Divisional Research- Pediatric Nephrology (2017- present)

**Tray Hunley, MD**

Projects:

CureGN, multi-center, long-term observational study of patients with glomerular disease. NIH.

Oxabact Study: A phase III double-blind, randomized study to evaluate the long-term efficacy and safety of Oxabact in patients with primary hyperoxaluria. OxThera Intellectual Property AB, Stockholm, Sweden.

Prevalence of positive genetic testing in patients with a history of nephrocalcinosis. Multicenter study. Cohen Children’s Medical Center, Northwell Health, Queens, NY.

HIKO STEC: Hyperhydration to Improve Kidney Outcomes in Shiga Toxin-producing E.coli Infection, a multi-center study to assess if high volume intravenous fluid administration may be effective in mitigating or preventing complications of Shiga toxin-producing E.coli infection. NIH-sponsored.

Recent Publications:

Bradshaw MJ, Vu NH, **Hunley TE**, Chitnis T. Child Neurology: Neuromyelitis optica spectrum disorders. Neurology. 2017 Jan 10; 88(2): e10-e13.

**Hunley TE**, Adams MC, Hernanz-Schulman M, Jabs K. Nephrology Image: A critically ill newborn with a distended abdomen. Kidney Int. 2017 Aug; 92(2): 521.

AdeyemoA, Esezobor C, Abeyagunawardena A, Kari JA, El Desoky S, Greenbaum LA, Kamel M, Kallash M, Silva S, Young A, **Hunley TE**, de Jesus-Gonzalez N, SrivastavaT and Gbadegesin RA. HLA-DQA1 and APOL1 as Risk Loci for Childhood-Onset Steroid-Sensitive and Steroid-Resistant Nephrotic Syndrome. Am J Kidney Dis. 2018 Mar; 71(3): 399-406.

VarnerJD, Chryst-Stangl M, Esezobor CI, Solarin A, Wu G; Lane B, Hall G, Abeyagunawardena A, Matory A, **Hunley TE**, Lin JJ, Howell D, Gbadegesin R. Genetic Testing for Steroid-Resistant-Nephrotic Syndrome in an Outbred Population. Front Pediatr. 2018 Oct 22; 6: 307.

Clark AJ, Matevish L, **Hunley TE**. Malaise, Weight Loss, and Acute Kidney Injury in a 13-year-old girl. Pediatr Nephrol. 2019 Nov; 34(11): 2351-2360.

McKee R, Schnadower D, Tarr PI, Xie J, Finkelstein Y, Desai N, Lane RD, Bergmann K, Kaplan RL, Hariharan S, Cruz AT, Cohen D, Dixon A, Ramgopal S, Rominger A, Powell E, Kilgar J, Michelson K, Beer D, Nitzan M, Pruitt CM, Yen K, Meckler GD, Plint A, Bradin S, Abramo TJ, Gouin S, Kam AJ, Schuh A, Balamuth F, **Hunley TE**, Kanegaye JF, Jones N, Meltzer JA, Avva U, Porter R, Fein DM, Cohen A, Louie JP, Freedman SB. Predictors of Adverse Outcomes in Shiga Toxin-Producing *Escherichia coli* Infected Children. Clin Infect Dis. 2020 Apr 10; 70(8): 1643-1651.

Lin CY, Xie J, Freedman S, McKee R, Schnadower D, Tarr P, Finkelstein Y, Desai N, Lane R, Bergmann K, Kaplan RL, Hariharan S, Cruz AT, Cohen DM, Dixon A, Ramgopal S, Powell EC, Kilgar J, Michelson KA, Bitzan M, Yen K, Meckler GD, Plint AC, Balamuth F, Bradin S, Gouin S , Kam AJ, Meltzer JA, **Hunley TE**, Avva U, Porter R, Fein DM, Louie JP, Tarr GAM. Predicting Adverse Outcomes for Shiga Toxin-Producing E. coli Infections in Emergency Departments. J Pediatr. 2021; 232: 200-206.e4. PMID: 33417918. DOI: 10.1016/j.jpeds.2020.12.077

Clark AJ, Matevish L, Hernanz-Schulman M, Mason EF, **Hunley TE**. Malaise, Weight Loss, and Acute Kidney Injury in a 13-year-old girl. Peds in Review. 2021 Jul 1; 42 (7) e28-e32.

Muff-Luett M, Sanderson KR, Engen RE, Zahr RS, Wenderfer SE, Tran CL, Sharma S , Cai Y, Ingraham S, Winnicki E, Weaver DJ, **Hunley TE**, Kiessling SG, Seamon M, Woroniecki R, Miyashita Y, Xiao N, Omoloja AA, Kizilbash SJ, Mansuri A, Kallash M, Yu Y, Sherman AK, Srivastava T, Nester CN. Eculizumab exposure in children and young adults: indications, practice patterns and outcomes: A Pediatric Nephrology Research Consortium Study. Pediatr Nephrol. 2021 Aug; 36(8): 2349-2360.

Grosser DS, Persad P, Talento RV, Shoemaker LR, **Hunley TE**, Hidalgo G, Subtirelu MM, Coventry S, Baliga R, Fogo AB. IgA-dominant Infection-associated Glomerulonephritis in the Pediatric Population. Pediatr Nephrol. 2022 March; 37: 593–600.

Book Chapters or Invited Reviews:

Hunley TE, Desai N, Jones DP. Hypertension in the Pregnant Teenager. In Flynn J, Ingelfinger J, and Redwine K (eds): Pediatric Hypertension, 4th Edition, Springer International Publishing AG, pp 581-603, 2018.

Lane T, Brownlee WT, **Hunley TE.** Glomerulonephritis. AccessMedicine. Vanderbilt Internal Medicine / Pediatric Curriculum. New York. McGraw-Hill Education. 2018.

Posters and Presentations:

Gbadegesin R, Esezobor C, Greenbaum L, Kallash M, Silva C, Hunley TE, de Jesus-Gonzalez N, Hall G, Lane B, Chryst-Ladd M, Wu GH, Adeyemo A. HLA-DQA1 variants and risk of steroid sensitive nephrotic syndrome in children. Presented at the American Society of Nephrology Meeting, Chicago, Nov 2016.

Sanderson K, Muff-LuettMA, ShermanAK, CaiY, KiesslingS, KallashM, MiyashitaY, OmolojaAA, SharmaS, TranCL, WeaverDJ, WenderferSE, WoronieckiR, XiaoN, MansuriA, Hunley TE, ZahrRS, EngenRM, SeamonM, KizilbashSJ, WinnickiE, SrivastavaT and NesterCM. Eculizumab Use in Pediatric Practice: Dosing and Renal Outcomes-A Collaboration of the Midwest Pediatric Nephrology Consortium (MWPNC). Presented at the American Society of Nephrology Meeting, Chicago, Nov 2016.

Hunley TE, Guelich SF, Ingram A, Dunn JR, Vandevoorde RG III, Jones DP, Jabs K. Diarrhea Associate Hemolytic Uremic Syndrome (D+HUS): A Single Center Experience from a High Incidence Area. Presented at the 6th International Conference of HUS and Related Disorders. Innsbruck Austria, June 11-13, 2017.

Clark AJ, Jabs K, Hunley TE, Jones DP, VanDeVoorde RG, Anderson C, Du L, Zhong J, Yang H, Kon V. Apolipoproteins in the urine! What are they doing there? Presented at the Pediatric Academic Societies Annual Meeting, Toronto, CA, May 2018.

McKee RS, Schnadower D, Tarr PI, Desai N, Lane R, Bergmann K, Kaplan R, Hariharan S, Cruz A, Cohen D, Dixon A, Finkelstein Y, Hickey R, Rominger A, Powell E, Poonai N, Michelson K, Beer D, Pruitt C, Yen K, Bitzan M, Plint A, Meckler G, Braden S, Abramo TJ, Gouin S, Kam A, Balamuth F, **Hunley TE,** Schuh A, Kanegaye J, Jones N, Meltzer J, Avva U, Porter B, Fein D, Louis J, Cohen A, Stevens M, Freedman SB. Practice Patterns and Outcomes of Children infected with Verocytotoxin-producing *Escherichia coli* (VTEC) in Pediatric Emergency Departments in North America. Presented at the Pediatric Academic Societies Annual Meeting, Toronto, CA, May 2018.

**Hunley TE**, Ng KH, ShiraiY, Miura K, Hattori M, Smoyer WE, Hidalgo G. Pioglitazone in Pediatric Nephrotic Syndrome. Presented at the American Society of Nephrology Annual Meeting, Washington, D.C. Nov 2019.

**Hunley TE.** Nephrotic Syndrome in Kids and Adults: Similarities, Differences and Connections. Renal Grand Rounds, Nashville, TN, Jan 27, 2022.

**Hunley TE.** Broken Hearts: The Impact of Medical Neglect on the Patient, Family, and Healthcare Team. Panelist, Bedside Matters Conference at Vanderbilt University Medical Center, Nashville, TN, Apr 20, 2022.

**Kathy Jabs, MD**

Projects: None.

Recent Publications:

Hunley TE, Adams MC, Hernanz-Schulman M, **Jabs K**. A Critically Ill Newborn with a Distended Abdomen. Kidney Int. 2017; 92: 521.

Manoloupoulou M, **Jabs K**, Lusco M, Paueksakon P. PLA2R de novo membranous nephropathy and antibody mediated rejection in a renal allograft. J Am Soc Nephrol 28: 816, 2017.

Godown J, Hall M, Thompson B, Thurm C, **Jabs K**, Gillis LA, Hafberg ET, Alexopoulos S, Karp SJ, Soslow JH. Expanding analytic possibilities in pediatric solid organ transplantation through linkage of administrative and clinical registry databases. Pediatr Transplant. 2019; e13379.

Clark AJ, **Jabs K**, Hunley TE, Jones DP, VanDeVoorde RG, Anderson C, Du L, Zhong J, Fogo AB, Yang H, Kon V. Urinary apolipoprotein AI in children with kidney disease. Pediatr Nephrol. 2019 Jun 23: 1-10.

Book Chapters or Invited Reviews:

Warady BA, Jabs KL, Skversky AL. Chronic dialysis in children (Chapter) in Henrich WL (Ed.) Principles and Practice of Dialysis, 5th edition, Williams & Wilkins, Baltimore, 2017, pp 601-633.

Posters and Presentations:

Clark AJ, Jabs K, Hunley TE, Jones DP, VanDeVoorde RG, Anderson C, Du L, Zhong J, Yang H, Fogo AB, Kon V. Apolipoproteins in the urine! What are they doing there? Presented at the Pediatric Academic Societies Annual Meeting, Toronto, CA, May 2018.

**Deborah Jones, MD, MS**

Projects: None

Recent Publications:

Wang L, McGregor TL, **Jones DP**, Bridges BC, Fleming GM, Shirey-Rice J, McLemore MF, Danciu I, Chen L, Byrne DW, Van Driest SL: Electronic Medical Record-Based Predictive Models for Acute Kidney Injury in Pediatric Inpatients. Pediatric Research 2017; 82(3):465-473. [PMID:28486440]

Scholl UI, Stolting G, Schewe J, Theil A, Tan H, Nelson-Williams C, Vichot AA, Jin WC, Loring E, Untiet V, Yoo T, Jungmin C, Xu S, Wu A, Kirchner M, Mertins P, Rump LC, Onder AM, Gamble C, McKenney K, Lash R, **Jones DP**, Chune G, Gagliardi P, Choi M, Gordon R, Stowasser M, Fahlke C, Lifton RP. CLCN2 chloride channel mutations in familial hyperaldosteronism Type II. Nature Genetics 2018 Mar;50(3):349-354 [PMID: 29403011]

Clark AJ, Jabs K, Hunley TE, **Jones DP**, VanDeVoorde RG, Anderson C, Du L, Zhong J, Fogo AB, Yang H, Kon V. [Urinary apolipoprotein AI in children with kidney disease.](https://www.ncbi.nlm.nih.gov/pubmed/31230128/) Pediatr Nephrol. 2019 Nov;34(11):2351-2360. doi: 10.1007/s00467-019-04289-5. [PMID: 31230128]

Van Driest SL, Wang L, McLemore MF, Bridges BC, Fleming GM, McGregor TL, **Jones DP**, Shirey-Rice J, Gatto CL, Gay JC, Byrne DW, Weitkamp A, Roden DM, Bernard G: Acute kidney injury risk-based screening in pediatric inpatients: A pragmatic randomized trial. Pediatr Res. 2020 87(1):118-124; doi: 10.1038/s41390-019-0550-1. [PMID: 31454829.]

Green DM, Wang M, Krasin MJ, Davidoff AM, Srivastava D, Jay DW, Ness KK, Shulkin BL, **Jones DP**, Lanctot JQ, Shelton KC, Brennan RC, Mulrooney DA, Ehrhardt MJ, Gibson TM, Kurt BA, Robison LL, Hudson MM, Spunt SL: Long-term renal function after treatment for Wilms tumor. A report from the St. Jude Lifetime Cohort (SJLIFE) Study. Pediatr Blood Cancer. 2020 Oct; 67(10): e28271. PMID: 32706494

Schlingmann KP, Jouret F, Shen K, Nigam A, Arjona FJ, Dafinger C, Houillier P, **Jones DP,** Kleinerüschkamp F, Oh J, Godefroid N, Eltan M, Güran T, Burtey S, Parotte MC, König J, Braun A, Bos C, Ibars Serra M, Rehmann H, Zwartkruis FJT, Renkema KY, Klingel K, Schulze-Bahr E, Schermer B, Bergmann C, Altmüller J, Thiele H, Beck BB, Dahan K, Sabatini D, Liebau MC, Vargas-Poussou R, Knoers NVAM, Konrad M, de Baaij JHF. mTOR-Activating Mutations in *RRAGD* Are Causative for Kidney Tubulopathy and Cardiomyopathy. J Am Soc Nephrol. 2021 Nov; 32(11):2885-2899. PMID: 34607910.

Book Chapters or Invited Reviews:

**Jones DP**: Syndrome of Inappropriate Antidiuretic Hormone Secretion. Pediatrics in Review. 2018; 39(1):27-35. [PMID: 29292284]

Hunley TE, Desai N, **Jones DP**: Hypertension in the pregnant teenager. Pediatric Hypertension, 4th Edition. Flynn JT, Ingelfinger, Redwine KM, Springer, 2017, doi:10.1007/978-3-319-31420-4\_28-1.

Posters and Presentations:

McGregor TL, Choi L, Kannankeril PJ, Smith AH, **Jones DP**, Bridges BC, Fleming GM, Shirey-Rice J, Van Driest SL: Preoperative Red Cell Distribution Width (RDW) is Associated with AKI after Cardiac Surgery in Children. 2nd International Symposium on AKI in Children, Cincinnati OH, June 24-26, 2016.

Clark AJ, Jabs K, Hunley TE, **Jones DP**, Vandevoorde RG, Anderson C, Zhong J, Kon V: Urinary apolipoprotein A-1 (apoA1): Potential new marker of tubulointerstitial kidney disease (TID). Pediatric Academic Societies meeting, San Francisco, CA, 2017.

Kleiman S, Kapp ME, **Jones DP**, Fogo AB: The oxford classification system and crescents in pediatric Henoch-Schonlein Purpura. U.S. and Canadian Academy of Pathology (USCAP) Conference, Vancouver, British Columbia, Mar 2018.

**Jones DP**: Magnesium Disorders: Under-recognized and under-appreciated. Pediatric Academic Societies meeting, Denver, CO, April 24, 2022.

**Valentina Kon, MD**

Projects:

Effect of (AST-120) on CKD-induced Dysfunctional HDL. Kureha Corporation

Effect of AST-120 Modulation on Intestinal Lymphangiogenesis. Kureha Corporation

HDL Function in Human Disease. NIH, 1P01HL116263-01A1

Bayer Research Collaboration and Option Agreement. Bayer.

Recent Publications:

Ormseth MJ, Yancey PG, Yamamoto S, Oeser AM, Gebretsadik T, Shintani A, Linton MF, Fazio S, Davies SS, Roberts LJ 2nd, Vickers KC, Raggi P, **Kon V**, Stein CM. Net cholesterol efflux capacity of HDL enriched serum and coronary atherosclerosis in rheumatoid arthritis. Inernational Journal Clin Metab Endocr. 2016 Dec; 13: 6-11.

Kaseda R, Tsuchida Y, Yang HC, Yancey PG, Zhong J, Tao H, Bian A, Fogo AB, Linton MRF, Fazio S, Ikizler TA, **Kon V**. Chronic kidney disease alters lipid trafficking and inflammatory responses in macrophages: effects of liver X receptor agonism. BMC Nephrol. 2018 Jan 27; 19(1): 17.

Kaseda R, Tsuchida Y, Gamboa JL, Zhong J, Zhang L, Yang HC, Dikalova A, Bian A, Davies S, Fogo AB, Linton MF, Brown NJ, Ikizler TA, **Kon V**. Angiotensin receptor blocker vs ACE inhibitor effects on HDL functionality in patients on maintenance hemodialysis. Nutr Metab Cardiovasc Dis. 2018 Jun; 28(6): 582-591.

82. Wiese CB, Zhong J, Xu Z, Zhang Y, Ramirez-Solano M, Zhu W, Linton MF, Sheng Q, **Kon V**, Vickers KC. Dual Inhibition of Endothelial miR-92a-3p and miR-489-3p Reduces Renal Injury-Associated Atherosclerosis. Atherosclerosis. Atherosclerosis. 2019 Mar; 282: 121-131.

Hung AM, Tsuchida Y, Nowak KL, Sarkar S, Chonchol M, Whitfield V, Salas N, Dikalova A, Yancey PG, Huang J, Linton MF, Ikizler TA, **Kon V**. IL-1 Inhibition and Function of the HDL-Containing Fraction of Plasma in Patients with Stages 3 to 5 CKD. Clin J Am Soc Nephrol. 2019 May 7; 14(5): 702-711.

Tsuchida Y, Zhong J, Otsuka T, Dikalova A, Pastan I, Anantharamaiah GM, Linton MF, Yancey PG, Ikizler TA, Fogo AB, Yang H, **Kon V**. Lipoprotein modulation of proteinuric renal injury. Lab Invest. 2019 Jul; 99(8): 1107-1116.

Clark AJ, Yang H, **Kon V**. Urinary apoAl: novel marker of renal disease? Pediatr Nephrol. 2019 Nov; 34(11): 2425-2426.

Clark AJ, Jabs K, Hunley TE, Jones DP, VanDeVoorde RG, Anderson C, Du L, Zhong J, Fogo AB, Yang H, **Kon V**. Urinary apolipoprotein AI in children with kidney disease. Pediatr Nephrol. 2019 Nov; 34(11): 2351-2360.

Gewin LS, Summers ME, Harral JW, Gaskill CF, Khodo SN, Neelisetty S, Sullivan TM, Hopp K, Reese JJ, Klemm DJ, **Kon V**, Ess KC, Shi W, Majka SM. Inactivation of Tsc2 in Abcg2 lineage-derived cells drives the appearance of polycystic lesions and fibrosis in the adult kidney. Am J Physiol Renal Physiol. 2019 Nov 1; 317(5): F1201-F1210.

Huang J, Yancey PG, Tao H, Borja MS, Smith LE, **Kon V**, Davies SS, Linton MF. Reactive Dicarbonyl Scavenging Effectively Reduces MPO-Mediated Oxidation of HDL and Restores PON1 Activity. Nutrients. 2020 Jun 30; 12(7): 1937.

Sarkar S, Tsuchida Y, Diab R, Cathy Xu Z, Yermalitsky V, Davies S, Ikizler TA, Hung A, **Kon V**, Flynn C. Pro-Inflammatory HDL in Women with Obesity and Nonalcoholic Steatohepatitis. Obes Res Clin Pract. 2020 July; 14 (4): 333-338.

Shelton EL, Yang HC, Zhong J, Salzman MM, **Kon V**. Renal lymphatic vessel dynamics. Am J Physiol Renal Physiol. 2020 Dec 1; 319(6): F1027-F1036.

Huang J, Yancey PG, Tao H, Borja MS, Smith LE, **Kon V**, Davies SS, Linton MF. Reactive dicarbonyl scavenging effectively reduces MPO-mediated oxidation of HDL and restores PON1 activity. Nutrients. 2020 Jun 30; 12(7): 1937.

Smith LE, Smith DK, Yancey PG, **Kon V**, Remaley AT, Billings FT 4th, Linton MF. Perioperative high density lipoprotein, oxidative stress, and kidney injury after cardiac surgery. J Lipid Res. 2021 Jan 14; 62: 100024.

Qi C, Al Somali F, Zhong J, Harris RC, **Kon V**, Yang H, Fogo AB. Increased DAAM2, a new podocyte-associated protein, in diabetic nephropathy. Nephrol Dial Transplant. 2021 Feb 5: gfab014.

Zhong J, Yang HC, Yermalitsky V, Shelton EL, Otsuka T, Weise CB, May-Zhang LS, Banan B, Abumrad N, Huang J, Cavnar AB, Kirabo A, Yancey PG, Fogo AB, Vickers KC, Linton MF, Davies SS, **Kon V**. Kidney injury disruption of intestinal lymphatics involves dicarbonyl-modified lipoproteins. Kidney Int. 2021 Sep; 100(3): 585-596. PMCID: PMC8447488.

Kaseda R, Hosojima M, Kuwahara S, Kabasawa H, Aoki H, Higuchi Y, **Kon V**, Narita I, Saito A. Rice Endosperm Protein Improves the Anti-Inflammatory Effects of High-Density Lipoprotein and Produces Lower Atherosclerotic Lesion Accelerated by the Renal Mass Reduction than Casein in a Mouse Model. J Am Coll Nutr. 2021 Aug 23:1-11. PMID: 34424818.

# Liu J, Zhong J, Yang H, Wang D, Zhang Y, Yang Y, Xing G, **Kon V.** Biotic Supplements in Patients with Chronic Kidney Disease: Meta-Analysis of Randomized Controlled Trials. J Ren Nutr. 2022 Jan; 32(1):10-21. PMID: 34666930.

# Aggarwal G, May-Zhang LS, Yermalitsky V, Dikalov S, Voynov MA, Amarnath V, **Kon V**, Linton MF, Vickers KC, Davies SS. Myeloperoxidase-induced modification of HDL by isolevuglandins inhibits paraoxonase-1 activity. J Biol Chem. 2021 Sep;297(3):101019. PMCID: PMC8390528

# Liu J, Shelton EL, Crescenzi R, Colvin DC, Zhong J, Delpire EJ, Yang H. **Kon V**. Kidney injury causes accumulation of renal sodium that modulates renal lymphatic dynamics Int J Mol Sci. (In press)

Book Chapters or Invited Reviews:

Zhong J, Yang H, **Kon V**. Kidney as modulator and target of "good/bad" HDL. Pediatr Nephrol. 2018 Oct 5.

**Kon V**, Yang HC, Smith LE, Vickers KC, Linton MF. High density lipoproteins in kidney disease. Int J Mol Sci. 2021 Jul 30; 22(15): 8201. PMID: 34360965

**Kon V**,Shelton EL, Yang H, Kirabo A. Lymphatics, inflammation and cardiovascular disease. Current Hypertension Report. (In press)

Posters and Presentations:

Tsuchida Y, Wilhelm AJ, Major A, Davies S, Linton MF, **Kon V**. Oral Activated Charcoal Adsorbent (AST-120) Inhibition of Chronic Kidney Damage (CKD)-induced Atherosclerosis Involves Modulation of Intestinal Immunity. Presented at ATVB 2016 Scientific Sessions, 05/2016.

Zhong J, Yang HC, Tsuchida Y, Matsusaka T, Fogo AB, **Kon V**. Disruption of glomerular permeability barrier increases apolipoprotein AI (ApoAI) ultrafiltration which regulates interstitial lymphangiogenesis. Presented at the American Society of Nephrology, Chicago, IL, 11/2016.

Kaseda R, Tsuchida Y, Narita I, Ikizler TA, **Kon V**. Differential effects of angiotensin II receptor blocker (ARB) vs ACE inhibitor (ACEI) on HDL functionality in patients on maintenance hemodialysis (MHD). Presented at the American Society of Nephrology, Chicago, IL, 11/2016.

Shen Y, Davies S, Linton MF, **Kon V**. Scavenging of lipid aldehydes lessens kidney injury-driven atherosclerosis. Presented at the American Society of Nephrology, Chicago, IL, 11/2016.

Tsuchida Y, Zhong J, Linton MF, Fogo AB, Yang HC, **Kon V**. Proteinuria without impairment in kidney function or kidney scarring potentiates development of atherosclerosis. Presented at the American Society of Nephrology, Chicago, IL, 11/2016.

Tsuchida Y, Zhong J, Dikalova A, Ikizler TA, Fogo AB, Yang HC, **Kon V**. Podocyte damage is mitigated by normal HDL. Presented at the American Society of Nephrology, Chicago, IL, 11/2016.

Clark AJ, Jabs KL, Hunley TR, Jones DP, VanDeVoorde III RG, Anderson C, Zhong J, **Kon V**. Urinary apolipoprotein A-I (apoAI): Potential new marker of tubulointerstitial kidney disease (TID). Presented as Pediatric Academic Society, San Francisco, CA, 05/2017.

Tsuchida Y, Zhong J, Anantharamaiah GM, Linton MF, Yang H, **Kon V**. Glomerular podocyte damage is mitigated by normal HDL and apoA1. Presented at Arteriosclerosis, Thrombosis, and Vascular Biology 2017 Scientific Sessions, Minneapolis, MN, 05/2017.

Zhong J, Yang H, Tsuchida Y, Matsusaka T, Fogo AB, Linton MF, Davies S, **Kon V**. Kidney injury affects metabolism and modification of apolipoprotein AI (ApoAI) promoting renal lymphangiogenesis. Presented at Arteriosclerosis, Thrombosis, and Vascular Biology 2017 Scientific Sessions, Minneapolis, MN, 05/2017.

Wiese CB, Xu ZQ, Zhang Y, Guo Y, Zhong J, Ramirez MA, Zhu W, Linton MF, Kon V, Vickers KC. Chronic Kidney Disease-Associated Atherosclerosis is Attenuated by Dual Inhibition of microRNA-92a and microRNA-489. Presented at the Arteriosclerosis, Thrombosis, and Vascular Biology 2017 Scientific Sessions, Minneapolis, MN, 05/2017.

Tsuchida Y, Zhong J, Ikizler TA, Fogo AB, Matsusaka T, Yang H, Kon V. Lipoproteins modulate podocyte damage and proteinuria. Presented at the American Society of Nephrology Kidney Week, New Orleans, LA, 11/2017.

Hung AM, Tsuchida Y, Nowak K, Sarkar S, Chonchol M, Salas N, Huang J, Linton MR, Ikizler TA, Kon V. IL-1 Inhibition Improves HDL Functionality in CKD. Presented at the American Society of Nephrology Kidney Week, New Orleans, LA, 11/2017

Zhong J, Banan B, Albaugh VL, Tsuchida Y, Yancey PG, Wiese CB, Vickers KC, Yang H, Kon V. Nephrotic Syndrome Modulates Flow and Composition of Mesenteric Lymph. Presented at the American Society of Nephrology Kidney Week, New Orleans, LA, 11/2017

**Kon V**. Lipoproteins link proteinuria, renal disease and atherosclerosis. University of Kentucky Cardiovascular Seminar Series, Lexington, KY. 02/2018.

Zhong J, Yang HC, Matsusaka T, Fogo AB, Linton MF, Davies S, Kon V. Scavenging Reactive Dicarbonyls Improves Renal Injury: Role of Urinary Isolevuglandin-modified Lipoproteins and Renal Lymphangiogenesis. Presented at the American Society of Nephrology Kidney Week, San Diego, CA, 11/2018.

Otsuka T, Yang HC, Banan B, Kon V. Proteinuric Renal Injury Modulates Intestinal Lymphangiogenesis and Functionality of Plasma and Lymphatic HDL. Presented at the American Society of Nephrology Kidney Week, San Diego, CA, 11/2018.

Otsuka T, Kaneko Y, Kaseda R, Yamamoto S, Kon V, Narita I. Assessment of Plasma Refilling Rate in Dialysis Patients Using Plasma Body Weight Index Can Predict Intra-dialytic Hypertension. Presented at the American Society of Nephrology Kidney Week, San Diego, CA, 11/2018.

Shelton EL, Yang H-C, Zhong J, **Kon V**. Furosemide dilates renal lymphatic vessels and may contribute to edema formation. Presented at theNorth American Vascular Biology Organization (NAVBO) meeting, Monterey, CA, 10/2019.

Shelton EL, Yang H-C, Zhong J, **Kon V**. Renal lymphatic vessel dysfunction contributes to edema formation in nephrotic syndrome. Presented at theNorth American Vascular Biology Organization (NAVBO) meeting, Monterey, CA, 10/2019.

Zhong J, Shelton EL, Yang HC, **Kon V**. Impaired lymphatic vessel function contributes to edema in nephrotic syndrome. Presented at the American Society of Nephrology Kidney Week, Washington, DC, 11/2019.

**Kon V**.  Gut: Kidney Axis: A New Target. Presented at the American Society of Nephrology Kidney Week, Washington, DC, 11/2019.

Zhong J, Liu J, SheltonEL, Delpire E, YangH-C, Kon V. Modified lipoproteins modulate renal lymphatic vessel vasodynamics via NKCC1 on lymphatic endothelial cells. Presented by ZOOM at the American Society of Nephrology Kidney Week, 11/2020.

**Rene VanDeVoorde, MD**

Projects:

Randomized, Open-Label, Parallel Group Study to Assess the Safety and Efficacy of Hectorol® (doxercalciferol capsules) in Pediatric Patients with Chronic Kidney Disease Stages 3 and 4 with Secondary Hyperparathyroidism not yet on Dialysis, Sanofi Pharmaceuticals.

Recent Publications:

Misurac JM, **VanDeVoorde RG**, Kallash M, Iorember FM, Luckritz KE, Rheault MN, Jetton JG, Turman MA, Kapur G, Twombley KE, Hashmat S, Weaver DJ, Leiser JD, Nailescu C. Immunogenicity of Augmented vs. Standard Dose Hepatitis B Vaccine in Pediatric Dialysis Patients: A Midwest Pediatric Nephrology Consortium Study. *Clin J Am Soc Nephrol*, 8 May 2017; 12 (5): 772-8.

Varnell CD, Fukuda T, Kirby CL, Martin LJ, Warshaw BL, Patel HP, Chand DH, Barletta GM, VanWhy SK, **VanDeVoorde RG**, Weaver DJ, Wilson A, Verghese PS, Vinks AA, Greenbaum LA, Goebel J, Hooper DK. Mycophenolate mofetil-related leukopenia in children and young adults following kidney transplantation: Influence of genes and drugs. [*Pediatr Transplant*](https://www.ncbi.nlm.nih.gov/pubmed/28869324), Nov 2017; 21 (7): [10.1111/petr.13033](https://dx.doi.org/10.1111/petr.13033).

Clark AJ, Jabs K, Hunley TE, Jones DP, **VanDeVoorde RG**, Anderson C, Du L, Zhong J, Fogo AB, Yang H, Kon V. Urinary apolipoprotein AI in children with kidney disease. *Pediatric Nephrology,* Jun 2019; 34 (11): 2351-60.

Book Chapters or Invited Reviews:

**VanDeVoorde RG**. Prescribing Peritoneal Dialysis in Children, in Handbook of Dialysis Therapy, 5th edition. Nissenson AR, Fine RN, eds. 2017, Elsevier: Philadelphia.

**VanDeVoorde RG**. Vesicoureteral Reflux: Special Considerations and Specific Populations. *Current Bladder Dysfunction Reports*. 15: 275-82. Nov 2020.

Richardson TL, **VanDeVoorde RG**. Pediatric Hypertension. Outpatient Medicine-Pediatrics Curriculum available on Access Medicine through McGraw-Hill.

**VanDeVoorde RG**. Prescribing Peritoneal Dialysis in Children, in Handbook of Dialysis Therapy, 6th edition. Nissenson AR, Fine RN, Mahotra R, Zaritsky JJ, eds. 2022, Elsevier: Philadelphia.

Posters and Presentations:

Clark AJ, Jabs K, Hunley TE, Jones DP, **VanDeVoorde RG**, Anderson C, Zhong J, Kon V. “Urinary apolipoprotein A-I (apoAI): Potential new marker of tubulointerstitial kidney”. Poster, Pediatric Academic Society (PAS) Annual Meeting, May 2017, San Francisco, CA.

Hunley TE, Yackley J, Guelich SF, Garman K, **VanDeVoorde RG**, Jones DP, Dunn JR, Jabs K. “Diarrhea Associated Hemolytic Uremic Syndrome (D+ HUS): A Single Center Experience from a High Incidence Area”. Poster, 6th International Conference on HUS and Related Disorders, Jun 2017, Innsbruck-Igls, Austria.

**VanDeVoorde RG**, McKay CP. Chronic Kidney Disease. Lectures, American Society of Pediatric Nephrology Board Review Course, Columbus, OH, Oct 2017.

**VanDeVoorde RG**, Chua AN. Chronic Kidney Disease. Lectures, American Society of Pediatric Nephrology Board Review Course, Columbus, OH, Sept 2019.

McCulloh R, **VanDeVoorde RG**. “The Routine and the Resistant: Urinary Tract Infections in Children” Presentation, American Academy of Pediatrics (AAP) National Conference and Exhibition, Oct 2020, on-line.

**VanDeVoorde RG**, Chua AM. Chronic Kidney Disease. Lectures, American Society of Pediatric Nephrology Board Review Course, on-line course, Sept 2021.