

Stanford



Timothy Meyer

Stanford University Professor of Nephrology, Emeritus
Medicine - Nephrology

 NIH Biosketch available Online

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Nephrology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Faculty Fellow, Sarafan ChEM-H

ADMINISTRATIVE APPOINTMENTS

- Assistant Professor of Medicine, Stanford, (1984-1992)
- Associate Professor of Medicine, Stanford, (1992-2001)
- Professor of Medicine, Stanford, (2001- present)

PROFESSIONAL EDUCATION

- MD, Harvard , Medicine (1975)
- BA, Harvard College , Chemistry (1971)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Inadequate removal of uremic solutes contributes to widespread illness in the more than 500,000 Americans maintained on dialysis. But we know remarkably little about these solutes. Dr. Meyer's research efforts are focused on identifying which uremic solutes are toxic, how these solutes are made, and how their production could be decreased or their removal could be increased. We should be able to improve treatment if we knew more about what we are trying to remove.

CLINICAL TRIALS

- Increasing the Removal of Protein-Bound Solutes During Extended Hours Hemodialysis, Not Recruiting

Publications

PUBLICATIONS

- **Properties of Uremic Solutes That Allow Their Effective Control by Hemodialysis.** *Kidney360*
Yalamarti, T., Sirich, T. L., Hai, X., Suba, J. K., Keo, L. S., Chan, K. H., Meyer, T. W.
2025

- **A Metabolomics Approach to Identify Metabolites Associated With Mortality in Patients Receiving Maintenance Hemodialysis** *KIDNEY INTERNATIONAL REPORTS*
Al Awadhi, S., Myint, L., Guallar, E., Clish, C. B., Wulczyn, K. E., Kalim, S., Thadhani, R., Segev, D. L., Demarco, M., Moe, S. M., Moorthi, R. N., Hostetter, T. H., Himmelfarb, et al
2024; 9 (9): 2718-2726
- **Twice Weekly Versus Thrice Weekly Hemodialysis - A Pilot Cross-Over Equivalence Trial.** *Clinical journal of the American Society of Nephrology : CJASN*
Lee, S., Pham, N. M., Montez-Rath, M. E., Bolanos, C. G., Bonde, S. S., Meyer, T. W., Sirich, T. L.
2024
- **The Removal of Uremic Solutes by Peritoneal Dialysis.** *Journal of the American Society of Nephrology : JASN*
Meyer, T. W., Bargman, J. M.
2023
- **Increasing the Clearance of Protein Bound Solutes by Recirculating Dialysate through Activated Carbon.** *Kidney360*
Meyer, T. W., Lee, S., Whitmer, L. C., Blanco, I. J., Suba, J. K., Sirich, T. L.
2023
- **A Limited Effect of Chronic Renal Insufficiency on the Colon Microbiome.** *Journal of the American Society of Nephrology : JASN*
Guthrie, L., Sonnenburg, J. L., Fischbach, M. A., Meyer, T. W.
2023
- **Removal of Uremic Solutes from Dialysate by Activated Carbon.** *Clinical journal of the American Society of Nephrology : CJASN*
Lee, S., Sirich, T. L., Blanco, I. J., Plummer, N. S., Meyer, T. W.
2022
- **Impact of a 7-day homogeneous diet on interpersonal variation in human gut microbiomes and metabolomes.** *Cell host & microbe*
Guthrie, L., Spencer, S. P., Perelman, D., Van Treuren, W., Han, S., Yu, F. B., Sonnenburg, E. D., Fischbach, M. A., Meyer, T. W., Sonnenburg, J. L.
2022
- **Improving Solute Clearances by Hemodialysis.** *Blood purification*
Lee, S., Sirich, T. L., Meyer, T. W.
2022: 1-12
- **Barriers to Reducing Hemodialysis Time and Frequency in Patients with Residual Kidney Function.** *Journal of the American Society of Nephrology : JASN*
Meyer, T. W., Blanco, I. J., Grimm, J. C., Leyboldt, J. K., Sirich, T. L.
2021; 32 (9): 2112-2116
- **Impaired Tubular Secretion of Organic Solutes in Advanced CKD.** *Journal of the American Society of Nephrology : JASN*
Mair, R., Lee, S., Plummer, N., Sirich, T., Meyer, T.
2021
- **Association of Plasma Uremic Solute Levels with Residual Kidney Function in Children on Peritoneal Dialysis.** *Clinical journal of the American Society of Nephrology : CJASN*
Ganesan, L., O'Brien, F., Sirich, T., Plummer, N., Sheth, R., Fajardo, C., Brakeman, P., Sutherland, S., Meyer, T.
2021
- **Improving Clearance for Renal Replacement Therapy.** *Kidney360*
Lee, S., Sirich, T. L., Meyer, T. W.
2021; 2 (7): 1188-1195
- **Precision medicine in transplantation and hemodialysis.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Oberbauer, R., Meyer, T. W.
2021; 36 (Supplement_2): 31-36
- **Metabolomic analysis of uremic pruritus in patients on hemodialysis.** *PLoS one*
Bolanos, C. G., Pham, N. M., Mair, R. D., Meyer, T. W., Sirich, T. L.

2021; 16 (2): e0246765

- **Impaired Tubular Secretion of Organic Solutes in Acute Kidney Injury.** *Kidney360*
O'Brien, F. J., Mair, R. D., Plummer, N. S., Meyer, T. W., Sutherland, S. M., Sirich, T. L.
2020; 1 (8): 724-730
- **Contribution of 'clinically negligible' residual kidney function to clearance of uremic solutes** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Toth-Manikowski, S. M., Sirich, T. L., Meyer, T. W., Hostetter, T. H., Hwang, S., Plummer, N. S., Hai, X., Coresh, J., Powe, N. R., Shafi, T.
2020; 35 (5): 846-53
- **Twice-Weekly Hemodialysis Is an Option for Many Patients in Times of Dialysis Unit Stress.** *Journal of the American Society of Nephrology : JASN*
Meyer, T. W., Hostetter, T. H., Watnick, S.
2020
- **The Uremic Syndrome** *CHRONIC RENAL DISEASE, 2ND EDITION*
Dobre, M. A., Meyer, T. W., Hostetter, T. H.
edited by Kimmel, P. L., Rosenberg, M. E.
2020: 199-210
- **Why Is the GFR So High? Implications for the Treatment of Kidney Failure.** *Clinical journal of the American Society of Nephrology : CJASN*
Meyer, T. W., Hostetter, T. H.
2020
- **Accumulation of Uremic Solutes in the Cerebrospinal Fluid in Experimental Acute Renal Failure.** *American journal of physiology. Renal physiology*
Mair, R. D., Nguyen, H., Huang, T., Plummer, N. S., Sirich, T. L., Meyer, T. W.
2019
- **Contribution of 'clinically negligible' residual kidney function to clearance of uremic solutes.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Toth-Manikowski, S. M., Sirich, T. L., Meyer, T. W., Hostetter, T. H., Hwang, S., Plummer, N. S., Hai, X., Coresh, J., Powe, N. R., Shafi, T.
2019
- **Plasma pseudouridine levels reflect body size in children on hemodialysis.** *Pediatric nephrology (Berlin, Germany)*
O'Brien, F. J., Sirich, T. L., Taussig, A. n., Fung, E. n., Ganesan, L. L., Plummer, N. S., Brakeman, P. n., Sutherland, S. M., Meyer, T. W.
2019
- **Inflammation and Immunity Pathways Regulate Genetic Susceptibility to Diabetic Nephropathy** *DIABETES*
Gurley, S. B., Ghosh, S., Johnson, S. A., Azushima, K., Sakban, R., George, S. E., Maeda, M., Meyer, T. W., Coffman, T. M.
2018; 67 (10): 2096-2106
- **Characteristics of Colon-Derived Uremic Solutes** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Mair, R. D., Sirich, T. L., Plummer, N. S., Meyer, T. W.
2018; 13 (9): 1398-1404
- **Characteristics of Colon-Derived Uremic Solutes.** *Clinical journal of the American Society of Nephrology : CJASN*
Mair, R. D., Sirich, T. L., Plummer, N. S., Meyer, T. W.
2018
- **Uremic Toxin Clearance and Cardiovascular Toxicities.** *Toxins*
Mair, R. D., Sirich, T. L., Meyer, T. W.
2018; 10 (6)
- **Uremic Toxin Clearance and Cardiovascular Toxicities** *TOXINS*
Mair, R. D., Sirich, T. L., Meyer, T. W.
2018; 10 (6)
- **Intensive Hemodialysis Fails to Reduce Plasma Levels of Uremic Solutes** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Sirich, T. L., Meyer, T. W.

2018; 13 (3): 361–62

- **Residual Function Effectively Controls Plasma Concentrations of Secreted Solutes in Patients on Twice Weekly Hemodialysis.** *Journal of the American Society of Nephrology : JASN*
Leong, S. C., Sao, J. N., Taussig, A. n., Plummer, N. S., Meyer, T. W., Sirich, T. L.
2018
- **Untargeted mass spectrometry discloses plasma solute levels poorly controlled by hemodialysis** *PLOS ONE*
Sirich, T. L., Aronov, P. A., Fullman, J., Khanh Nguyen, Plummer, N. S., Meyer, T. W.
2017; 12 (11): e0188315
- **The Effect of Uremic Solutes on the Organic Cation Transporter 2** *JOURNAL OF PHARMACEUTICAL SCIENCES*
Cheung, K., Hsueh, C., Zhao, P., Meyer, T. W., Zhang, L., Huang, S., Giacomini, K. M.
2017; 106 (9): 2551–57
- **Serum Asymmetric and Symmetric Dimethylarginine and Morbidity and Mortality in Hemodialysis Patients** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Shafi, T., Hostetter, T. H., Meyer, T. W., Hwang, S., Hai, X., Melamed, M. L., Banerjee, T., Coresh, J., Powe, N. R.
2017; 70 (1): 48–58
- **Manipulating the microbiome** *KIDNEY INTERNATIONAL*
Sirich, T. L., Meyer, T. W.
2017; 91 (2): 274–76
- **Vascular Access for Hemodialysis and Value-Based Purchasing for ESRD** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Mehrotra, R., Cheung, A. K., Meyer, T., Nath, K. A.
2017; 28 (2): 395–97
- **Free and total p-cresol sulfate levels and infectious hospitalizations in hemodialysis patients in CHOICE and HEMO** *MEDICINE*
Banerjee, T., Meyer, T. W., Shafi, T., Hostetter, T. H., Melamed, M., Zhu, Y., Powe, N. R.
2017; 96 (6): e5799
- **Limited reduction in uremic solute concentrations with increased dialysis frequency and time in the Frequent Hemodialysis Network Daily Trial.** *Kidney international*
Sirich, T. L., Fong, K., Larive, B., Beck, G. J., Chertow, G. M., Levin, N. W., Klinger, A. S., Plummer, N. S., Meyer, T. W.
2017
- **Trimethylamine N-Oxide and Cardiovascular Events in Hemodialysis Patients** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Shafi, T., Powe, N. R., Meyer, T. W., Hwang, S., Hai, X., Melamed, M. L., Banerjee, T., Coresh, J., Hostetter, T. H.
2017; 28 (1): 321–31
- **Modulation of a Circulating Uremic Solute via Rational Genetic Manipulation of the Gut Microbiota** *CELL HOST & MICROBE*
Devlin, A. S., Marcobal, A., Dodd, D., Nayfach, S., Plummer, N., Meyer, T., Pollard, K. S., Sonnenburg, J. L., Fischbach, M. A.
2016; 20 (6): 709-715
- **Can twice weekly hemodialysis expand patient access under resource constraints?** *Hemodialysis international. International Symposium on Home Hemodialysis*
Savla, D., Chertow, G. M., Meyer, T., Anand, S.
2016
- **Kt/Vurea and Nonurea Small Solute Levels in the Hemodialysis Study.** *Journal of the American Society of Nephrology*
Meyer, T. W., Sirich, T. L., Fong, K. D., Plummer, N. S., Shafi, T., Hwang, S., Banerjee, T., Zhu, Y., Powe, N. R., Hai, X., Hostetter, T. H.
2016; 27 (11): 3469-3478
- **More Dialysis Has Not Proven Much Better.** *Seminars in dialysis*
O'Brien, F. J., Fong, K. D., Sirich, T. L., Meyer, T. W.
2016; 29 (6): 481-490
- **Identification and Quantitative Assessment of Uremic Solutes as Inhibitors of Renal Organic Anion Transporters, OAT1 and OAT3.** *Molecular pharmacology*
Hsueh, C., Yoshida, K., Zhao, P., Meyer, T. W., Zhang, L., Huang, S., Giacomini, K. M.

2016; 13 (9): 3130-3140

- **Effect of a sustained difference in hemodialytic clearance on the plasma levels of p-cresol sulfate and indoxyl sulfate** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Camacho, O., Rosales, M. C., Shafi, T., Fullman, J., Plummer, N. S., Meyer, T. W., Sirich, T. L.
2016; 31 (8): 1335-1341
- **Tubular Secretion in CKD** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Suchy-Dacey, A. M., Laha, T., Hoofnagle, A., Newitt, R., Sirich, T. L., Meyer, T. W., Thummel, K. E., Yanez, N. D., Himmelfarb, J., Weiss, N. S., Kestenbaum, B. R.
2016; 27 (7): 2148-2155
- **Mechanism of Prominent Trimethylamine Oxide (TMAO) Accumulation in Hemodialysis Patients.** *PloS one*
Hai, X., Landeras, V., Dobre, M. A., DeOreo, P., Meyer, T. W., Hostetter, T. H.
2015; 10 (12): e0143731
- **Mechanism of Prominent Trimethylamine Oxide (TMAO) Accumulation in Hemodialysis Patients** *PLOS ONE*
Hai, X., Landeras, V., Dobre, M. A., DeOreo, P., Meyer, T. W., Hostetter, T. H.
2015; 10 (12)
- **An Enlarged Profile of Uremic Solutes** *PLOS ONE*
Tanaka, H., Sirich, T. L., Plummer, N. S., Weaver, D. S., Meyer, T. W.
2015; 10 (8)
- **An Enlarged Profile of Uremic Solutes.** *PloS one*
Tanaka, H., Sirich, T. L., Plummer, N. S., Weaver, D. S., Meyer, T. W.
2015; 10 (8): e0135657
- **Free Levels of Selected Organic Solutes and Cardiovascular Morbidity and Mortality in Hemodialysis Patients: Results from the Retained Organic Solutes and Clinical Outcomes (ROSCO) Investigators** *PLOS ONE*
Shafi, T., Meyer, T. W., Hostetter, T. H., Melamed, M. L., Parekh, R. S., Hwang, S., Banerjee, T., Coresh, J., Powe, N. R.
2015; 10 (5): e0126048
- **Uremic Solutes Produced by Colon Microbes** *BLOOD PURIFICATION*
Tanaka, H., Sirich, T. L., Meyer, T. W.
2015; 40 (4): 306-311
- **The Uremic Syndrome** *CHRONIC RENAL DISEASE*
Dobre, M. A., Meyer, T. W., Hostetter, T. H.
edited by Kimmel, P. L., Rosenberg, M. E.
2015: 83–91
- **Glomerular Effects of Age and APOL1.** *Journal of the American Society of Nephrology : JASN*
Meyer, T. W., Lenihan, C. R.
2015
- **Approaches to Uremia** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Meyer, T. W., Hostetter, T. H.
2014; 25 (10): 2151-2158
- **Effect of Increasing Dietary Fiber on Plasma Levels of Colon-Derived Solutes in Hemodialysis Patients** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Sirich, T. L., Plummer, N. S., Gardner, C. D., Hostetter, T. H., Meyer, T. W.
2014; 9 (9): 1603-1610
- **Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study** *KIDNEY INTERNATIONAL*
Niewczas, M. A., Sirich, T. L., Mathew, A. V., Skupien, J., Mohney, R. P., Warram, J. H., Smiles, A., Huang, X., Walker, W., Byun, J., Karoly, E. D., Kensicki, E. M., Berry, et al
2014; 85 (5): 1214-1224

- **FREE INDOXYL SULFATE (INDICAN) LEVELS ARE NOT ASSOCIATED WITH RESTLESS LEGS SYNDROME (RLS) IN HEMODIALYSIS (HD) PATIENTS**
Banerjee, T., Meyer, T., Shafi, T., Melamed, M., Hostetter, T., Parekh, R., Powe, N.
W B SAUNDERS CO-ELSEVIER INC.2014: A30
- **Prominent Accumulation in Hemodialysis Patients of Solutes Normally Cleared by Tubular Secretion** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Sirich, T. L., Funk, B. A., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2014; 25 (3): 615-622
- **Protein-Bound Molecules: A Large Family With a Bad Character** *SEMINARS IN NEPHROLOGY*
Sirich, T. L., Meyer, T. W., Gondouin, B., Brunet, P., Niwa, T.
2014; 34 (2): 106-117
- **Numerous protein-bound solutes are cleared by the kidney with high efficiency** *KIDNEY INTERNATIONAL*
Sirich, T. L., Aronov, P. A., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2013; 84 (3): 585-590
- **Retained organic solutes, patient characteristics and all-cause and cardiovascular mortality in hemodialysis: results from the retained organic solutes and clinical outcomes (ROSCO) investigators** *BMC NEPHROLOGY*
Melamed, M. L., Plantinga, L., Shafi, T., Parekh, R., Meyer, T. W., Hostetter, T. H., Coresh, J., Powe, N. R.
2013; 14: 134
- **Searching for Uremic Toxins** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Dobre, M., Meyer, T. W., Hostetter, T. H.
2013; 8 (2): 322-327
- **A Zebrafish Model for Uremic Toxicity: Role of the Complement Pathway** *BLOOD PURIFICATION*
Berman, N., Lectura, M., Thurman, J. M., Reinecke, J., Raff, A. C., Melamed, M. L., Quan, Z., Evans, T., Meyer, T. W., Hostetter, T. H.
2013; 35 (4): 265-269
- **Competition for organic anion transporters in chronic renal disease Reply** *KIDNEY INTERNATIONAL*
Meyer, T. W., Hostetter, T. H.
2012; 82 (9): 1033
- **The Production of p-Cresol Sulfate and Indoxyl Sulfate in Vegetarians Versus Omnivores** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Patel, K. P., Luo, F. J., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2012; 7 (6): 982-988
- **Uremic solutes from colon microbes** *KIDNEY INTERNATIONAL*
Meyer, T. W., Hostetter, T. H.
2012; 81 (10): 949-954
- **Selectively increasing the clearance of protein-bound uremic solutes** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Sirich, T. L., Luo, F. J., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2012; 27 (4): 1574-1579
- **The Removal of Protein-Bound Solutes by Dialysis** *JOURNAL OF RENAL NUTRITION*
Meyer, T. W.
2012; 22 (1): 203-206
- **Dialysis Cannot be Dosed** *SEMINARS IN DIALYSIS*
Meyer, T. W., Sirich, T. L., Hostetter, T. H.
2011; 24 (5): 471-479
- **Colonic Contribution to Uremic Solutes** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Aronov, P. A., Luo, F. J., Plummer, N. S., Quan, Z., Holmes, S., Hostetter, T. H., Meyer, T. W.
2011; 22 (9): 1769-1776

- **Contribution of Residual Function to Removal of Protein-Bound Solutes in Hemodialysis** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Marquez, I. O., Tambra, S., Luo, F. Y., Li, Y., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2011; 6 (2): 290-296
- **Indoxyl Sulfate: Long Suspected But Not Yet Proven Guilty** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Sirich, T., Meyer, T. W.
2011; 6 (1): 3-4
- **Reduction in Protein-Bound Solutes Unacceptable as Marker of Dialysis Efficacy during Alternate-Night Nocturnal Hemodialysis** *AMERICAN JOURNAL OF NEPHROLOGY*
Meijers, B., Toussaint, N. D., Meyer, T., Bammens, B., Verbeke, K., Vanrenterghem, Y., Kerr, P. G., Evenepoel, P.
2011; 34 (3): 226-232
- **Anemia Therapy in ESRD: Time to Move On** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Folkert, V. W., Meyer, T. W., Hostetter, T. H.
2010; 5 (7): 1163-64
- **Methylamine clearance by haemodialysis is low** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Ponda, M. P., Quan, Z., Melamed, M. L., Raff, A., Meyer, T. W., Hostetter, T. H.
2010; 25 (5): 1608-1613
- **LOWER GENERATION OF UREMIC SOLUTES P-CRESOL SULFATE AND INDOXYL SULFATE WITH A VEGETARIAN DIET** *Spring Clinical Meeting of the National-Kidney-Foundation*
Luo, F., Patel, K., Plummer, N., Steinberg, L., Hostetter, T., Meyer, T.
W B SAUNDERS CO-ELSEVIER INC.2010: A76-A76
- **Derivatization of Methylamine and Ethylamine Followed by LC and Fluorescence Detection for Measurement of Urinary Clearance** *CHROMATOGRAPHIA*
Quan, Z., Ponda, M., Melamed, M., Raff, A., Berman, N., Scherer, J., Bitzer, M., Meyer, T., Hostetter, T.
2010; 71 (5-6): 411-418
- **Influence of genetic background on albuminuria and kidney injury in Ins2(+IC96Y) (Akita) mice** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
Gurley, S. B., Mach, C. L., Stegbauer, J., Yang, J., Snow, K. P., Hu, A., Meyer, T. W., Coffman, T. M.
2010; 298 (3): F788-F795
- **Chronic Kidney Disease and Cognitive Function in Older Adults: Findings from the Chronic Renal Insufficiency Cohort Cognitive Study** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Yaffe, K., Ackerson, L., Tamura, M. K., Le Blanc, P., Kusek, J. W., Sehgal, A. R., Cohen, D., Anderson, C., Appel, L., DeSalvo, K., Ojo, A., Seliger, S., Robinson, et al
2010; 58 (2): 338-345
- **p-Cresol Sulfate: Further Understanding of Its Cardiovascular Disease Potential in CKD** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Winchester, J. F., Hostetter, T. H., Meyer, T. W.
2009; 54 (5): 792-94
- **A MULTICENTER RCT OF DECEASED ORGAN DONOR PRE-TREATMENT WITH CORTICOSTEROIDS: RISK FACTORS FOR ARF IN STEROID PRE-TREATED DONORS**
Wilflingseder, J., Kainz, A., Mitterbauer, C., Gyoeri, G., Perco, P., Meyer, T., Mayer, B., Langer, R., Oberbauer, R.
WILEY-BLACKWELL.2009: 181
- **Effect of Increasing Dialyzer Mass Transfer Area Coefficient and Dialysate Flow on Clearance of Protein-Bound Solutes: A Pilot Crossover Trial** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Luo, F. J., Patel, K. P., Marquez, I. O., Plummer, N. S., Hostetter, T. H., Meyer, T. W.
2009; 53 (6): 1042-1049
- **Sodium octanoate to reverse indoxyl sulfate and p-cresyl sulfate albumin binding in uremic and normal serum during sample preparation followed by fluorescence liquid chromatography** *JOURNAL OF CHROMATOGRAPHY A*
de Loor, H., Meijers, B. K., Meyer, T. W., Bammens, B., Verbeke, K., Dehaen, W., Evenepoel, P.
2009; 1216 (22): 4684-4688

- **New insights into uremic toxicity** *CURRENT OPINION IN NEPHROLOGY AND HYPERTENSION*
Raff, A. C., Meyer, T. W., Hostetter, T. H.
2008; 17 (6): 560-565
- **Coated carbon hemoperfusion provides limited clearance of protein-bound solutes** *ARTIFICIAL ORGANS*
Dinh, D. C., Recht, N. S., Hostetter, T. H., Meyer, T. W.
2008; 32 (9): 717-724
- **Relationship of impaired olfactory function in ESRD to malnutrition and retained uremic molecules** *40th Annual Meeting of the American-Society-of-Nephrology/Annual Renal Week*
Raff, A. C., Lieu, S., Melamed, M. L., Quan, Z., Ponda, M., Meyer, T. W., Hostetter, T. H.
W B SAUNDERS CO-ELSEVIER INC.2008: 102-10
- **Increasing the clearance of protein-bound solutes by increasing dialyzer mass transfer area coefficient (K(o)A) and dialysate flow (Q(d))** *Spring Clinical Meeting of the National-Kidney-Foundation*
Lao, F., Patel, K., Recht, N., Meyer, T.
W B SAUNDERS CO-ELSEVIER INC.2008: A64-A64
- **Uremia - Reply** *NEW ENGLAND JOURNAL OF MEDICINE*
Meyer, T. W., Hostetter, T. H.
2008; 358 (1): 95
- **Removal of the protein-bound solutes indican and p-cresol sulfate by peritoneal dialysis** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Pham, N. M., Recht, N. S., Hostetter, T. H., Meyer, T. W.
2008; 3 (1): 85-90
- **Uremia** *NEW ENGLAND JOURNAL OF MEDICINE*
Meyer, T. W., Hostetter, T. H.
2007; 357 (13): 1316-1325
- **Increasing the clearance of protein-bound solutes by addition of a sorbent to the dialysate** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Meyer, T. W., Peattie, J. W., Miller, J. D., Dinh, D. C., Recht, N. S., Walther, J. L., Hostetter, T. H.
2007; 18 (3): 868-874
- **Transcriptome analysis of human renal tubule cells indicates significant alterations between proteinuric nephropathies and healthy controls at early stages of kidney disease**
Rudnicki, M., Eder, S., Perco, P., Enrich, J., Scheiber, K., Koppelstaetter, C., Schratzberger, G., Mayer, B., Oberbauer, R., Meyer, T., Mayer, G.
OXFORD UNIV PRESS.2006: 12
- **More work to do on renin-angiotensin system blockade** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Lit, Y. Z., Meyer, T. W.
2006; 1 (4): 611-13
- **Managing diabetic nephropathy: recent studies** *CURRENT OPINION IN NEPHROLOGY AND HYPERTENSION*
Lit, Y. M., Meyer, T.
2006; 15 (2): 111-116
- **Downloadable computer models for renal replacement therapy** *KIDNEY INTERNATIONAL*
Walther, J. L., Bartlett, D. W., Chew, W., Robertson, C. R., Hostetter, T. H., Meyer, T. W.
2006; 69 (6): 1056-1063
- **Impact of genetic background on nephropathy in diabetic mice** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
Gurley, S. B., Clare, S. E., Snow, K. P., Hu, A., Meyer, T. W., Coffman, T. M.
2006; 290 (1): F214-F222
- **Transcriptional response in the unaffected kidney after contralateral hydronephrosis or nephrectomy** *KIDNEY INTERNATIONAL*
Hauser, P., Kainz, A., Perco, P., Bergmeister, H., Mitterbauer, C., Schwarz, C., Regele, H. M., Mayer, B., Meyer, T. W., Oberbauer, R.
2005; 68 (6): 2497-2507

- **Removal of p-cresol sulfate by hemodialysis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Martinez, A. W., Recht, N. S., Hostetter, T. H., Meyer, T. W.
2005; 16 (11): 3430-3436
- **The clearance of protein-bound solutes by hemofiltration and hemodiafiltration** *KIDNEY INTERNATIONAL*
Meyer, T. W., Walther, J. L., Pagtalunan, M. E., Martinez, A. W., Torkamani, A., Fong, P. D., Recht, N. S., Robertson, C. R., Hostetter, T. H.
2005; 68 (2): 867-877
- **Alterations in gene expression in cadaveric vs. live donor kidneys suggest impaired tubular counterbalance of oxidative stress at implantation** *AMERICAN JOURNAL OF TRANSPLANTATION*
Kainz, A., Mitterbauer, C., Hauser, P., Schwarz, C., Regele, H. M., Berlakovich, G., Mayer, G., Perco, P., Mayer, B., Meyer, T. W., Oberbauer, R.
2004; 4 (10): 1595-1604
- **Increasing dialysate flow and dialyzer mass transfer area coefficient to increase the clearance of protein-bound solutes** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Meyer, T. W., Leeper, E. C., Bartlett, D. W., Depner, T. A., Lit, Y. Z., Robertson, C. R., Hostetter, T. H.
2004; 15 (7): 1927-1935
- **Genome-wide gene-expression patterns of donor kidney biopsies distinguish primary allograft function** *LABORATORY INVESTIGATION*
Hauser, P., Schwarz, C., Mitterbauer, C., Regele, H. M., Muhlbacher, F., Mayer, G., Perco, P., Mayer, B., Meyer, T. W., Oberbauer, R.
2004; 84 (3): 353-361
- **Reliability of T7-based mRNA linear amplification validated by gene expression analysis of human kidney cells using cDNA microarrays** *NEPHRON EXPERIMENTAL NEPHROLOGY*
Rudnicki, M., Eder, S., Schratzberger, G., Mayer, B., Meyer, T., Tonko, M., Mayer, G.
2004; 97 (3): 86-95
- **Effect of biocompatible and -incompatible membranes on neutrophils using cDNA microarray technology.**
Hochegger, K., Eder, S., Rudnicki, M. A., Mayer, B., Meyer, T. W., Mayer, G., Rosenkranz, A. R.
LIPPINCOTT WILLIAMS & WILKINS.2003: 727A
- **Strain-specific differences in streptozotocin-induced diabetes in the mouse.**
Gurley, S. B., Clare, S. E., Meyer, T. W., Coffman, T. M.
LIPPINCOTT WILLIAMS & WILKINS.2003: 595A
- **Tubular injury in glomerular disease** *KIDNEY INTERNATIONAL*
Meyer, T. W.
2003; 63 (2): 774-787
- **Genome wide gene expression pattern of donor kidney biopsies distinguish primary allograft function.**
Hauser, P., Schwarz, C., Regele, H. M., Mayer, G., Mayer, B., Lukas, A., Meyer, T. W., Oberbauer, R.
AMER SOC NEPHROLOGY.2002: 359A-360A
- **RNA-amplification for gene-expression profiling of microdissected renal tubular epithelial cells (RTEC).**
Rudnicki, M. A., Schratzberger, G., Meyer, T. W., Oberbauer, R., Mayer, G.
AMER SOC NEPHROLOGY.2002: 125A
- **Renal structural abnormalities following recovery from acute puromycin nephrosis** *KIDNEY INTERNATIONAL*
Rasch, R., Nyengaard, Marcussen, N., Meyer, T. W.
2002; 62 (2): 496-506
- **Effects of antihypertensive therapy on intrarenal angiotensin and bradykinin levels in experimental renal insufficiency** *KIDNEY INTERNATIONAL*
Mackie, F. E., Meyer, T. W., Campbell, D. J.
2002; 61 (2): 555-563
- **Regulation of renal tubular cell apoptosis and proliferation after ischemic injury to a solitary kidney** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Oberbauer, R., Schwarz, C., Regele, H. M., Hansmann, C., Meyer, T. W., Mayer, G.
2001; 138 (5): 343-51

- **Glomerular injury and tubular loss in adriamycin nephrosis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Javaid, B., Olson, J. L., Meyer, T. W.
2001; 12 (7): 1391-1400
- **Intrarenal angiotensin and bradykinin peptide levels in the remnant kidney model of renal insufficiency** *KIDNEY INTERNATIONAL*
Mackie, F. E., Campbell, D. J., Meyer, T. W.
2001; 59 (4): 1458-1465
- **Hemodynamic effects of angiotensin II in the kidney** *RENIN-ANGIOTENSIN SYSTEM AND PROGRESSION OF RENAL DISEASES*
Toke, A., Meyer, T. W.
2001; 135: 34-46
- **Effect of angiotensin II blockade on renal injury in mineralocorticoid-salt hypertension** *HYPERTENSION*
Sorooshian, M., Olson, J. L., Meyer, T. W.
2000; 36 (4): 569-574
- **Evolution of incipient nephropathy in type 2 diabetes mellitus** *31st Annual Meeting of the American-Society-of-Nephrology*
Lemley, K. V., Abdullah, I., Myers, B. D., Meyer, T. W., Blouch, K., Smith, W. E., Bennett, P. H., Nelson, R. G.
NATURE PUBLISHING GROUP.2000: 1228-37
- **Podocyte loss characterizes incipient nephropathy in Pima Indians with type 2 diabetes mellitus**
Nelson, R. G., Lemley, K. V., Smith, W. E., Meyer, T. W., Bennett, P. H., Myers, B. D.
SPRINGER.2000: A26-A26
- **Contribution of angiotensin II to late renal injury after acute ischemia** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Pagtalunan, M. E., Olson, J. L., Meyer, T. W.
2000; 11 (7): 1278-1286
- **Methods for estimating the volume of individual glomeruli** *KIDNEY INTERNATIONAL*
Pagtalunan, M. E., Drachman, J. A., Meyer, T. W.
2000; 57 (6): 2644-2649
- **Transplant glomerulopathy as a cause of late graft loss** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Suri, D. L., Tomlanovich, S. J., Olson, J. L., Meyer, T. W.
2000; 35 (4): 674-680
- **Podocyte number predicts long-term urinary albumin excretion in Pima Indians with Type II diabetes and microalbuminuria** *DIABETOLOGIA*
Meyer, T. W., Bennett, P. H., Nelson, R. G.
1999; 42 (11): 1341-1344
- **Effects of eprosartan on glomerular injury in rats with reduced renal mass** *PHARMACOLOGY*
Gandhi, M., Meyer, T. W., Brooks, D. P.
1999; 59 (2): 89-94
- **Influence of donor factors on early function of graft kidneys** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Suri, D., Meyer, T. W.
1999; 10 (6): 1317-1323
- **Late consequences of acute ischemic injury to a solitary kidney** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Pagtalunan, M. E., Olson, J. L., Tilney, N. L., Meyer, T. W.
1999; 10 (2): 366-373
- **Contribution of tubular injury to loss of remnant kidney function** *KIDNEY INTERNATIONAL*
Gandhi, M., Olson, J. L., Meyer, T. W.
1998; 54 (4): 1157-1165
- **Natriuretic effect of adenosine A(1)-receptor blockade in rats** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Oberbauer, R., Schreiner, G. F., Meyer, T. W.
1998; 13 (4): 900-903

- **Course of renal disease in Pima Indians with non-insulin-dependent diabetes mellitus** *Symposium on Progression of Renal Disease - Clinical Patterns, Therapeutic Options and What We Have Learned from Clinical Trials*
Nelson, R. G., Meyer, T. W., Myers, B. D., Bennett, P. H.
NATURE PUBLISHING GROUP.1997: S45–S48
- **Podocyte loss and progressive glomerular injury in type II diabetes** *JOURNAL OF CLINICAL INVESTIGATION*
Pagtalunan, M. E., Miller, P. L., JUMPINGEAGLE, S., Nelson, R. G., Myers, B. D., Rennke, H. G., Coplton, N. S., Sun, L. M., Meyer, T. W.
1997; 99 (2): 342-348
- **In vivo suppression of the renal Na⁺/P⁻ⁱ cotransporter by antisense oligonucleotides** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Oberbauer, R., Schreiner, G. F., Biber, J., Murer, H., Meyer, T. W.
1996; 93 (10): 4903–6
- **Atubular glomeruli in patients with chronic allograft rejection** *TRANSPLANTATION*
Pagtalunan, M. E., Oberbauer, R., Haas, M., Barlan, M., Mayer, G., Olson, J. L., Meyer, T. W.
1996; 61 (8): 1166–71
- **RENAL UPTAKE OF AN 18-MER PHOSPHOROTHIOATE OLIGONUCLEOTIDE** *KIDNEY INTERNATIONAL*
OBERBAUER, R., SCHREINER, G. F., MEYER, T. W.
1995; 48 (4): 1226–32
- **TUBULOINTERSTITIAL INJURY AND IMPAIRED RENAL-FUNCTION AFTER RECOVERY FROM ACUTE PUROMYCIN NEPHROSIS** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL FLUID AND ELECTROLYTE PHYSIOLOGY*
BABOOLAL, K., MEYER, T. W.
1995; 269 (3): F331–F338
- **ENDOTHELIAL-CELL INJURY INITIATES GLOMERULAR SCLEROSIS IN THE RAT REMNANT KIDNEY** *JOURNAL OF CLINICAL INVESTIGATION*
Lee, L. K., Meyer, T. W., Pollock, A. S., Lovett, D. H.
1995; 96 (2): 953-964
- **THE EFFECT OF HYPERGLYCEMIA ON GLOMERULAR FUNCTION IN OBESE ZUCKER RATS** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
PARK, S. K., MEYER, T. W.
1995; 125 (4): 501–7
- **MORPHOMETRIC ANALYSIS OF EFFECTS OF ANGIOTENSIN-II ON GLOMERULAR STRUCTURE IN RATS** *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
Pagtalunan, M. E., Rasch, R., Rennke, H. G., Meyer, T. W.
1995; 268 (1): F82-F88
- **THE EFFECT OF ACUTE ANGIOTENSIN-II BLOCKADE ON RENAL-FUNCTION IN RATS WITH REDUCED RENAL MASS** *KIDNEY INTERNATIONAL*
BABOOLAL, K., MEYER, T. W.
1994; 46 (4): 980–85
- **GLOMERULAR-PERMEABILITY BARRIER IN THE RAT - FUNCTIONAL ASSESSMENT BY IN-VITRO METHODS** *JOURNAL OF CLINICAL INVESTIGATION*
DANIELS, B. S., DEEN, W. M., MAYER, G., MEYER, T., HOSTETTER, T. H.
1993; 92 (2): 929–36
- **THE EFFECTS OF BLOOD-PRESSURE REDUCTION ON CYCLOSPORINE NEPHROTOXICITY IN THE RAT** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Lafayette, R. A., Mayer, G., Meyer, T. W.
1993; 3 (12): 1892-1899
- **45 YEAR FOLLOW-UP AFTER UNINEPHRECTOMY** *KIDNEY INTERNATIONAL*
NARKUNBURGESS, D. M., NOLAN, C. R., NORMAN, J. E., PAGE, W. F., MILLER, P. L., MEYER, T. W.
1993; 43 (5): 1110–15

- **EFFECTS OF ANGIOTENSIN-II RECEPTOR BLOCKADE ON REMNANT GLOMERULAR PERMSELECTIVITY** *KIDNEY INTERNATIONAL*
Mayer, G., Lafayette, R. A., Oliver, J., Deen, W. M., Myers, B. D., Meyer, T. W.
1993; 43 (2): 346-353
- **THE EFFECTS OF FRUCTOSE FEEDING ON GLOMERULAR STRUCTURE IN THE RAT** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
PARK, S. K., MEYER, T. W.
1992; 3 (6): 1330-32
- **MORE LESSONS FROM THE REMNANT KIDNEY** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
MEYER, T. W.
1992; 120 (6): 814-15
- **ANGIOTENSIN-II RECEPTOR BLOCKADE LIMITS GLOMERULAR INJURY IN RATS WITH REDUCED RENAL MASS** *JOURNAL OF CLINICAL INVESTIGATION*
Lafayette, R. A., Mayer, G., Park, S. K., Meyer, T. W.
1992; 90 (3): 766-771
- **CALMODULIN TRAPPING BY CALCIUM-CALMODULIN DEPENDENT PROTEIN-KINASE** *SCIENCE*
Meyer, T., Hanson, P. I., Stryer, L., Schulman, H.
1992; 256 (5060): 1199-1202
- **GLOMERULAR HYPERTROPHY ACCELERATES HYPERTENSIVE GLOMERULAR INJURY IN RATS** *AMERICAN JOURNAL OF PHYSIOLOGY*
Miller, P. L., Rennke, H. G., Meyer, T. W.
1991; 261 (3): F459-F465
- **Effects of tissue preparation on glomerular volume and capillary structure in the rat.** *Laboratory investigation; a journal of technical methods and pathology*
Miller, P. L., Meyer, T. W.
1990; 63 (6): 862-866
- **CONVERTING ENZYME-INHIBITION AND GLOMERULAR SIZE SELECTIVITY IN DIABETIC NEPHROPATHY** *SATELLITE SYMP OF THE 1989 ANNUAL MEETING OF THE AMERICAN SOC OF NEPHROLOGY*
Meyer, T. W., Morelli, E., LOON, N., Peters, W., Myers, B. D.
WILLIAMS & WILKINS.1990: S64-S68
- **REVERSAL OF GLOMERULAR HYPERFILTRATION AND RENAL HYPERTROPHY BY BLOOD-GLUCOSE NORMALIZATION IN DIABETIC RATS** *DIABETES*
Stackhouse, S., Miller, P. L., Park, S. K., Meyer, T. W.
1990; 39 (8): 989-995
- **HYPERTENSION AND PROGRESSIVE GLOMERULAR INJURY CAUSED BY FOCAL GLOMERULAR ISCHEMIA** *AMERICAN JOURNAL OF PHYSIOLOGY*
Miller, P. L., Rennke, H. G., Meyer, T. W.
1990; 259 (2): F239-F245
- **MECHANISMS OF PROTEINURIA IN DIABETIC RENAL-DISEASE** *SEMINARS IN NEPHROLOGY*
Meyer, T. W.
1990; 10 (3): 194-202
- **GLOMERULAR HYPERTROPHY AGGRAVATES EPITHELIAL-CELL INJURY IN NEPHROTIC RATS** *JOURNAL OF CLINICAL INVESTIGATION*
Miller, P. L., Scholey, J. W., Rennke, H. G., Meyer, T. W.
1990; 85 (4): 1119-1126
- **EFFECTS OF CONVERTING-ENZYME INHIBITION ON BARRIER FUNCTION IN DIABETIC GLOMERULOPATHY** *DIABETES*
Morelli, E., LOON, N., Meyer, T., Peters, W., Myers, B. D.
1990; 39 (1): 76-82
- **ANGIOTENSIN-CONVERTING ENZYME-INHIBITORS IN THE TREATMENT OF DIABETIC GLOMERULOPATHY** *SATELLITE SYMP ON ACE INHIBITORS AND THE KIDNEY*
Myers, B. D., Meyer, T. W.

KARGER. 1990: 27-29

- **ANGIOTENSIN-CONVERTING ENZYME-INHIBITORS IN THE PREVENTION OF EXPERIMENTAL DIABETIC GLOMERULOPATHY** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Myers, B. D., Meyer, T. W.
1989; 13 (1): 20-24
- **INCREASED SINGLE-NEPHRON PROTEIN EXCRETION AFTER RENAL ABLATION IN NEPHROTIC RATS** *AMERICAN JOURNAL OF PHYSIOLOGY*
Meyer, T. W., Rennke, H. G.
1988; 255 (6): F1243-F1248
- **PLASMA-PROTEIN CONCENTRATION AND COLLOID OSMOTIC-PRESSURE IN NEPHROTIC RATS** *KIDNEY INTERNATIONAL*
Miller, P. L., Meyer, T. W.
1988; 34 (2): 220-223
- **PROGRESSIVE GLOMERULAR INJURY AFTER LIMITED RENAL INFARCTION IN THE RAT** *AMERICAN JOURNAL OF PHYSIOLOGY*
Meyer, T. W., Rennke, H. G.
1988; 254 (6): F856-F862