



Tara I. Chang

Stanford University Professor of Nephrology
Medicine - Nephrology

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- **Kidney Clinic**

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ACADEMIC CONTACT INFORMATION

- **Administrative Operations Coordinator**

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Bio

BIO

Tara Chang, MD, MS is a board-certified nephrologist who enjoys taking care of patients with all types of kidney diseases. She is also a certified Hypertension Specialist, and has a particular interest in treating patients with high blood pressure. In addition to her patient care duties, Dr. Chang maintains an active clinical research program, which focuses on studying cardiovascular disease in patients with chronic kidney disease. She has received grant funding from the National Institutes of Health and the American Heart Association.

Dr. Chang speaks conversational Mandarin. She enjoys jogging, yoga, and spending time with her husband, son and twin daughters.

CLINICAL FOCUS

- Nephrology
- hypertension
- chronic kidney disease
- dialysis

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Nephrology
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Division Chief, Stanford Division of Nephrology, (2021- present)
- Director of Clinical Research, Stanford Division of Nephrology, (2016-2021)

PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2020)
- Board Certification: Nephrology, American Board of Internal Medicine (2020)

- Residency: University of California San Francisco Internal Medicine Residency (2006) CA
- Fellowship: Stanford University Division of Nephrology (2009) CA
- Medical Education: University of Michigan Health System (2003) MI

LINKS

- Stanford Nephrology Clinical Research: <https://med.stanford.edu/nephrology/research/clinical-research.html>
- Stanford Nephrology: <https://med.stanford.edu/nephrology.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

As a board-certified nephrologist, I see first-hand the pervasiveness of cardiovascular disease in patients with chronic kidney disease (CKD). As a trained epidemiologist and clinical researcher, I also see the lack of evidence available to guide treatment decision-making in CKD. Motivated by these evidence gaps, my research seeks to clarify questions about cardiovascular care in patients with CKD. My research specifically focuses on issues such as blood pressure control, coronary revascularization, and the comparative effectiveness of cardioprotective medications in patients with CKD, with the long-term goal of improving outcomes in these high-risk patients.

CLINICAL TRIALS

- Comparing Diuretic Strategies in Hospitalized Heart Failure, Not Specified

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Ali Etemadi

Publications

PUBLICATIONS

- **To Treat or Not to Treat? Watchful Waiting or Oral Antihypertensives for Asymptomatic Inpatient Hypertension.** *The New England journal of medicine*
Gorey, S., Rothberg, M., Chang, T. I.
2025; 393 (20): 2051-2053
- **The Management of Elevated Blood Pressure in the Acute Care Setting: A Scientific Statement From the American Heart Association** *HYPERTENSION*
Bress, A. P., Anderson, T. S., Flack, J. M., Ghazi, L., Hall, M. E., Laffer, C. L., Still, C. H., Taler, S. J., Zachrison, K. S., Chang, T. I., Amer Heart Assoc Council Hypertension, Council Cardiovasc Stroke Nursing, Council Clinical Cardiol
2024; 81 (8): e94-e106
- **Management of Blood Pressure in Patients With Chronic Kidney Disease Not Receiving Dialysis: Synopsis of the 2021 KDIGO Clinical Practice Guideline.** *Annals of internal medicine*
Tomson, C. R., Cheung, A. K., Mann, J. F., Chang, T. I., Cushman, W. C., Furth, S. L., Hou, F. F., Knoll, G. A., Muntner, P., Pecoits-Filho, R., Tobe, S. W., Lytvyn, L., Craig, et al
2021
- **Balancing Days at Home and Major Adverse Limb Events After Surgical Versus Endovascular Lower-Extremity Revascularization in Chronic Kidney Disease.** *Journal of the American Heart Association*
Chang, T. I., Parvathinathan, G., Liu, S., Lee, J. Y., Etemadi, A., Arya, S., Stedman, M. R.
2026: e048230

- **Nondialyzable versus Dialyzable Beta-Blockers in Hemodialysis: A Target Trial Emulation Study.** *Journal of the American Society of Nephrology : JASN*
Etemadi, A., Liu, S., Winkelmayer, W. C., Montez-Rath, M. E., Chang, T. I.
2026
- **SAFETY AND EFFECTIVENESS OF APIXABAN VERSUS WARFARIN IN PERITONEAL DIALYSIS PATIENTS WITH NEWLY DIAGNOSED NONVALVULAR ATRIAL FIBRILLATION**
He, M., Niu, J., Kassem, H., Erickson, K., Chang, T., Winkelmayer, W.
W B SAUNDERS CO-ELSEVIER INC.2026: S108
- **In Reply to: "Unmasking the Survival Benefit: Vascular Fragility and Selection Bias in Dialysis Anticoagulation" and "Apixaban Initiation in Hemodialysis Patients With Newly Diagnosed Atrial Fibrillation".** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Winkelmayer, W. C., Chang, T. I.
2026
- **Pros and cons of lower blood pressure targets in chronic kidney disease.** *Current opinion in nephrology and hypertension*
Hernandez, M. F., Chang, T. I.
2025
- **Effectiveness and Safety of Apixaban Initiation Following Newly-Diagnosed Atrial Fibrillation in Patients With Kidney Failure on Hemodialysis.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Winkelmayer, W. C., Erickson, K. F., Khairallah, P., He, M., Montez-Rath, M. E., Chang, T. I., Niu, J.
2025
- **Kidney Denervation: Latest Breakthroughs and Insights.** *Clinical journal of the American Society of Nephrology : CJASN*
Bahrainwala, J. Z., Etemadi, A., Chang, T. I.
2025
- **Acute elevated blood pressure in the inpatient setting.** *Heart (British Cardiac Society)*
Etemadi, A., Kumar, P., Anderson, T. S., Chang, T. I.
2025
- **Hypertension Control Among Participants with Chronic Kidney Disease in the <i>All of Us</i> Research Program**
Bohart, I., Chang, T., Lunn, M.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Association between Parathyroid Hormone Concentration and Incident Atrial Fibrillation in Older Persons with Kidney Failure Initiating Dialysis.** *American journal of nephrology*
Khairallah, P., Liu, S., Montez-Rath, M. E., Erickson, K. F., Chang, T. I., Winkelmayer, W. C.
2025: 1-11
- **Identifying peripheral artery disease in persons with and without chronic kidney disease from electronic health records.** *Vascular medicine (London, England)*
Parsons, G. R., Parvathinathan, G., Etemadi, A., Liu, S., Ross, E., Jones, W. S., Stedman, M. R., Chang, T. I.
2025: 1358863X251322182
- **Oral Anticoagulant Initiation in Patients With Kidney Failure on Hemodialysis Newly Diagnosed With Atrial Fibrillation (2007-2020): An Observational Study of Trends and Disparities.** *Kidney medicine*
Winkelmayer, W. C., Hu, A., Khairallah, P., Airy, M., Erickson, K. F., Chang, T. I., Niu, J.
2025; 7 (2): 100926
- **SPRINT Treatment Among Adults With Chronic Kidney Disease From 2 Large Health Care Systems.** *JAMA network open*
Kurella Tamura, M., Huang, M., An, J., Zhou, M., Niu, F., Sim, J. J., Pajewski, N. M., Gaussoin, S. A., Li, J., Odden, M. C., Chang, T. I., Charu, V., Montez-Rath, et al
2025; 8 (1): e2453458
- **In-Center Hemodialysis Symptom Burden: Differences Between Men and Women** *KIDNEY MEDICINE*
Parsons, G., Liu, S., Chang, T. I.
2024; 6 (10)

- **Effectiveness and Safety of Apixaban Initiation following Newly Diagnosed Atrial Fibrillation in Patients with Kidney Failure on Hemodialysis**
Winkelmayer, W. C., Chang, T. I., Erickson, K. F., Niu Jingbo
AMER SOC NEPHROLOGY.2024
- **Identifying Peripheral Artery Disease in Persons with and without CKD from Electronic Health Records**
Parsons, G., Parvathinathan, G., Stedman, M. R., Chang, T. I.
AMER SOC NEPHROLOGY.2024
- **In-Center Hemodialysis Symptom Burden: Differences Between Men and Women.** *Kidney medicine*
Parsons, G., Liu, S., Chang, T. I.
2024; 6 (10): 100881
- **The Legacy Effect of Intensive versus Standard Blood Pressure Control on the Incidence of Dialysis or Kidney Transplantation.** *Journal of the American Society of Nephrology : JASN*
Pajewski, N. M., Beddhu, S., Bress, A. P., Chang, T. I., Chertow, G. M., Cheung, A. K., Cushman, W. C., Freedman, B. I., Greene, T., Johnson, K. C., Jaeger, B. C., Tamura, M. K., Lewis, et al
2024
- **Revisiting Antioxidants in CKD: Still No Consensus.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Etemadi, A., Chang, T. I.
2024
- **Revisiting Hypertension Treatment in Patients With Chronic Kidney Disease.** *Seminars in nephrology*
Hernandez, M. F., Chang, T. I.
2024: 151514
- **Intradialytic Hypotension and Mortality in Adolescents and Young Adults With Kidney Failure Receiving Maintenance Hemodialysis.** *Kidney medicine*
Zhao, X., Chang, T. I., Winkelmayer, W. C., Long, J., Liu, S., Marsenic, O.
2024; 6 (2): 100773
- **Design and Implementation of an Electronic Health Record-Integrated Hypertension Management Application.** *Journal of the American Heart Association*
Funes Hernandez, M., Babakhanian, M., Chen, T. P., Sarraju, A., Seninger, C., Ravi, V., Azizi, Z., Tooley, J., Chang, T. I., Lu, Y., Downing, N. L., Rodriguez, F., Li, et al
2024; 13 (2): e030884
- **Preoperative Proteinuria is Independently Associated with Mortality after Fenestrated Endovascular Aneurysm Repair.** *Journal of vascular surgery*
Dossabhoy, S. S., Fisher, A. T., Chang, T. I., Owens, D. K., Arya, S., Stern, J. R., Lee, J. T.
2024
- **Dialysis Modality, Transplant Characteristics, and Incident Atrial Fibrillation After Kidney Transplant: An Observational Study Using USRDS Data.** *Kidney medicine*
Garcia, L. P., Liu, S., Lenihan, C. R., Montez-Rath, M. E., Chang, T. I., Winkelmayer, W. C., Khairallah, P.
2024; 6 (1): 100741
- **Endovascular versus Surgical Lower Extremity Revascularization among Patients with Chronic Kidney Disease.** *International journal of nephrology*
Chen, Q., Han, J., Parvathinathan, G., Ross, E., Stedman, M. R., Chang, T. I.
2023; 2023: 5586060
- **Preoperative Proteinuria Independently Predicts Mortality After Fenestrated Endovascular Aneurysm Repair**
Dossabhoy, S. S., Fisher, A. T., Chang, T. I., Stern, J. R., Lee, J. T.
MOSBY-ELSEVIER.2023: E14
- **Canagliflozin, Blood Pressure Variability, and Risk of Cardiovascular, Kidney, and Mortality Outcomes: Pooled Individual Participant Data From the CANVAS and CREDENCE Trials.** *Journal of the American Heart Association*
Fletcher, R. A., Arnott, C., Rockenschaub, P., Schutte, A. E., Carpenter, L., Vaduganathan, M., Agarwal, R., Bakris, G., Chang, T. I., Heerspink, H. J., Jardine, M. J., Mahaffey, K. W., Neal, et al

2023: e028516

- **Role of Finerenone in Contemporary Clinical Care for Diabetic Kidney Disease.** *Clinical journal of the American Society of Nephrology : CJASN*
Yu, M. K., Chang, T. I.
2023
- **Kidney and Cardiovascular Effects of Canagliflozin According to Age and Sex: A Post Hoc Analysis of the CREDESCENCE Randomized Clinical Trial.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Yi, T. W., Smyth, B., Di Tanna, G. L., Arnott, C., Cardoza, K., Kang, A., Pollock, C., Agarwal, R., Bakris, G., Charytan, D. M., de Zeeuw, D., Heerspink, H. J., Neal, et al
2023
- **Midodrine Is an Effective Therapy for Resistant Intradialytic Hypotension: COMMENTARY.** *Kidney360*
Kim, J. P., Chang, T. I.
2023; 4 (3): 306-307
- **Associations of Serum and Dialysate Potassium Concentrations With Incident Atrial Fibrillation in a Cohort Study of Older US Persons Initiating Hemodialysis for Kidney Failure.** *Kidney international reports*
Hu, A., Liu, S., Montez-Rath, M. E., Khairallah, P., Niu, J., Turakhia, M. P., Chang, T. I., Winkelmayer, W. C.
2023; 8 (2): 305-316
- **The Need to Reduce Variability in the Study of Blood Pressure Variability.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Hernandez, M. F., Chang, T. I.
2023
- **International Consensus on Standardized Clinic Blood Pressure Measurement - A Call to Action.** *The American journal of medicine*
Cheung, A. K., Whelton, P. K., Muntner, P., Schutte, A. E., Moran, A. E., Williams, B., Sarafidis, P., Chang, T. I., Daskalopoulou, S. S., Flack, J. M., Jennings, G., Juraschek, S. P., Kreutz, et al
2023
- **Antihypertensive Medication Regimens Used in the Systolic Blood Pressure Intervention Trial.** *Hypertension (Dallas, Tex. : 1979)*
Derington, C. G., Bress, A. P., Moran, A. E., Weintraub, W. S., Herrick, J. S., Cushman, W. C., Kronish, I. M., Stults, B., Shimbo, D., Muntner, P., Greene, T., Bates, J. T., Chang, et al
2022
- **Association Between Preoperative Hemodialysis Timing and Postoperative Mortality in Patients With End-stage Kidney Disease.** *JAMA*
Fielding-Singh, V., Vanneman, M. W., Grogan, T., Neelankavil, J. P., Winkelmayer, W. C., Chang, T. I., Liu, V. X., Lin, E.
2022
- **Intradialytic Hypotension and Mortality in Children and Young Adults**
Zhao, X., Chang, T. I., Winkelmayer, W. C., Marsenic, O.
AMER SOC NEPHROLOGY.2022: 10
- **Cardiovascular and Renal Outcomes with Finerenone, a Selective Mineralocorticoid Receptor Antagonist.** *Cardiology and therapy*
Palanisamy, S., Funes Hernandez, M., Chang, T. I., Mahaffey, K. W.
2022
- **Response to "Diagnosis and Treatment of Arterial Hypertension 2021".** *Kidney international*
Ix, J. H., Thomson, C. R., Cheung, A. K., Mann, J. F., Cushman, W. C., Cheung, M., Chang, T. I.
2022
- **Timing of Antihypertensive Medications on Key Outcomes in Hemodialysis: A Cluster Randomized Trial.** *Kidney360*
Chang, T. I., Tatoian, E. T., Montez-Rath, M. E., Chertow, G. M.
2021; 2 (11): 1752-1760
- **Optimizing Renin-Angiotensin System Inhibitor Use in CKD.** *Clinical journal of the American Society of Nephrology : CJASN*
Chang, T., Lerma, E.
2021
- **Contributions of Systolic and Diastolic Blood Pressures to Cardiovascular Outcomes in the ALLHAT Study.** *Journal of the American College of Cardiology*

- Itoga, N. K., Tawfik, D. S., Montez-Rath, M. E., Chang, T. I.
2021; 78 (17): 1671-1678
- **Blood Pressure Variability - Not to Be Discounted.** *American journal of hypertension*
Wang, K. M., Chang, T. I.
2021
 - **Associations of Serum and Dialysate Potassium Concentrations with Incident Atrial Fibrillation in Older US Persons Initiating Hemodialysis for Kidney Failure**
Hu, A., Liu, S., Montez-Rath, M. E., Khairallah, P., Niu, J., Chang, T. I., Winkelmayr, W. C.
AMER SOC NEPHROLOGY.2021: 304-305
 - **Feasibility Of An Asynchronous, Semi-Automated Remote Patient Monitoring Blood Pressure Management System**
Sarraj, A., Babakhanian, M., Szeto, I., Seninger, C., Chang, T., Bhalla, V., Downing, L., Rodriguez, F., Turakhia, M., Wang, P. J.
LIPPINCOTT WILLIAMS & WILKINS.2021
 - **KDIGO (Kidney Disease: Improving Global Outcomes) Guideline Update On The Management Of Blood Pressure In Chronic Kidney Disease: What's New And What's Different From Other Guidelines**
Cheung, A., Chang, T., Cushman, W., Furth, S., Hou, F., Ix, J. H., Knoll, G., Muntner, P., Pecoits-Filho, R., Sarnak, M. J., Tobe, S. W., Tomson, C., Mann, et al
LIPPINCOTT WILLIAMS & WILKINS.2021
 - **Commentary on the KDIGO 2021 Clinical Practice Guideline for the Management of Blood Pressure in CKD.** *Current cardiology reports*
Mann, J. F., Chang, T. I., Cushman, W. C., Furth, S. L., Ix, J. H., Hou, F. F., Knoll, G. A., Muntner, P., Pecoits-Filho, R., Sarnak, M. J., Tomson, C. R., Craig, J. C., Tunnicliffe, et al
2021; 23 (9): 132
 - **SPRINT-A Kidney-Centric Narrative Review: Recent Advances in Hypertension.** *Hypertension (Dallas, Tex. : 1979)*
Hu, A. H., Chang, T. I.
2021: HYPERTENSIONAHA12116505
 - **Intensive Blood Pressure Control and Diabetes Mellitus-Related Limb Events in Patients With Type 2 Diabetes Mellitus: Reanalysis of ACCORD.** *Journal of the American Heart Association*
Tran, K., Stedman, M., Chang, T. I.
2021: e021407
 - **Canagliflozin, serum magnesium and cardiovascular outcomes-Analysis from the CANVAS Program.** *Endocrinology, diabetes & metabolism*
Wang, K. M., Li, J., Bhalla, V., Jardine, M. J., Neal, B., de Zeeuw, D., Fulcher, G., Perkovic, V., Mahaffey, K. W., Chang, T. I.
2021; 4 (3): e00247
 - **Comparison of Pre-Amputation Evaluation in Patients with and without Chronic Kidney Disease.** *American journal of nephrology*
Subramanian, N., Han, J., Leeper, N. J., Ross, E. G., Montez-Rath, M. E., Chang, T. I.
2021: 1-8
 - **The Effects of Canagliflozin on Heart Failure and Cardiovascular Death by Baseline Participant Characteristics: Analysis of the CREDENCE Trial.** *Diabetes, obesity & metabolism*
Arnott, C., Li, J., Cannon, C. P., de Zeeuw, D., Neuen, B. L., Heerspink, H. J., Charytan, D. M., Agarwal, A., Huffman, M. D., Figtree, G. A., Bakris, G., Chang, T. I., Feng, et al
2021
 - **Executive summary of the KDIGO 2021 Clinical Practice Guideline for the Management of Blood Pressure in Chronic Kidney Disease.** *Kidney international*
Cheung, A. K., Chang, T. I., Cushman, W. C., Furth, S. L., Hou, F. F., Ix, J. H., Knoll, G. A., Muntner, P., Pecoits-Filho, R., Sarnak, M. J., Tobe, S. W., Tomson, C. R., Lytvyn, et al
2021; 99 (3): 559-69
 - **Potential implications of the 2021 KDIGO blood pressure guideline for adults with chronic kidney disease in the United States.** *Kidney international*
Foti, K. E., Wang, D., Chang, A. R., Selvin, E., Sarnak, M. J., Chang, T. I., Muntner, P., Coresh, J.
2021; 99 (3): 686-95

- **Ultrafiltration rate and incident atrial fibrillation among older individuals initiating hemodialysis.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Flythe, J. E., Liu, S., Montez-Rath, M. E., Winkelmayer, W. C., Chang, T. I.
2021
- **Continuation versus discontinuation of renin-angiotensin system inhibitors in patients admitted to hospital with COVID-19: a prospective, randomised, open-label trial.** *The Lancet. Respiratory medicine*
Cohen, J. B., Hanff, T. C., William, P., Sweitzer, N., Rosado-Santander, N. R., Medina, C., Rodriguez-Mori, J. E., Renna, N., Chang, T. I., Corrales-Medina, V., Andrade-Villanueva, J. F., Barbagelata, A., Cristodulo-Cortez, et al
2021
- **Blood Pressure Effects of Canagliflozin and Clinical Outcomes in Type 2 Diabetes and Chronic Kidney Disease: Insights from the CREDENCE Trial.** *Circulation*
Ye, N. n., Jardine, M. J., Oshima, M. n., Hockham, C. n., Heerspink, H. J., Agarwal, R. n., Bakris, G. n., Schutte, A. E., Arnott, C. n., Chang, T. I., Górriz, J. L., Cannon, C. P., Charytan, et al
2021
- **Effects of Canagliflozin on Cardiovascular, Renal, and Safety Outcomes in Participants With Type 2 Diabetes and Chronic Kidney Disease According to History of Heart Failure: Results From the CREDENCE Trial.** *American heart journal*
Sarraj, A., Li, J., Cannon, C. P., Chang, T. I., Agarwal, R., Bakris, G., Charytan, D. M., de Zeeuw, D., Greene, T., Heerspink, H. J., Levin, A., Neal, B., Pollock, et al
2020
- **Intradialytic Hypotension and Newly Recognized Peripheral Artery Disease in Patients Receiving Hemodialysis.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Seong, E. Y., Liu, S., Song, S. H., Leeper, N. J., Winkelmayer, W. C., Montez-Rath, M. E., Chang, T. I.
2020
- **Factors Associated With Failure to Achieve the Intensive Blood Pressure Target in the Systolic Blood Pressure Intervention Trial (SPRINT).** *Hypertension (Dallas, Tex. : 1979)*
Wang, K. M., Stedman, M. R., Chertow, G. M., Chang, T. I.
2020: HYPERTENSIONAHA12016155
- **Independent predictors of heart failure in patients with type 2 diabetes and chronic kidney disease: modeling from the CREDENCE trial**
Mahaffey, K. W., Li, J., Chang, T., Sarraj, A., Agarwal, R., Charytan, D. M., Greene, T., Heerspink, H. L., Levin, A., Neal, B., Pollock, C., Yavin, Y., Jardine, et al
OXFORD UNIV PRESS.2020: 1175
- **The effects of canagliflozin on heart failure and cardiovascular death by baseline participant characteristics: analysis of the CREDENCE trial**
de Zeeuw, D., Arnott, C., Li, J., Cannon, C. P., Neuen, B. L., Heerspink, H. L., Neal, B., Charytan, D. M., Bakris, G., Chang, T., Rosenthal, N., Zinman, B., Perkovic, et al
SPRINGER.2020: S61–S62
- **Does really central venous pressure affect the risk of diuretic-associated acute kidney injury after cardiac surgery?** *American heart journal*
McCoy, I., Montez-Rath, M., Chertow, G., Chang, T.
2020; 226: 252
- **Outcomes Among Patients With Left Ventricular Assist Devices Receiving Maintenance Outpatient Hemodialysis: A Case Series.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Franz, D. D., Hussein, W. F., Abra, G., Diskin, C. D., Duggal, V., Teuteberg, J. J., Chang, T. I., Schiller, B.
2020
- **A Call for a New Paradigm for Diabetes Care in the Era of Sodium-Glucose Cotransporter2 Inhibitors (SGLT2i).** *Cardiology and therapy*
Kim, S. H., Chang, T. I., Mahaffey, K. W.
2020
- **Baseline Diastolic Blood Pressure and Cardiovascular Outcomes in SPRINT Participants with Chronic Kidney Disease.** *Kidney360*
Chang, T. I., Wei, G., Boucher, R., Kramer, H., Chertow, G. M., Cheung, A. K., Greene, T., Whelton, P. K., Beddhu, S.
2020; 1 (5): 368-375

- **Blood pressure and volume management in dialysis: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference** *KIDNEY INTERNATIONAL*
Flythe, J. E., Chang, T. I., Gallagher, M. P., Lindley, E., Madero, M., Sarafidis, P. A., Unruh, M. L., Wang, A., Weiner, D. E., Cheung, M., Jadoul, M., Winkelmayer, W. C., Polkinghorne, et al
2020; 97 (5): 861–76
- **CANAGLIFLOZIN (CANA) REDUCES CARDIOVASCULAR (CV) AND RENAL EVENTS INDEPENDENT OF BASELINE HEART FAILURE (HF): A CREDENCE SECONDARY ANALYSIS**
Sarraj, A., Li, J., Cannon, C. P., Chang, T. I., Agarwal, R., Bakris, G. L., Charytan, D. M., de Zeeuw, D., Greene, T., Heerspink, H. J. L., Levin, A., Neal, B., Pollock, et al
ELSEVIER SCIENCE INC.2020: 1018
- **Outcomes after left ventricular assist device implantation in patients with acute kidney injury** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Silver, S. A., Long, J., Zheng, Y., Goldstone, A. B., Franz, D., Chang, T. I., Chertow, G. M.
2020; 159 (2): 477-+
- **Is There Any Role for Device Therapies in Resistant Hypertension? Commentary.** *Kidney360*
Chang, T. I.
2020; 1 (1): 14-15
- **Effect of Intensive Blood Pressure Lowering on the Risk of Atrial Fibrillation.** *Hypertension (Dallas, Tex. : 1979)*
Soliman, E. Z., Rahman, A. F., Zhang, Z. M., Rodriguez, C. J., Chang, T. I., Bates, J. T., Ghazi, L. n., Blackshear, J. L., Chonchol, M. n., Fine, L. J., Ambrosius, W. T., Lewis, C. E.
2020: HYPERTENSIONAHA12014766
- **Kidney Case Conference Series: How We Manage Hypertension in a Patient with a Recent Stroke.** *Clinical journal of the American Society of Nephrology : CJASN*
Chang, T. I., Bhalla, V. n.
2020
- **Randomized elimination and prolongation of ACE inhibitors and ARBs in coronavirus 2019 (REPLACE COVID) Trial Protocol.** *Journal of clinical hypertension (Greenwich, Conn.)*
Cohen, J. B., Hanff, T. C., Corrales-Medina, V. n., William, P. n., Renna, N. n., Rosado-Santander, N. R., Rodriguez-Mori, J. E., Spaak, J. n., Andrade-Villanueva, J. n., Chang, T. I., Barbagelata, A. n., Alfonso, C. E., Bernales-Salas, et al
2020
- **Blood pressure and volume management in dialysis: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference.** *Kidney international*
Flythe, J. E., Chang, T. I., Gallagher, M. P., Lindley, E. n., Madero, M. n., Sarafidis, P. A., Unruh, M. L., Wang, A. Y., Weiner, D. E., Cheung, M. n., Jadoul, M. n., Winkelmayer, W. C., Polkinghorne, et al
2020
- **Chronic kidney disease and valvular heart disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference.** *Kidney international*
Marwick, T. H., Amann, K., Bangalore, S., Cavalcante, J. L., Charytan, D. M., Craig, J. C., Gill, J. S., Hlatky, M. A., Jardine, A. G., Landmesser, U., Newby, L. K., Herzog, C. A., Cheung, et al
2019; 96 (4): 836–49
- **Effect of Intensive and Standard Clinic-Based Hypertension Management on the Concordance Between Clinic and Ambulatory Blood Pressure and Blood Pressure Variability in SPRINT.** *Journal of the American Heart Association*
Ghazi, L., Pajewski, N. M., Rifkin, D. E., Bates, J. T., Chang, T. I., Cushman, W. C., Glasser, S. P., Haley, W. E., Johnson, K. C., Kostis, W. J., Papademetriou, V., Rahman, M., Simmons, et al
2019; 8 (14): e011706
- **Association of Total Medication Burden With Intensive and Standard Blood Pressure Control and Clinical Outcomes: A Secondary Analysis of SPRINT.** *Hypertension (Dallas, Tex. : 1979)*
Derington, C. G., Gums, T. H., Bress, A. P., Herrick, J. S., Greene, T. H., Moran, A. E., Weintraub, W. S., Kronish, I. M., Morisky, D. E., Trinkley, K. E., Saseen, J. J., Reynolds, K., Bates, et al
2019: HYPERTENSIONAHA11912907

- **Canagliflozin and Renal Outcomes in Type 2 Diabetes and Nephropathy** *NEW ENGLAND JOURNAL OF MEDICINE*
Perkovic, V., Jardine, M. J., Neal, B., Bompoint, S., Heerspink, H. L., Charytan, D. M., Edwards, R., Agarwal, R., Bakris, G., Bull, S., Cannon, C. P., Capuano, G., Chu, et al
2019; 380 (24): 2295–2306
- **Comparison of routine and automated office blood pressure measurement.** *Blood pressure monitoring*
Cheng, R. Z., Bhalla, V., Chang, T. I.
2019
- **Blood pressure in chronic kidney disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference** *KIDNEY INTERNATIONAL*
Cheung, A. K., Chang, T., Cushman, W. C., Furth, S. L., Ix, J. H., Pecoits-Filho, R., Perkovic, V., Sarnak, M. J., Tobe, S. W., Tomson, C. R., Cheung, M., Wheeler, D. C., Winkelmayer, et al
2019; 95 (5): 1027–36
- **Blood pressure in chronic kidney disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference.** *Kidney international*
Cheung, A. K., Chang, T. I., Cushman, W. C., Furth, S. L., Ix, J. H., Pecoits-Filho, R., Perkovic, V., Sarnak, M. J., Tobe, S. W., Tomson, C. R., Cheung, M., Wheeler, D. C., Winkelmayer, et al
2019; 95 (5): 1027–36
- **Predialysis Nephrology Care and Incident Atrial Fibrillation in Older Patients With ESKD Initiating Dialysis** *KIDNEY INTERNATIONAL REPORTS*
Anumudu, S., Airy, M., Erickson, K. F., Navaneethan, S. D., Chang, T., Winkelmayer, W. C., Niu, J.
2019; 4 (5): 679–87
- **Predialysis Nephrology Care and Incident Atrial Fibrillation in Older Patients With ESKD Initiating Dialysis.** *Kidney international reports*
Anumudu, S., Airy, M., Erickson, K. F., Navaneethan, S. D., Chang, T. I., Winkelmayer, W. C., Niu, J.
2019; 4 (5): 679–87
- **Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies A Scientific Statement From the American Heart Association** *CIRCULATION*
Rangaswami, J., Bhalla, V., Blair, J. E. A., Chang, T., Costa, S., Lentine, K. L., Lerma, E., Mezue, K., Molitch, M., Mullens, W., Ronco, C., Tang, W., McCullough, et al
2019; 139 (16): E840–E878
- **Response by Itoga et al to Letter Regarding Article, "Association of Blood Pressure Measurements With Peripheral Arterial Disease Events"** *CIRCULATION*
Itoga, N. K., Tawfik, D. S., Leeper, N. J., Chang, T. I.
2019; 139 (15): 1855–56
- **Response by Itoga et al to Letter Regarding Article, "Association of Blood Pressure Measurements With Peripheral Arterial Disease Events".** *Circulation*
Itoga, N. K., Tawfik, D. S., Leeper, N. J., Chang, T. I.
2019; 139 (15): 1855–56
- **Outcomes after left ventricular assist device implantation in patients with acute kidney injury.** *The Journal of thoracic and cardiovascular surgery*
Silver, S. A., Long, J., Zheng, Y., Goldstone, A. B., Franz, D., Chang, T. I., Chertow, G. M.
2019
- **Long-Term Changes in Kidney Function after Left Ventricular Assist Device Implant: An Analysis of the STS Intermacs Database**
Franz, D. D., Stedman, M. R., Myers, S. L., Naftel, D. C., Silver, S. A., Banerjee, D., Chang, T. I.
ELSEVIER SCIENCE INC.2019: S89–S90
- **KDOQI US Commentary on the 2017 ACC/AHA Hypertension Guideline.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Kramer, H. J., Townsend, R. R., Griffin, K., Flynn, J. T., Weiner, D. E., Rocco, M. V., Choi, M. J., Weir, M. R., Chang, T. I., Agarwal, R., Beddhu, S.
2019; 73 (4): 437–58
- **Timing of blood pressure medications and intradialytic hypotension.** *Seminars in dialysis*

- Wang, K. M., Sirich, T. L., Chang, T. I.
2019
- **Dialysis Modality and Incident Atrial Fibrillation in Older Patients With ESRD** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Niu, J., Shah, M. K., Perez, J. J., Airy, M., Navaneethan, S. D., Turakhia, M. P., Chang, T. I., Winkelmayer, W. C.
2019; 73 (3): 324–31
 - **Canagliflozin review - safety and efficacy profile in patients with T2DM.** *Diabetes, metabolic syndrome and obesity : targets and therapy*
Jakher, H., Chang, T. I., Tan, M., Mahaffey, K. W.
2019; 12: 209-215
 - **Central venous pressure and the risk of diuretic-associated acute kidney injury in patients after cardiac surgery.** *American heart journal*
McCoy, I. E., Montez-Rath, M. E., Chertow, G. M., Chang, T. I.
2019; 221: 67–73
 - **Sodium Excretion and Cardiovascular Outcomes in African American Patients With CKD: Findings From the African American Study of Kidney Disease and Hypertension.** *Kidney medicine*
Pearson, K. n., Anderson, C. A., Jimenez, S. n., Montez-Rath, M. E., Chang, T. I.
2019; 2 (1): 80–82
 - **Canagliflozin review - safety and efficacy profile in patients with T2DM** *DIABETES METABOLIC SYNDROME AND OBESITY-TARGETS AND THERAPY*
Jakher, H., Chang, T. I., Tan, M., Mahaffey, K. W.
2019; 12: 209–15
 - **Patterns of diuretic use in the intensive care unit.** *PloS one*
McCoy, I. E., Chertow, G. M., Chang, T. I.
2019; 14 (5): e0217911
 - **Blood Pressure and Incident Atrial Fibrillation in Older Patients Initiating Hemodialysis.** *Clinical journal of the American Society of Nephrology : CJASN*
Chang, T. I., Liu, S. n., Airy, M. n., Niu, J. n., Turakhia, M. P., Flythe, J. E., Montez-Rath, M. E., Winkelmayer, W. C.
2019
 - **Chronic Kidney Disease and Coronary Artery Disease: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
Sarnak, M. J., Amann, K. n., Bangalore, S. n., Cavalcante, J. L., Charytan, D. M., Craig, J. C., Gill, J. S., Hlatky, M. A., Jardine, A. G., Landmesser, U. n., Newby, L. K., Herzog, C. A., Cheung, et al
2019; 74 (14): 1823–38
 - **Blood Pressure and Incident Atrial Fibrillation in Older Patients Initiating Hemodialysis.** *Clinical journal of the American Society of Nephrology : CJASN*
Chang, T. I., Liu, S. n., Airy, M. n., Niu, J. n., Turakhia, M. P., Flythe, J. E., Montez-Rath, M. E., Winkelmayer, W. C.
2019
 - **Chronic Kidney Disease and Coronary Artery Disease: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
Sarnak, M. J., Amann, K. n., Bangalore, S. n., Cavalcante, J. L., Charytan, D. M., Craig, J. C., Gill, J. S., Hlatky, M. A., Jardine, A. G., Landmesser, U. n., Newby, L. K., Herzog, C. A., Cheung, et al
2019; 74 (14): 1823–38
 - **Dialysis Modality and Incident Atrial Fibrillation in Older Patients With ESRD.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*
Niu, J., Shah, M. K., Perez, J. J., Airy, M., Navaneethan, S. D., Turakhia, M. P., Chang, T. I., Winkelmayer, W. C.
2018
 - **Prognostic relevance of visit-to-visit office blood pressure variability in Systolic Blood Pressure Intervention Trial: Same data, different conclusions?** *Journal of clinical hypertension (Greenwich, Conn.)*
Chang, T. I., Reboussin, D. M., Chertow, G. M., Cheung, A. K., Cushman, W. C., Kostis, W. J., Parati, G., Riessen, E., Shapiro, B., Stergiou, G. S., Tsioufis, K., Whelton, P. K., Whittle, et al
2018; 20 (11): 1644–45
 - **Prognostic relevance of visit-to-visit office blood pressure variability in Systolic Blood Pressure Intervention Trial: Same data, different conclusions?** *JOURNAL OF CLINICAL HYPERTENSION*

- Chang, T. I., Reboussin, D. M., Chertow, G. M., Cheung, A. K., Cushman, W. C., Kostis, W. J., Parati, G., Riessen, E., Shapiro, B., Stergiou, G. S., Tsioufis, K., Whelton, P. K., Whittle, et al
2018; 20 (11): 1644–45
- **Risk Stratification and Treatment of Coronary Disease in Chronic Kidney Disease and End-Stage Kidney Disease.** *Seminars in nephrology*
Shroff, G. R., Chang, T. I.
2018; 38 (6): 582–99
 - **Association of Blood Pressure Measurements With Peripheral Artery Disease Events: Reanalysis of the ALLHAT Data** *CIRCULATION*
Itoga, N. K., Tawfik, D. S., Lee, C. K., Maruyama, S., Leeper, N. J., Chang, T. I.
2018; 138 (17): 1805–14
 - **The Relationship between Intradialytic Hypotension and Hospitalized Mesenteric Ischemia: A Case-Control Study.** *Clinical journal of the American Society of Nephrology : CJASN*
Seong, E. Y., Zheng, Y., Winkelmayer, W. C., Montez-Rath, M. E., Chang, T. I.
2018
 - **Trends in Rates of Lower Extremity Amputation Among Patients With End-stage Renal Disease Who Receive Dialysis.** *JAMA internal medicine*
Franz, D., Zheng, Y., Leeper, N. J., Chandra, V., Montez-Rath, M., Chang, T. I.
2018
 - **Association of Blood Pressure Measurements with Peripheral Arterial Disease Events: A Reanalysis of the ALLHAT Data.** *Circulation*
Itoga, N. K., Tawfik, D. S., Lee, C. K., Maruyama, S., Leeper, N. J., Chang, T. I.
2018
 - **Intensive Blood Pressure Targets and Kidney Disease.** *Clinical journal of the American Society of Nephrology : CJASN*
Chang, T. I., Sarnak, M. J.
2018
 - **Antihypertensive medication withholding practices in hemodialysis: A survey study of patients and providers.** *Hemodialysis international. International Symposium on Home Hemodialysis*
Haase, S. B., Chang, S., Schiller, B., Chertow, G. M., Chang, T. I.
2018
 - **Trends in Rates of Lower Extremity Amputation Among Patients With End-Stage Renal Disease Who Receive Dialysis** *JAMA Internal Medicine*
Franz, D., Zheng, Y., Leeper, N. J., Chandra, V., Montez-Rath, M., Chang, T. I.
2018
 - **Impact of drugs on intradialytic hypotension: Antihypertensives and vasoconstrictors.** *Seminars in dialysis*
Chang, T. I.
2017; 30 (6): 532-536
 - **Hospitalizations and Nursing Facility Stays During the Transition from CKD to ESRD on Dialysis: An Observational Study** *JOURNAL OF GENERAL INTERNAL MEDICINE*
Montez-Rath, M. E., Zheng, Y., Tamura, M., Grubbs, V., Winkelmayer, W. C., Chang, T. I.
2017; 32 (11): 1220–27
 - **Receipt of Nephrology Care and Clinical Outcomes Among Veterans With Advanced CKD** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Fung, E., Chang, T. I., Chertow, G. M., Thomas, I., Asch, S. M., Tamura, M.
2017; 70 (5): 705–14
 - **Visit-to-Visit Office Blood Pressure Variability and Cardiovascular Outcomes in SPRINT (Systolic Blood Pressure Intervention Trial)** *HYPERTENSION*
Chang, T. I., Reboussin, D. M., Chertow, G. M., Cheung, A. K., Cushman, W. C., Kostis, W. J., Parati, G., Raj, D., Riessen, E., Shapiro, B., Stergiou, G. S., Townsend, R. R., Tsioufis, et al
2017; 70 (4): 751–+
 - **Effects of Intensive BP Control in CKD** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*

- Cheung, A. K., Rahman, M., Reboussin, D. M., Craven, T. E., Greene, T., Kimmel, P. L., Cushman, W. C., Hawfield, A. T., Johnson, K. C., Lewis, C. E., Oparil, S., Rocco, M. V., Sink, et al
2017; 28 (9): 2812–23
- **Associations of Glycemic Control With Cardiovascular Outcomes Among US Hemodialysis Patients With Diabetes Mellitus.** *Journal of the American Heart Association*
Rhee, J. J., Zheng, Y., Montez-Rath, M. E., Chang, T. I., Winkelmayer, W. C.
2017; 6 (6)
 - **Safety of Intravenous Iron in Hemodialysis: Longer-term Comparisons of Iron Sucrose Versus Sodium Ferric Gluconate Complex.** *American journal of kidney diseases*
Winkelmayer, W. C., Goldstein, B. A., Mitani, A. A., Ding, V. Y., Airy, M., Mandayam, S., Chang, T. I., Brookhart, M. A., Fishbane, S.
2017; 69 (6): 771-779
 - **Comparative effectiveness of angiotensin receptor blockers vs. angiotensin-converting enzyme inhibitors on cardiovascular outcomes in patients initiating peritoneal dialysis** *JOURNAL OF NEPHROLOGY*
Shen, J. I., Saxena, A. B., Montez-Rath, M. E., Leng, L., Chang, T. I., Winkelmayer, W. C.
2017; 30 (2): 281-288
 - **Drug-Eluting Stents Versus Bare Metal Stents for Percutaneous Coronary Intervention in Kidney Transplant Recipients** *TRANSPLANTATION*
Lenihan, C. R., Montez-Rath, M. E., Winkelmayer, W. C., Chang, T. I.
2017; 101 (4): 851-857
 - **An experimentum crucis in salt sensitivity.** *American journal of physiology. Renal physiology*
Pao, A. C., Chang, T. I.
2017; 312 (1): F190-F191
 - **Risk profiles for acute health events after incident atrial fibrillation in patients with end-stage renal disease on hemodialysis.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Airy, M. n., Chang, T. I., Ding, V. Y., Goldstein, B. A., Bansal, N. n., Niu, J. n., Navaneethan, S. D., Turakhia, M. P., Winkelmayer, W. C.
2017
 - **Orthostatic changes in systolic blood pressure among SPRINT participants at baseline** *JOURNAL OF THE AMERICAN SOCIETY OF HYPERTENSION*
Townsend, R. R., Chang, T. I., Cohen, D. L., Cushman, W. C., Evans, G. W., Glasser, S. P., Haley, W. E., Olney, C., Oparil, S., Del Pinto, R., Pisoni, R., Taylor, A. A., Umanath, et al
2016; 10 (11): 847-856
 - **Balancing the Evidence: How to Reconcile the Results of Observational Studies vs. Randomized Clinical Trials in Dialysis** *SEMINARS IN DIALYSIS*
Shen, J. I., Lum, E. L., Chang, T. I.
2016; 29 (5): 342-346
 - **Antihypertensive Medication Use in Older Patients Transitioning from Chronic Kidney Disease to End-Stage Renal Disease on Dialysis.** *Clinical journal of the American Society of Nephrology*
Chang, T. I., Zheng, Y., Montez-Rath, M. E., Winkelmayer, W. C.
2016; 11 (8): 1401-1412
 - **Comparative effectiveness of angiotensin receptor blockers vs. angiotensin-converting enzyme inhibitors on cardiovascular outcomes in patients initiating peritoneal dialysis.** *Journal of nephrology*
Shen, J. I., Saxena, A. B., Montez-Rath, M. E., Leng, L., Chang, T. I., Winkelmayer, W. C.
2016: -?
 - **The Association Between Antihypertensive Medication Nonadherence and Visit-to-Visit Variability of Blood Pressure** *HYPERTENSION*
Kronish, I. M., Lynch, A. I., Oparil, S., Whittle, J., Davis, B. R., Simpson, L. M., Krousel-Wood, M., Cushman, W. C., Chang, T. I., Muntner, P.
2016; 68 (1): 39-?
 - **The Association Between Antihypertensive Medication Nonadherence and Visit-to-Visit Variability of Blood Pressure: Findings From the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial.** *Hypertension (Dallas, Tex. : 1979)*
Kronish, I. M., Lynch, A. I., Oparil, S., Whittle, J., Davis, B. R., Simpson, L. M., Krousel-Wood, M., Cushman, W. C., Chang, T. I., Muntner, P.

2016; 68 (1): 39-45

- **Angiotensin-converting enzyme inhibitor/angiotensin receptor blocker use and cardiovascular outcomes in patients initiating peritoneal dialysis.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Shen, J. I., Saxena, A. B., Montez-Rath, M. E., Chang, T. I., Winkelmayer, W. C.
2016
- **Drug-Eluting Versus Bare-Metal Stents During PCI in Patients With End-Stage Renal Disease on Dialysis** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Chang, T. I., Montez-Rath, M. E., Tsai, T. T., Hlatky, M. A., Winkelmayer, W. C.
2016; 67 (12): 1459-1469
- **Drug-Eluting Versus Bare-Metal Stents During PCI in Patients With End-Stage Renal Disease on Dialysis.** *Journal of the American College of Cardiology*
Chang, T. I., Montez-Rath, M. E., Tsai, T. T., Hlatky, M. A., Winkelmayer, W. C.
2016; 67 (12): 1459-1469
- **The effects of cinacalcet on blood pressure, mortality and cardiovascular endpoints in the EVOLVE trial** *JOURNAL OF HUMAN HYPERTENSION*
Chang, T. I., AbdAlla, S., London, G. M., Block, G. A., Correa-Rotter, R., Drueeke, T. B., Floege, J., Herzog, C. A., Mahaffey, K. W., Moe, S. M., Parfrey, P. S., Wheeler, D. C., Dehmel, et al
2016; 30 (3): 204-209
- **Patterns and Correlates of Baseline Thiazide-Type Diuretic Prescription in the Systolic Blood Pressure Intervention Trial** *HYPERTENSION*
Chang, T. I., Evans, G., Cheung, A. K., Cushman, W. C., Diamond, M. J., Dwyer, J. P., Huan, Y., Kitzman, D., Kostis, J. B., Oparil, S., Rastogi, A., Roumie, C. L., Sahay, et al
2016; 67 (3): 550-555
- **Sleep disordered breathing and cardiovascular risk in older patients initiating dialysis in the United States: a retrospective observational study using medicare data** *BMC NEPHROLOGY*
Tuohy, C. V., Montez-Rath, M. E., Turakhia, M., Chang, T. I., Winkelman, J. W., Winkelmayer, W. C.
2016; 17
- **Sleep disordered breathing and cardiovascular risk in older patients initiating dialysis in the United States: a retrospective observational study using medicare data.** *BMC nephrology*
Tuohy, C. V., Montez-Rath, M. E., Turakhia, M., Chang, T. I., Winkelman, J. W., Winkelmayer, W. C.
2016; 17: 16
- **Visit-to-visit variability of blood pressure and death, end-stage renal disease, and cardiovascular events in patients with chronic kidney disease** *JOURNAL OF HYPERTENSION*
Chang, T. I., Tabada, G. H., Yang, J., Tan, T. C., Go, A. S.
2016; 34 (2): 244-252
- **Coffee and caffeine consumption and the risk of hypertension in postmenopausal women** *AMERICAN JOURNAL OF CLINICAL NUTRITION*
Rhee, J. J., Qin, F., Hedlin, H. K., Chang, T. I., Bird, C. E., Zaslavsky, O., Manson, J. E., Stefanick, M. L., Winkelmayer, W. C.
2016; 103 (1): 210-217
- **Coffee and caffeine consumption and the risk of hypertension in postmenopausal women.** *The American journal of clinical nutrition*
Rhee, J. J., Qin, F., Hedlin, H. K., Chang, T. I., Bird, C. E., Zaslavsky, O., Manson, J. E., Stefanick, M. L., Winkelmayer, W. C.
2016; 103 (1): 210-7
- **Medication adherence and visit-to-visit variability of systolic blood pressure in African Americans with chronic kidney disease in the AASK trial** *JOURNAL OF HUMAN HYPERTENSION*
Hong, K., Muntner, P., Kronish, I., Shilane, D., Chang, T. I.
2016; 30 (1): 73-78
- **Comparative outcomes of predominant facility-level use of ferumoxytol versus other intravenous iron formulations in incident hemodialysis patients** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Airy, M., Mandayam, S., Mitani, A. A., Chang, T. I., Ding, V. Y., Brookhart, M. A., Goldstein, B. A., Winkelmayer, W. C.
2015; 30 (12): 2068-2075

- **Outcomes After Warfarin Initiation in a Cohort of Hemodialysis Patients With Newly Diagnosed Atrial Fibrillation.** *American journal of kidney diseases*
Shen, J. I., Montez-Rath, M. E., Lenihan, C. R., Turakhia, M. P., Chang, T. I., Winkelmayer, W. C.
2015; 66 (4): 677-688
- **Classifying individuals based on a densely captured sequence of vital signs: An example using repeated blood pressure measurements during hemodialysis treatment** *JOURNAL OF BIOMEDICAL INFORMATICS*
Goldstein, B. A., Chang, T. I., Winkelmayer, W. C.
2015; 57: 219-224
- **Trajectories of Adherence to Thienopyridines after Coronary Stenting in Patients on Dialysis**
Shen, J. I., Chang, T. I., Montez-Rath, M. E., Winkelmayer, W. C.
WILEY-BLACKWELL.2015: 494-95
- **Outcomes of Facility-level Use of Ferumoxytol versus Other Intravenous Iron Formulations in Incident Hemodialysis Patients**
Airy, M., Mandayam, S., Mitani, A. A., Chang, T. I., Brookhart, M., Goldstein, B. A., Winkelmayer, W. C.
WILEY-BLACKWELL.2015: 341-342
- **Longer-term Outcomes of Darbepoetin Alfa Versus Epoetin Alfa in Patients With ESRD Initiating Hemodialysis: A Quasi-experimental Cohort Study** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Winkelmayer, W. C., Chang, T. I., Mitani, A. A., Wilhelm-Leen, E. R., Ding, V., Chertow, G. M., Brookhart, M. A., Goldstein, B. A.
2015; 66 (1): 106-113
- **Coronary artery bypass graft type and outcomes in maintenance dialysis.** *journal of cardiovascular surgery*
Shilane, D., Hlatky, M. A., Winkelmayer, W. C., Chang, T. I.
2015; 56 (3): 463-471
- **Association of Spontaneous Bleeding and Myocardial Infarction With Long-Term Mortality After Percutaneous Coronary Intervention** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Kazi, D. S., Leong, T. K., Chang, T. I., Solomon, M. D., Hlatky, M. A., Go, A. S.
2015; 65 (14): 1411-1420
- **Visit-to-Visit Variability of Systolic Blood Pressure and Cardiovascular Disease** *CURRENT HYPERTENSION REPORTS*
Hussein, W. F., Chang, T. I.
2015; 17 (4)
- **Correlates and outcomes of warfarin initiation in kidney transplant recipients newly diagnosed with atrial fibrillation.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Lenihan, C. R., Montez-Rath, M. E., Shen, J. I., Scandling, J. D., Turakhia, M. P., Chang, T. I., Winkelmayer, W. C.
2015; 30 (2): 321-329
- **Use of novel oral anticoagulants in patients with end-stage renal disease** *HEMODIALYSIS INTERNATIONAL*
Winkelmayer, W. C., Herzog, C. A., Montez-Rath, M. E., Chang, T. I., Chertow, G. M.
2015; 19 (1): 150-53
- **Reply: Beta-blockers for angina: time to reassess the specific impact of drug therapy in coronary heart disease patients.** *Journal of the American College of Cardiology*
Hlatky, M. A., Andersson, C., Chang, T. I., Kazi, D., Solomon, M. D., Go, A. S.
2014; 64 (24): 2712-?
- **Validated Contemporary Risk Model of Acute Kidney Injury in Patients Undergoing Percutaneous Coronary Interventions: Insights From the National Cardiovascular Data Registry Cath-PCI Registry** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
Tsai, T. T., Patel, U. D., Chang, T. I., Kennedy, K. F., Masoudi, F. A., Matheny, M. E., Kosiborod, M., Amin, A. P., Weintraub, W. S., Curtis, J. P., Messenger, J. C., Rumsfeld, J. S., Spertus, et al
2014; 3 (6): e001380
- **Thienopyridine use after coronary stenting in low income patients enrolled in medicare part D receiving maintenance dialysis.** *Journal of the American Heart Association*
Chang, T. I., Montez-Rath, M. E., Shen, J. I., Solomon, M. D., Chertow, G. M., Winkelmayer, W. C.
2014; 3 (5)

- **Thienopyridine use after coronary stenting in low income patients enrolled in medicare part D receiving maintenance dialysis.** *Journal of the American Heart Association*
Chang, T. I., Montez-Rath, M. E., Shen, J. I., Solomon, M. D., Chertow, G. M., Winkelmayer, W. C.
2014; 3 (5)
- **Acute Kidney Injury After CABG Versus PCI: An Observational Study Using 2 Cohorts.** *Journal of the American College of Cardiology*
Chang, T. I., Leong, T. K., Boothroyd, D. B., Hlatky, M. A., Go, A. S.
2014; 64 (10): 985-994
- **The Association of Gender to Cardiovascular Outcomes After Coronary Artery Revascularization in Patients With End-Stage Renal Disease** *CLINICAL CARDIOLOGY*
Krishnaswami, A., Chang, T. I., Jang, J. J., Leong, T. K., Go, A. S.
2014; 37 (9): 546-551
- **Beta-blocker therapy and cardiac events among patients with newly diagnosed coronary heart disease.** *Journal of the American College of Cardiology*
Andersson, C., Shilane, D., Go, A. S., Chang, T. I., Kazi, D., Solomon, M. D., Boothroyd, D. B., Hlatky, M. A.
2014; 64 (3): 247-252
- **Temporal trends in mortality after coronary artery revascularization in patients with end-stage renal disease.** *The Permanente journal*
Krishnaswami, A., Leong, T. K., Hlatky, M. A., Chang, T. I., Go, A. S.
2014; 18 (3): 11-16
- **Comparative Effectiveness of Clopidogrel in Medically Managed Patients With Unstable Angina and Non-ST-Segment Elevation Myocardial Infarction.** *Journal of the American College of Cardiology*
Solomon, M. D., Go, A. S., Shilane, D., Boothroyd, D. B., Leong, T. K., Kazi, D. S., Chang, T. I., Hlatky, M. A.
2014; 63 (21): 2249-2257
- **Lowering Blood Pressure to Lower the Risk of Cardiovascular Events in CKD** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Chang, T. I., Owens, D. K., Chertow, G. M.
2014; 63 (6): 900–902
- **Near-Term Prediction of Sudden Cardiac Death in Older Hemodialysis Patients Using Electronic Health Records** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Goldstein, B. A., Chang, T. I., Mitani, A. A., Assimes, T. L., Winkelmayer, W. C.
2014; 9 (1): 82-91
- **Visit-to-visit systolic blood pressure variability and outcomes in hemodialysis** *JOURNAL OF HUMAN HYPERTENSION*
Chang, T. I., Flythe, J. E., Brunelli, S. M., Muntner, P., Greene, T., Cheung, A. K., Chertow, G. M.
2014; 28 (1): 18-24
- **Contemporary Incidence, Predictors, and Outcomes of Acute Kidney Injury in Patients Undergoing Percutaneous Coronary Interventions** *JACC-CARDIOVASCULAR INTERVENTIONS*
Tsai, T. T., Patel, U. D., Chang, T. I., Kennedy, K. F., Masoudi, F. A., Matheny, M. E., Kosiborod, M., Amin, A. P., Messenger, J. C., Rumsfeld, J. S., Spertus, J. A.
2014; 7 (1): 1-9
- **Incremental prognostic information from kidney function in patients with new onset coronary heart disease** *AMERICAN HEART JOURNAL*
Hlatky, M. A., Shilane, D., Chang, T. I., Boothroyd, D., Go, A. S.
2014; 167 (1): 86-92
- **Multivessel coronary revascularization and outcomes in kidney transplant recipients.** *Transplant international*
Lenihan, C. R., Montez-Rath, M. E., Winkelmayer, W. C., Chang, T. I.
2013; 26 (11): 1080-1087
- **Visit-to-visit systolic blood pressure variability and outcomes in hemodialysis.** *Journal of human hypertension*
Chang, T. I., Flythe, J. E., Brunelli, S. M., Muntner, P., Greene, T., Cheung, A. K., Chertow, G. M.
2013
- **Use and safety of heparin-free maintenance hemodialysis in the USA** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Shen, J. I., Mitani, A. A., Chang, T. I., Winkelmayer, W. C.

2013; 28 (6): 1589-1602

- **Association of Intradialytic Blood Pressure Variability With Increased All-Cause and Cardiovascular Mortality in Patients Treated With Long-term Hemodialysis** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Flythe, J. E., Inrig, J. K., Shafi, T., Chang, T. I., Cape, K., Dinesh, K., Kunaparaju, S., Brunelli, S. M.
2013; 61 (6): 966-974
- **Comparative effectiveness of multivessel coronary bypass surgery and multivessel percutaneous coronary intervention: a cohort study.** *Annals of internal medicine*
Hlatky, M. A., Boothroyd, D. B., Baker, L., Kazi, D. S., Solomon, M. D., Chang, T. I., Shilane, D., Go, A. S.
2013; 158 (10): 727-734
- **Comparative effectiveness of coronary artery bypass grafting and percutaneous coronary intervention for multivessel coronary disease in a community-based population with chronic kidney disease.** *American heart journal*
Chang, T. I., Leong, T. K., Kazi, D. S., Lee, H. S., Hlatky, M. A., Go, A. S.
2013; 165 (5): 800-808 e2
- **Risk Factors for ESRD in Individuals With Preserved Estimated GFR With and Without Albuminuria: Results From the Kidney Early Evaluation Program (KEEP)** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Chang, T. I., Li, S., Chen, S., Peralta, C. A., Shlipak, M. G., Fried, L. F., Whaley-Connell, A. T., McCullough, P. A., Tamura, M. K.
2013; 61 (4): S4-S11
- **SLEEP DISORDERED BREATHING AND CARDIOVASCULAR RISK IN OLDER PATIENTS INITIATING DIALYSIS**
Tuohy, C., Montez-Rath, M. E., Turakhia, M., Chang, T. I., Winkelmayer, W. C.
W B SAUNDERS CO-ELSEVIER INC.2013: A95
- **Effectiveness of beta-Blockers in Heart Failure With Left Ventricular Systolic Dysfunction and Chronic Kidney Disease** *JOURNAL OF CARDIAC FAILURE*
Chang, T. I., Yang, J., Freeman, J. V., Hlatky, M. A., Go, A. S.
2013; 19 (3): 176-182
- **Comparative Effectiveness Research in Heart Failure Therapies Women, Elderly Patients, and Patients with Kidney Disease** *HEART FAILURE CLINICS*
Shah, R. U., Chang, T. I., Fonarow, G. C.
2013; 9 (1): 79-?
- **Multivessel Coronary Artery Bypass Grafting Versus Percutaneous Coronary Intervention in ESRD** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Chang, T. I., Shilane, D., Kazi, D. S., Montez-Rath, M. E., Hlatky, M. A., Winkelmayer, W. C.
2012; 23 (12): 2042-2049
- **Preoperative Statin Use and Postoperative Acute Kidney Injury** *AMERICAN JOURNAL OF MEDICINE*
Brunelli, S. M., Waikar, S. S., Bateman, B. T., Chang, T. I., Lii, J., Garg, A. X., Winkelmayer, W. C., Choudhry, N. K.
2012; 125 (12): 1195-?
- **Comparative effectiveness research: what is it and why do we need it in nephrology?** *NEPHROLOGY DIALYSIS TRANSPLANTATION*
Chang, T. I., Winkelmayer, W. C.
2012; 27 (6): 2156-2161
- **Use of Secondary Prevention Medications among Adults with Reduced Kidney Function** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Chang, T. I., Gao, L., Brown, T. M., Safford, M. M., Judd, S. E., McClellan, W. M., Limdi, N. A., Muntner, P., Winkelmayer, W. C.
2012; 7 (4): 604-611
- **Blood Pressure Components and End-stage Renal Disease in Persons With Chronic Kidney Disease The Kidney Early Evaluation Program (KEEP)** *ARCHIVES OF INTERNAL MEDICINE*
Peralta, C. A., Norris, K. C., Li, S., Chang, T. I., Tamura, M. K., Jolly, S. E., Bakris, G., McCullough, P. A., Shlipak, M.
2012; 172 (1): 41-47
- **Systolic Blood Pressure and Mortality in Patients on Hemodialysis** *CURRENT HYPERTENSION REPORTS*
Chang, T. I.

2011; 13 (5): 362-369

- **Chronic Kidney Disease and Cardiovascular Therapeutics Time to Close the Evidence Gaps** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Chang, T. I., Chertow, G. M.
2011; 58 (11): 1162-1164
- **Angiotensin-converting enzyme inhibitors and cardiovascular outcomes in patients on maintenance hemodialysis** *AMERICAN HEART JOURNAL*
Chang, T. I., Shilane, D., Brunelli, S. M., Cheung, A. K., Chertow, G. M., Winkelmayer, W. C.
2011; 162 (2): 324-330
- **Angiotensin Converting Enzyme Inhibitors in Hemodialysis**
Chang, T. I., Shilane, D., Brunelli, S. M., Cheung, A. K., Chertow, G. M., Winkelmayer, W. C.
WILEY PERIODICALS, INC.2011: S15-S15
- **Intradialytic Hypotension and Vascular Access Thrombosis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Chang, T. I., Paik, J., Greene, T., Desai, M., Bech, F., Cheung, A. K., Chertow, G. M.
2011; 22 (8): 1526-1533
- **Kidney Function and Long-Term Medication Adherence after Myocardial Infarction in the Elderly** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Chang, T. I., Desai, M., Solomon, D. H., Winkelmayer, W. C.
2011; 6 (4): 864-869
- **Systolic blood pressure and mortality in prevalent haemodialysis patients in the HEMO study** *JOURNAL OF HUMAN HYPERTENSION*
Chang, T. I., Friedman, G. D., Cheung, A. K., Greene, T., Desai, M., Chertow, G. M.
2011; 25 (2): 98-105
- **Blood Pressure Control in Type 2 Diabetes Mellitus** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Chang, T. I., Cheung, A. K., Chertow, G. M.
2010; 56 (6): 1029-1031
- **Updated comorbidity assessments and outcomes in prevalent hemodialysis patients** *HEMODIALYSIS INTERNATIONAL*
Chang, T. I., Paik, J., Greene, T., Miskulin, D. C., Chertow, G. M.
2010; 14 (4): 478-485
- **Kidney Disease and Antihypertensive Medication Adherence: The Need for Improved Measurement Tools** *AMERICAN JOURNAL OF KIDNEY DISEASES*
Chang, T. I., Winkelmayer, W. C.
2010; 56 (3): 423-426
- **Kidney Disease, Hospitalized Hypertension, and Cardiovascular Events: Cause or Consequence?** *CIRCULATION*
Chertow, G. M., Chang, T. I.
2010; 121 (20): 2160-2161
- **GFR estimating equations, CKD prevalence and the public health** *JOURNAL OF INTERNAL MEDICINE*
Chang, T. I., Chertow, G. M.
2010; 267 (4): 354-356
- **Cardiometabolic Syndrome** *CARDIORENAL SYNDROME: MECHANISMS, RISK AND TREATMENT*
Tamura, M., Chang, T. I.
edited by Berbari, A. E., Mancia, G.
2010: 131-44
- **Oxidant regulation of gene expression and neural tube development: Insights gained from diabetic pregnancy on molecular causes of neural tube defects** *DIABETOLOGIA*
Chang, T. I., Horal, M., Jain, S. K., Wang, F., Patel, R., Loeken, M. R.
2003; 46 (4): 538-545

- **Evidence that elevated glucose causes altered gene expression, apoptosis, and neural tube defects in a mouse model of diabetic pregnancy** *DIABETES*
Fine, E. L., Horal, M., Chang, T. I., Fortin, G., Loeken, M. R.
1999; 48 (12): 2454-2462
- **Genotoxicity and diabetic embryopathy: Impaired expression of developmental control genes as a cause of defective morphogenesis** *SEMINARS IN REPRODUCTIVE ENDOCRINOLOGY*
Chang, T. I., Loeken, M. R.
1999; 17 (2): 153-165