Stenotic glomerulotubular necks in radiation nephropathy. *J Pathol* 2000;190:484-488.
2. Moulder JE, Fish BL, **Regner KR**, Cohen EP, Raife TJ. Retinoic acid exacerbates experimental radiation nephropathy. *Radiat Res* 2002;57:199-203.
3. Moulder JE, Fish BL, **Regner KR**, Cohen EP. Angiotensin II blockade reduces radiation-induced proliferation in experimental radiation nephropathy. *Radiat Res* 2002;157:393-401.
4. Ensminger SA, **Regner KR**, Froehling DA. 35-Year-Old Woman with fever, cough, and anorexia. *Mayo Clin Proc* 2003;78:753-756.
5. **Regner, KR**, Connolly, HM, Schaff, HV, Albright, RC. Acute renal failure after cardiac surgery for carcinoid heart disease: Incidence, risk factors, and prognosis. *Am J Kid Dis* 2005; 45:826-823.
6. Haugen EN, **Regner KR**, Grande JP, Roberts L, Platt JL. Heparan sulfate is shed from renal tubular epithelium in human acute tubular necrosis. Manuscript in preparation.
7. **Regner KR**, Zuk A, Shames BD, Van Why SK, Ryan RP, Falck JR, Manthati VL, Roman RJ. Protective effect of 20-HETE analogues in experimental renal ischemia-reperfusion injury. *Kidney Int.* 2009 Mar;75(5):511-517.
8. Liang H, Hilton G, **Regner KR**, Johnson CP, Nilakantan V. MnTmPyP, a cell permeable SOD mimetic, reduces oxidative stress and apoptosis induced by renal ischemia-reperfusion injury *in vivo*. *Am J Physiol Renal Physiol.* 2009;296:F266-276.
9. Akbulut T, **Regner KR**, Roman RJ, Avner ED, Falck JR, Park F. 20-HETE activates the Raf/MEK/ERK pathway in the renal epithelial cells through EGFR- and c-Src-dependent mechanism. Submitted to *Am J Physiol Renal Physiol*.
10. **Regner KR**, Stelloh C, Eisenhaur J, Garrett MR. An Accelerated Model of Chronic Kidney Disease by Genetic Modification of the Dahl Salt-Sensitive Rat. Manuscript in preparation.
11. **Regner KR**, Nilakantan V, Mortenson J, White SM, Ryan RP, Roman RJ. Lifer Preservation Solution Mitigates Experimental Renal Ischemia-Reperfusion Injury. Manuscript in preparation.
12. Akbulut T, Nilakantan V, Falck JR, Roman RJ, Park F, **Regner KR**. 20-HETE analogues increase renal proximal tubular cell survival and decrease apoptosis following experimental ischemia-reperfusion injury. Manuscript in preparation.
13. Solberg-Woods L, Stelloh C, **Regner KR**, Schwabe T, Eisenhauer J, Garrett MR. Heterogenous stock rats – a new animal model to study the genetics of renal injury. Manuscript in preparation.

Books, Chapters, & Reviews:

1. **Regner KR**. Epidemiology of acute kidney injury after cardiac surgery: an update. *Journal of Organ Dysfunction* 2007;3(4):232-239.

Editorials/Letters to the Editor/Others:

1. **Regner KR**, Riegert-Johnson DL, Volcheck GW. Serial Measurement of Serum Tryptase Levels in Angiotensin Converting Enzyme Inhibitor Associated Angioedema. *Mayo Clin Proc* 2003; 78:655-656.
2. El-Zoghby ZM, **Regner KR**, Regner DM, Haugen EN. Obstructive Renal Failure from Malpositioned Urinary Catheter. *Kidney Int* 2008; 73:1330.

Abstracts Presented and Published:

1. Moulder JE, Fish BL, **Regner KR**, Cohen EP, Raife TJ. The growth promoter All-trans retinoic acid (ATRA) exacerbates experimental radiation nephropathy. Presented at the Forty-seventh Annual Meeting of the Radiation Research Society, April 29-May 3, 2000; Albuquerque, New Mexico, USA.
2. **Regner, KR**, Connolly, HM, Schaff, HV, Albright, RC. Acute renal failure after cardiac surgery for carcinoid heart disease: Incidence, risk factors, and prognosis. Presented at the 36th Annual Meeting & Scientific Exposition of the American Society of Nephrology, November 14-17, 2003; San Diego, California, USA.
3. **Regner, KR**, McGoon, MD, Frantz, RP, Haugen, EN. Chronic kidney disease is associated with pulmonary hypertension and right heart dysfunction. Presented at the National Kidney Foundation Clinical Meeting, April 19-23, 2006; Chicago, IL, USA.
4. **Regner, KR**, Grande, JP, Roberts, L, Platt, JL, Haugen, EN. Digestion of heparan sulfate from renal tubular epithelium in human acute tubular necrosis. Presented at the American Society of Nephrology annual meeting, November 15-19, 2006; San Diego, CA, USA.
5. Dall A, **Regner KR**, Hussain S. Outcome of severe acute renal failure – a Veterans Affairs Study. Presented at the 13th International Conference on Continuous Renal Replacement Therapies. February 27- March 1, 2008; San Diego, CA, USA
6. El-Zoghby, Z, **Regner KR**, Keegan, M, Casey, E. Factitious hyperphosphatemia due to sample contamination with heparin in an arterial line. Presented at the National Kidney Foundation Clinical Meeting, April 2-6, 2008; Dallas, TX, USA.
7. Haque A, Dall A, Hussain S, **Regner, KR**. Survival of elderly patients with acute kidney injury requiring continuous renal replacement therapy. Presented at the National Kidney Foundation 2008 Spring Clinical Meeting, April 2-6, 2008, Dallas, Texas, USA.

8. **Regner KR**, Zuk A, Shames BD, Van Why SK, Falck JR, Roman RJ. The 20-HETE analogue, N-[20-hydroxyeicosa-5(Z),14(Z)-dienoyl]glycine, mitigates experimental renal ischemia-reperfusion injury and prevents the post-ischemic fall in medullary blood flow. *J Am Soc Nephrol* 2008; 19:400A.
9. Haque A, Dall A, Marwaha A, Hussain S, **Regner KR**. Patient survival and renal outcomes in elderly patients with acute kidney injury requiring continuous renal replacement therapy. *J Am Soc Nephrol* 2008; 19:797A.
10. Deshmukh A, Kleinman J, Blumenthal S, **Regner KR**, Hussain S. Treatment of Membranous Nephropathy with Rituximab. *J Am Soc Nephrol* 2008; 19:970A.
11. Marwaha A, **Regner KR**, Dall A, Haque A, Piering W, Hussain S. Epidemiology and Demographics of Biopsy-Proven Acute Interstitial Nephritis. *J Am Soc Nephrol* 2008; 19:988A.
12. Akbulut T, **Regner KR**, Roman RJ, Park F. Effects of 20-HETE analogues on intracellular signaling cascades in renal proximal tubular cells. *FASEB J.* 2009 23:816.5.
13. Akbulut T, Roman RJ, Park F, **Regner KR**. Effect of 20-HETE analogues on renal proximal tubular cell survival following experimental ischemia-reperfusion injury. Accepted for presentation at 42nd Annual Meeting & Scientific Exposition of the American Society of Nephrology, San Diego, CA, 2009.
14. **Regner KR**, Nilakantan V, Mortenson J, White SM, Roman RJ. Lifer preservation solution mitigates experimental renal-ischemia reperfusion injury. Accepted for presentation at 42nd Annual Meeting & Scientific Exposition of the American Society of Nephrology, San Diego, CA, 2009.
15. **Regner KR**, Stelloh C, Eisenhauer J, Lenz MA, Garrett MR. An accelerated model of chronic kidney disease by genetic modification of the Dahl salt-sensitive rat. Accepted for presentation at 42nd Annual Meeting & Scientific Exposition of the American Society of Nephrology, San Diego, CA, 2009.
16. Solberg-Woods L, Stelloh C, **Regner KR**, Schwabe T, Eisenhauer J, Garrett MR. Heterogenous stock rats – a new animal model to study the genetics of renal injury. Submitted to the 7th Annual Meeting on Rat Genomics & Models.