

THE UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH

DEPARTMENT OF UROLOGY

Curriculum Vitae


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PERSONAL DATA

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Personal:

Children: Eve Allegra Palmer, graduated *summa cum laude*, Loyola University Chicago, May 2022

EDUCATION

Undergraduate:

1987 - **B.A.**, University of Wisconsin Madison, Afro-American Studies Madison, WI

1998 - **B.S.**, University of Wisconsin Madison, Dietetics, Madison, WI

Post-Baccalaureate Dietetic Internship (accredited by the Commission on Dietetic Registration):

1999 – University of Wisconsin, University Hospital and Clinics, Madison, WI

Graduate:

2002 - **M.S.**, University of Wisconsin Madison, Nutritional Sciences, Madison, WI

2004 - **Ph.D.**, University of Wisconsin Madison, Nutritional Sciences, Madison, WI
(mentor, Sherry A. Tanumihardjo, PhD)

CERTIFICATIONS/ LICENSURE/ CREDENTIALS

Professional:

- **Registered Dietitian-Nutritionist (RDN)** - Commission on Dietetic Registration, #868356, since 1999
- **Certified Dietitian (CD)** - State of Wisconsin, #1444-029, since 2000
- **National Provider Identifier Standard (NPI)** - #1184953267, since 2009
- **Fellow of the Academy of Nutrition and Dietetics (FAND)**, since 2018
- **Licensed Dietitian Nutritionist (LDN)** - State of Illinois, #164008058, since 2020

Academic:

- **Principal Investigator (PI) status**, UW-Madison, since 2010

CURRENT POSITIONS

- 10/2022 – present **Co-Director/Co-PI, University of Wisconsin (UW)-Madison Summer Program for Undergraduate Urology Research (SPUUR)**. With co-director Chad Vezina, PhD (UW-Madison School of Veterinary Medicine), primary mission is to expand the breadth and diversity of the non-malignant genitourinary research workforce. Primary objective is to provide a paid, mentored, 12-week summer opportunity for undergraduate students from any college or university in the US to gain laboratory and clinical experience in non-malignant urologic research.
- 10/20 – present **Director/PI, UW-Madison U24 Urology Interactions Core**. Primary mission is to build and foster inter- and transdisciplinary collaborations among the non-malignant genitourinary research community. Primary objectives are to: develop and serve as the intellectual hub for the CAIRIBU Community, a group of NIDDK-funded urology Centers and Programs engaged in benign genitourinary research; provide leadership in team science; provide administrative support in communication, resource sharing, and funding; develop metrics to measure interactions success and identify areas for improvement; and disseminate results within the broader urologic research community.
- 09/20 – present **Clinical Preceptor**, UW-Madison Department of Nutritional Sciences. Supervise dietetic interns in clinical rotations; provide/oversee nutrition research opportunities.
- 06/05 – present **Senior Scientist** (promoted from Associate Scientist 08/2016; promoted to Associate from Assistant Scientist, 04/2008), UW-Madison School of Medicine and Public Health, Department of Urology, Madison, WI. Responsibilities include: design and implement clinical research protocols and programs related to nutrition and urologic diseases; apply for institutional and extramural funding as appropriate; present research at meetings and conferences; write manuscripts; provide education to faculty, staff, residents, students; and participate in weekly endourology research group meetings and other activities.
- 07/99 – present **Clinical Nutritionist**, UW Health University Hospital & Clinics, Madison, WI. Responsibilities include: provide medical nutrition therapy (MNT) to patients of University Hospital Urology Clinic with various urologic conditions (e.g., urolithiasis, bladder/prostate cancer); provide MNT as part of multidisciplinary stone prevention clinic; coordinate weekly conference on urolithiasis for urology and nephrology MDs, students, and other clinic providers; train clinical nutrition interns; develop and teach public outreach courses; develop written nutrition education materials for patients.

PRIOR POSITIONS

- 06/05 – 08/07 **Lecturer**, UW-Madison Department of Kinesiology, Madison, WI. Summer lecturer for introductory kinesiology course, “Exercise, Nutrition & Health.”
- 09/99 – 12/04 **Research Assistant/Teaching Assistant**, UW-Madison Department of Nutritional Sciences, Madison, WI. Graduate student in the laboratory of Dr. Sherry A. Tanumihardjo. Teaching Assistant for introductory level nutritional sciences course 132.
- 07/99 – 06/00 **Consultant**, UW Health University Hospital Department of Cardiothoracic Surgery, Madison, WI. Co-authored a nutrition guide and recipe book for UW Hospital transplant patients.
- 05/97 – 05/98 **Student Research Assistant**, UW-Madison, Laboratory of Dr. Rick Weindruch, Madison, WI. Research included: analysis of mouse serum and urine for DHEA; total body composition analysis of rats; coordination of campus-wide journal club meetings for Biology of Aging training grant staff.

HONORS, AWARDS, LEADERSHIP, AND DISTINCTIONS

- 2023 Invited moderator for the 2023 **American Urological Association** meeting session on medical management of urolithiasis
- 2023 Invited Reviewer for the 2023 **American Urological Association Urology Scientific Mentoring and Research Training Academy**

- 2023 Abstract selection committee member on the medical management of stones, **American Urological Association** meeting 2023
- 2022 Invited Reviewer for NIH-NIDDK KUH **Innovative Science Accelerator Program** awards
- 2022 Guidelines review panel, invited member, **International Alliance of Urolithiasis**
- 2022 Scientific Advisory Council, invited member, **Oxalosis and Hyperoxaluria Foundation**
- 2022 Invited reviewer for 2022 **Urology Care Foundation** Research Scholar Awards and Rising Stars in Urology Research Award
- 2022 Abstract selection committee member on the medical management of stones, **American Urological Association** meeting 2022
- 2021 Program planning committee member, **GUDMAP Jamboree 2021**, a conference for The GenitoUrinary Development Molecular Anatomy Project
- 2021 **NIH/NIDDK** Hematology Centers Program Consortium Management Board member
- 2021 **NIH/NIDDK** Polycystic Kidney Disease Consortium Management Board member
- 2021 Combined Steering and Workgroup Committee member, **The Oxalosis and Hyperoxaluria Foundation** Centers of Excellence
- 2021 Invited reviewer for 2021 **Urology Care Foundation** Research Scholar Awards and Rising Stars in Urology Research Award
- 2021 Abstract selection committee member, medical management of stones, **American Urological Association** meeting 2021
- 2020 Planning committee member, **NIDDK Series on Female Urethral Function and Failure**, to develop a series of seven weekly sessions to address advancing basic and translational research for genitourinary conditions: female urethral function and failure.
- 2019 Recipient, **Hilldale Undergraduate/Faculty Research Award**, UW-Madison Office of the Provost
- 2019 Invited reviewer for 2020 **Urology Care Foundation** Research Scholar Awards
- 2019 Abstract selection committee, medical management of stones session, **American Urological Association** meeting 2020
- 2018 Elected to 4-year term as Secretary-Treasurer of the **Research on Calculus Kinetics Society**
- 2018 Abstract selection committee, medical management of stones session, **American Urological Association** meeting 2019
- 2018 Program planning committee, **Research on Calculus Kinetics Society** meeting, April 2018
- 2017 Abstract selection committee, medical management of stones session, **American Urological Association** meeting 2018
- 2017 Scientific chair of the annual **Research on Calculus Kinetics Society** meeting, April 2017
- 2016 Abstract selection committee, medical management of stones session, **American Urological Association** meeting 2017
- 2015 “Best Poster” award, annual **North Central Section** meeting of the American Urological Association
- 2015 Abstract selection committee, medical management of stones session, American Urological Association 2016
- 2015 “Outstanding Reviewer” status for the journal **Urology** (Elsevier), top 10th percentile of reviewers
- 2013 Preceptor Appreciation Award from the **UW Health University Hospital and Clinics Dietetic Internship Program**
- 2012 “Best Poster” award, annual **North Central Section** meeting of the American Urological Association
- 2010 **Women in Science & Engineering Leadership Institute** award (UW-Madison)
- 2010 **Professional Development Recognition Committee** academic staff award (UW-Madison)
- 2010 “Best Poster” award, annual **North Central Section** meeting of the American Urological Association
- 2008 “Best Poster” award, annual **American Urological Association** meeting
- 2008 **American Urological Association Foundation** Research Scholar fellowship award
- 2006 Abstract selected for press conference presentation at the 2006 meeting of the **American Urological Association**
- 2005 “First Author Paper Award” from the **Research Dietetic Practice Group** of the American Dietetic Association
- 2005 Preceptor Appreciation Award from dietetic interns of the **UW Health University Hospital & Clinics Internship Program**
- 2004 Preceptor Appreciation Award from dietetic interns of the **UW Health University Hospital & Clinics Internship Program**

- 2004 **UW-Madison** Vilas Travel Fellowship
- 2003 **American Dietetic Association Foundation** scholarship award
- 2003 **UW-Madison Department of Nutritional Sciences** nominee for the Louis and Elsa Thomsen Wisconsin Distinguished Fellowship Award for graduate students in the College of Agriculture and Life Sciences
- 2002 **UW-Madison** Goessling/Linkswiler Travel Scholarship
- 2002 **UW Agricultural and Life Sciences Alumni Association** Graduate Travel Grant
- 2001 **UW-Madison** Goessling/Linkswiler Travel Scholarship
- 1998 “Outstanding Dietetics Student” award for **Wisconsin Didactic Programs in Dietetics**

PROFESSIONAL AFFILIATIONS

- Research on Calculus Kinetics (ROCK) Society
- American Urological Association (AUA)
- North Central Section of the AUA
- Society for Basic Urologic Research
- Endourological Society
- Academy of Nutrition and Dietetics

RESEARCH GRANTS, PROJECT AWARDS, FELLOWSHIPS

CURRENT

- **NIH-NIDDK Education Program Grant (R25DK130838).** Project title: “*Summer Program in Undergraduate Urology Research (SPUUR).*” Role: Co-Principal Investigator. Status: ongoing; project period 2022-2027. Award: **\$500,000**
- **NIH-NIDDK Resource-Related Cooperative Agreement (U24DK127726).** Project title: “*Urology Centers Program Interactions Core (U24).*” Role: Principal Investigator. Status: ongoing; project period 2020-2025. Award: **\$3,750,000**
- **Wisconsin Urologic Research Institute.** Project title: “Continuing the efforts of the UW-Madison Department of Urology as the coordinating center for the North American stone quality of life consortium.” Role: Principal Investigator. Status: ongoing; project period 2020-2022. Award: **\$18,193**

COMPLETED

- 2020... **NIH-NIDDK Administrative Supplement to Existing Grant (U54DK104310-04; PI, Will Ricke, PhD).** Project title: “*Collaborating for the Advancement of Interdisciplinary Research in Benign Urology.*” Role: Interim Director of Interactions. Status: completed.
- 2018... **NIH-NIDDK (1R0PMSN4433).** Project title: “*Metabiome of male lower urinary tract syndrome.*” Role: Co-Investigator. Status: completed.
- 2016... **UW-Madison Department of Urology Research and Development Funds.** Project title: “*Feasibility of strategies to reduce kidney stone risk by increasing fluid intake.*” Role: PI. Status: completed. Award: **\$7,405**
- 2013... **UW-Madison Institute for Clinical and Translational Research.** Project title: “*A porcine model to study calcium oxalate urolithiasis: from the barn to the bedside.*” Role: PI. Status: completed. Award: **\$50,000**
- 2011... **UW Health Medical Foundation “Ambulatory Care Innovation Grant.”** Project title: “*Strategies to prevent and reduce kidney stones (SPARKS): shared medical appointments.*” Role: Co-PI (co-PI, R.A. Jhagroo, UW-Madison School of Medicine & Public Health-nephrology). Status: completed. Award: **\$24,730**
- 2010... **Vilas Life Cycle Award, UW-Madison Women in Science & Engineering Leadership Institute.** Project title: “*Strategies to Prevent and Reduce Kidney Stones (SPARKS): mastering nutrient analysis techniques.*” Role: Principal Investigator. Status: completed. Award: **\$17,509**
- 2010... **UW Medical School Research Committee grant program.** Project title: “*Over-the-counter dietary supplements: an overlooked contributor to patients’ urinary oxalate excretion and kidney stone risk?*” Role: Principal Investigator. Status: completed. Award: **\$7,500**; matching funds from Department of Urology
- 2010... **UW-Madison Academic Staff Professional Development Grant Program Award.** Project title: “*Development of ion chromatography skills for urological research.*” Role: Recipient. Status: completed. Award: **\$1,500**

- 2008...**American Urological Association Foundation Research Scholar Program.** Project title: “*Medical nutrition therapy for urolithiasis: assessing quality of life.*” Status: completed. Amount awarded: **salary support, 2 years**; matching funds from Department of Urology for research. Mentor: Stephen Y. Nakada, MD
- 2007...**UW School of Medicine and Public Health, Department of Surgery grant.** Project title: “*Assess kidney stone risk and incidence in patients following bariatric surgery for morbid obesity.*” Role: Co-investigator (SY Nakada and JC Gould, co-PIs). Status: completed. Award: **\$25,000**
- 2006...**UW Health “Ambulatory Care Innovation Grant.”** Project title: “*Kidney Stone Connection - interactive, web-based, patient focused education on kidney stones.*” Role: Co-investigator (SY Nakada, PI). Status: completed. Award: **\$25,000**
- 2005...**UW Hospital and Clinics “Quality Through Safety Grant.”** Project title: “*Assess functional status, well-being, and other quality of life measures in patients with recurrent kidney stones.*” Role: Co-investigator (SY Nakada, PI). Status: completed. Award: **\$10,000**
- 2003...**National Dairy Council “3-A-Day of Dairy” grant** for promoting dairy foods to youth, UW grant 133-GA84. Role: Co-investigator (SA Tanumihardjo, PI). Status: completed. Award: **\$5,000**
- 2002...**UW Graduate School grant** for research proposal for PhD thesis, UW grant 135-2146. Role: Co-investigator (SA Tanumihardjo, PI). Status: completed

REVIEWER ACTIVITIES

2023-present Société Internationale d’Urologie Journal
 2023-present *Asian Journal of Urology*
 2022-present *Translational Andrology and Urology*
 2022-present *Journal of Pediatric Urology*
 2022-present *Nature Reviews Urology*
 2022-present *eClinicalMedicine* (part of *The Lancet Discovery Science*)
 2022-present *Expert Review of Clinical Pharmacology*
 2022-present *Kidney and Dialysis*
 2021-present *Sports*
 2021-present *Investigative and Clinical Urology Journal*
 2020-present *Journal of Public Health*
 2019-present *Scientific Reports*
 2019-present *BMC Urology*
 2019-present *Journal of Renal Nutrition*
 2018-present *Nutrients*
 2017-present *PLoS One*
 2016-present *American Journal of Nephrology*
 2015-present *Patient Preference and Adherence*
 2015-present *British Medical Journal*
 2014-present *The Journal of Nutrition*
 2014-present *Clinical Journal of the American Society of Nephrology*
 2013-present *The Journal of Translational Medicine*
 2013-present *Journal of Endourology*
 2013-present *International Journal of Urology*
 2012-present *Expert Opinion on Pharmacotherapy*
 2012-present *International Brazilian Journal of Urology*
 2011-present *The Journal of Urology*
 2010-present *American Journal of Clinical Nutrition*
 2010-present *Health and Quality of Life Outcomes*
 2009-present *Urolithiasis* (previously *Urological Research*)
 2007-present *Urology*

BOOKS (from most recent)

- “**Diagnosis and Management of Pediatric Nephrolithiasis.**” Eds. Neil Paloian, **Kristina L. Penniston**, Springer Nature, 2022.
- “**Nutrition Therapy for Urolithiasis.**” Eds., Patrick Lowry, **Kristina L. Penniston**, Springer International Publishing, 2018.
- “**Pocket Guide to Kidney Stone Prevention.**” Eds., Manoj Monga, **Kristina L. Penniston**, David S. Goldfarb, Springer Publishing, 2015.

INVITED BOOK CHAPTERS AND REVIEWS, ARTICLES (from most recent)

- “**What’s new in dietary management for kidney stones?**” Article in: American Urological Association News, Nov 2022.
- “**There is no role for a low oxalate diet in current era stone management.**” Article in: American Urological Association News, Feb 2022.
- “**Academic research collaboration.**” Revised chapter in: Navigating Organized Urology: A Practical Guide (2nd edition), eds. Stephen Y. Nakada and Sutchin Patel, Springer Publishing; 2022.
- “**Dietary prophylaxis.**” Chapter in: Urolithiasis. Diagnostik, Therapie, Prävention, eds. Thomas Knoll and Arkadiusz Miernik, Springer International Publishing; 2020.
- “**Academic research collaboration.**” Chapter in: Navigating Organized Urology: A Practical Guide, eds. Stephen Y. Nakada and Sutchin Patel, Springer Publishing; 2019.
- “**Diet fads and stones: is your diet all cracked up to what it is supposed to be?**” Chapter in: Kidney Stone Disease: Say NO to Stones!, ed. David A. Schulsinger, Springer Publishing; 2015.
- “**Nutrition recommendations to prevent kidney stones: realistic dietary goals and expectations.**” Chapter in: Kidney Stone Disease: Say NO to Stones!, ed. David A. Schulsinger, Springer Publishing; 2015.
- “**Controversies in the management of high urine oxalate as a risk factor for idiopathic calcium oxalate urolithiasis.**” Chapter in: Practical Controversies in the Medical Management of Stone Disease, eds. Margaret S. Pearle and Stephen Y. Nakada, Springer Publishing; 2013.
- “**Dietary stone prevention.**” Chapter in: Clinical Urolithiasis, eds. Thomas Knoll and Margaret Pearle, Springer Publishing; 2013.
- “**Medical nutrition therapy for urolithiasis.**” Article in the quarterly publication (vol. 30, no. 4) of the Medical Nutrition Practice Group of the Academy of Nutrition and Dietetics (formerly the American Dietetic Association); 2011.
- “**Role of diet in stone prevention.**” Chapter in: Urolithiasis: medical and surgical management, eds. Stephen Y. Nakada and Margaret S. Pearle, Informa Healthcare; 2009.

PUBLICATIONS IN PEER-REVIEWED JOURNALS (from most recent)

1. **Penniston KL**, Allmaras JM (2022). Collaborating for the advancement of interdisciplinary research in benign urology (CAIRIBU): outcomes, effectiveness, and future directions of annual CAIRIBU meetings. *Am J Clin Exp Urol* 10(6):440-448. PMID: 36636697
2. Popovics P, **Penniston KL** (2022). Current research and future directions in non-malignant urologic research – proceedings of the annual CAIRIBU meeting. *Am J Clin Exp Urol* 10(6):449-461. PMID: 36636691
3. Zeng G, Zhu W, Robertson WG, **Penniston KL**, Smith D, Pozdzik A, Tefik T, Prezioso D, Pearle MS, Chew BH, Veser J, Fiori C, Deng Y, Straub M, Türk C, Semins MJ, Wang K, Marangella M, Jia Z, Zhang L, Ye Z, Tiselius HG, Sarica K (2022). International Alliance of Urolithiasis (IAU) guidelines on the metabolic evaluation and medical management of urolithiasis. *Urolithiasis* 51(1):4. PMID: 36454329
4. Haas CR, Knoedler MA, Li S, Gralnek DR, Best SL, **Penniston KL**, Nakada SY (2023). Pulse-modulated holmium:YAG laser vs the thulium fiber laser for renal ureteral stones: a single-center prospective randomized clinical trial. *J Urol* 209(2):374-383. PMID: 36621994
5. Haas CR, Li S, Knoedler M, **Penniston KL**, Nakada SY (2022). Ureterscopy and shock wave lithotripsy trends from 2012-2019 within the US Medicare dataset: sharp growth in ureterscopy utilization. *J Endourol* Nov 3(online ahead of print). PMID: 36205599

6. Miller AW, **Penniston KL**, Fitzpatrick K, Agudelo J, Tasian G, Lange D (2022). Mechanisms of the intestinal and urinary microbiome in kidney stone disease. *Nat Rev Urol* 19(12):695-707. PMID: 36127409
7. Betz MV, **Penniston KL** (2022). Primary contributors to dietary acid load in patients with urolithiasis. *J Ren Nutr* S1051-2276(22):00107-8. PMID: 35752401
8. Raizenne BL, Deyirmendjian C, Bechis SK, Sur RL, Nakada SY, Antonelli JA, Streeper NM, Sivalingam S, Viprakashit DP, Averch TD, Landman J, Chi T, Pais VM, Chew BH, Bird VG, Andonian S, Canvasser NE, Harper JD, **Penniston KL**, Bhojani N (2022). The duration of stone disease and the impact of a stone event on patients' quality of life. *J Endourol* 36(10):1371-1376. PMID: 35722905
9. Li S, Quarrier S, Serrell E, **Penniston KL**, Nakada S (2022). Should we treat asymptomatic concurrent contralateral renal stones? A longitudinal analysis. *Urolithiasis* 50(1):71-77. PMID: 34272594
10. Knoedler M, Shuang L, Best S, Hedican S, **Penniston KL**, Nakada S (2022). Clinical impact of the institution of moses technology on efficiency during retrograde ureteroscopy for stone disease: single center experience. *J Endourol* 36(1):65-70. PMID: 34235963
11. Wong, VK, Bhojani, N, Bird, V, Streeper, N, Nakada, S, **Penniston, KL**, Chew, B (2021). Quality of life of urolithiasis patients during the COVID-19 pandemic: a multi-institutional cross-sectional study. *J Endourol* 36(6):798-806. PMID: 34569279
12. Roedel M, Nakada S, **Penniston KL** (2021). Sulfamethoxazole-induced sulfamethoxazole urolithiasis: a case report. *BMC Urol* 21(1):133. PMID: 34535099
13. **Penniston KL** (2021). Is it time to retire the low-oxalate diet? Yes. *J Endourol* 35(10):1431-1434. PMID: 34520254
14. Li S, Iremashvili V, Vernez S, **Penniston KL**, Jhagroo R, Best S, Hedican S, Nakada, S (2021). Effect of stone composition on surgical stone recurrence: single center longitudinal analysis. *Can J Urol* 28(4):10744-10749. PMID: 34378509
15. Kachroo N, Lange D, **Penniston KL**, Stern J, Tasian G, Bajic P, Wolfe A, Suryavanshi M, Ticinesi A, Meschi T, Monga M, Miller A (2021). Meta-analysis of clinical microbiome studies in urolithiasis reveal age, stone composition, and study location as the predominant factors in urolithiasis-associated microbiome composition. *mBio* 12(4):e0200721. PMID: 34372696
16. Okada T, Hamamoto S, Taguchi K, Okada S, Inoue T, Fukuta H, Chew B, **Penniston K**, Okada A, Yasui T (2021). Validation of the Japanese version of the Wisconsin stone quality of life questionnaire (WISQOL): results from SMART study group. *J Endourol* 35(12):1852-1856. PMID: 34162226
17. Kachroo N, Lange D, **Penniston KL**, Stern J, Tasian G, Bajic P, Wolfe A, Suryavanshi M, Ticinesi A, Meschi T, Monga M, Miller A (2021). Standardization of microbiome studies for urolithiasis: an international consensus agreement *Nat Rev Urol* 18(5):303-311. PMID: 33782583
18. Thomas S, Dunn CD, Campbell LJ, Strand DW, Vezina CM, Bjorling DE, **Penniston KL**, Li L, Ricke WA, Goldberg TL (2021). A multi-omic investigation of male lower urinary tract symptoms: potential role for JC virus. *PLoS One* 16(2):e0246266. PMID: 33630889
19. Streeper NM, **Penniston KL** (2021). Editorial Reply. *Urology* 148:81-82. PMID: 33549231
20. Streeper NM, **Penniston KL** (2021). Letter-to-the-Editor Reply. Reply to letter by Tonyali S, re: is stone-free status after surgical intervention for kidney stones associated with better health-related quality of Life? A multicenter study from the North American stone quality of life consortium. *Urology* 154:e21. PMID: 33497722
21. Tapiero S, Limfuco L, Bechis SK, Sur RL, **Penniston KL**, Nakada SY, Antonelli JA, Streeper NM, Sivalingam S, Viprakashit DP, Averch TD, Okhunov Z, Patel RM, Chi T, Pais VM Jr, Chew BH, Bird VG, Andonian S, Bhojani N, Canvasser NE, Landman J (2021). The impact of the number of lifetime stone events on quality of life: results from the North American Stone Quality of Life Consortium. *Urolithiasis* 49(4):321-326. PMID: 33409555
22. Streeper NM, Galida M, Boltz S, Li S, Nakada SY, Raffin EP, Brown DR, Pais VM, Chan JYH, Scotland KB, Chew BH, **Penniston KL** (2021). Is stone-free status after surgical intervention for kidney stones associated with better health-related quality of life? – a multicenter study from the North American stone quality of life consortium. *Urology* 148:77-82. PMID: 33290774
23. Nguyen DD, Luo JW, Lu XH, Bechis SK, Sur RL, Nakada SY, Antonelli JA, Streeper NM, Sivalingam S, Viprakashit DP, Averch TD, Landman J, Chi T, Pais VM Jr, Chew BH, Bird VG, Andonian S, Canvasser NE, Harper JD, **Penniston KL**, Bhojani N (2021). Estimating the health-related quality of life kidney stone patients: initial results from the Wisconsin stone quality of life machine-learning algorithm (WISQOL-MLA). *BJU Int* 128(1):88-94. PMID: 33205549

24. Lim JRZ, Scotland KB, Bechis SK, Sur RL, Nakada SY, Antonelli JA, Streeper NM, Sivalingam S, Viprakasit DP, Averch TD, Landman J, Chi T, Pais VM, Jr, Bird VG, Andonian S, Bhojani N, Canvasser NE, Harper JD, **Penniston KL**, Chew BH (2020). Response to: Khusid, Atallah, and Gupta re: "Metabolic syndrome negatively impacts stone-specific quality of life." *J Endourol* 34(11):1209-1210. PMID: 33197227
25. Lundeen C, Lim JRZ, Scotland KB, Ardekani RS, **Penniston KL**, Streeper NM, Chi T, Landman J, Viprakasit DP, Chew BH (2020). What is the relationship of stress to patients' kidney stone-related quality of life? *Can Urol Assoc J* 15(5):e256-e260. PMID: 33119497
26. Bjojani N, Moussaoui G, Nguyen DD, Trudel MJ, Topouzian GS, Topouzian NG, **Penniston KL**, Andonian S (2020). Validation of the French version of the Wisconsin stone quality of life (WISQOL) questionnaire for patients with nephrolithiasis. *Can Urol Assoc J* 15(4):e227-e231. PMID: 33007174
27. Quarrier S, Li S, **Penniston KL** et al (2020). Lower socioeconomic status is associated with adverse urinary markers and surgical complexity in kidney stone patients. *Urology* 146:67-71. PMID: 32991913
28. **Penniston KL** (2020). Diet and kidney stones: the ideal questionnaire. *Eur Urol Focus* 7(1):9-12. PMID: 32958415
29. Lim J, Scotland K, Bechis S, Sur R, Nakada S, Antonelli J, Streeper N, Sivalingam S, Viprakasit D, Averch T, Landman J, Chi T, Pais V, Bird V, Andonian S, Bhojani N, Canvasser N, Harper J, **Penniston KL**, Chew B (2020). Metabolic syndrome negatively impacts stone-specific quality of life. *J Endourol* 34(11):1203-1208. PMID: 32689819
30. Modersitzki F, Goldfarb DS, Goldstein RL, Sur RL, **Penniston KL** (2019). Assessment of health-related quality of life in patients with cystinuria on tiopronin therapy. *Urolithiasis* 48(4):313-320. PMID: 31834425
31. Narang GL, Wiener LE, **Penniston KL**, Antonelli JA, Averch TD, Sivalingam S, Chew BH, Bird VG, Pais VM Jr, Sur RL, Chi T, Streeper NM, Nakada SY, Koch GG, Viprakasit DP (2019). The effect of travel distance on health-related quality of life for patients with nephrolithiasis. *Can Urol Assoc J* 48:313-20. PMID: 31702546
32. **Penniston KL**, Palmer EA, Medenwald RJ et al (2019). Oxalate content of enteral nutrition formulas. *J Pediatr Gastroenterol Nutr* 69:e135-40. PMID: 31425365
33. Miller A, Choy D, **Penniston KL**, Lange D (2019). Inhibition of urinary stone disease by a multi-species bacterial network ensures healthy oxalate homeostasis. *Kidney Int* 96:180-88. PMID: 31130222
34. Stern KL, Gao T, Antonelli JA, Viprakasit DP, Averch TD, Chi T, Chew BH, Bird VG, Pais VM Jr, Streeper NM, Sur RL, Nakada SY, **Penniston KL**, Sivalingam S (2019). Association of patient age and gender with kidney stone related quality of life. *J Urol* 202:309-13. PMID: 31026215
35. Iremashvili V, Li S, **Penniston KL**, Best SL, Hedican SP, Nada SY (2019). External validation of the ROKS nomogram in a surgical cohort. *J Endourol* 33:475-79. PMID: 30880452
36. Ahmad TR, Tzou DT, Usawachintachit M, Reliford-Titus S, Wu C, Goodman J, Antonelli JA, Viprakasit DP, Averch TD, Sivalingam S, Chew BH, Bird VG, Pais VM Jr, Streeper NM, Sur RL, Nakada SY, **Penniston KL**, Chi T (2019). Low income and non-White race are strongly associated with worse quality of life for nephrolithiasis patients. *J Urol* 202:119-24. PMID: 30865567
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INVITED PARTICIPATION, PRESENTATIONS, LECTURES – International/national

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|---------|---|
| 05/2023 | Invited debater , 2023 Research on Calculus Kinetics Society meeting at the annual American Urological Association meeting; Chicago, IL; <i>“Empirical vs. targeted nutrition therapy”</i> |
| 05/2023 | Invited lecturer , 2023 Research on Calculus Kinetics Society meeting at the annual American Urological Association meeting; Chicago, IL; <i>“Magnesium: the neglected mineral”</i> |
| 04/2023 | Invited speaker , Young Endourology Society luncheon at the 2023 American Urological Association meeting, Chicago, IL; <i>“Collaboration in Research”</i> |
| 04/2023 | Invited plenary participant , 2023 American Urological Association meeting; Chicago, IL; <i>“Controversies in urology: what do patients really need to know for preventing stone recurrence?”</i> |
| 02/2023 | Invited lecturer , Urology Grand Rounds, Cedars-Sinai Medical Center (Los Angeles, CA), virtual; <i>“Metabolic and dietary management of stone disease”</i> |
| 01/2023 | Invited lecturer , Nutritional Science weekly seminar series, University of Wisconsin-Madison; Madison, WI; <i>“From bench to bedside and beyond: a journey from nutritional sciences to interdisciplinary collaborative genitourinary research”</i> |
| 01/2023 | Invited lecturer , Urology Grand Rounds, University of Wisconsin School of Medicine and Public Health; Madison, Madison, WI; <i>“Prevention of urolithiasis with diet”</i> |
| 12/2022 | Invited lecturer , Urology Residents, Penn State University, virtual; <i>“Dietary therapy for stone prevention”</i> |
| 10/2022 | Invited lecturer , annual meeting of the Endourological Society, World Congress of Endourology & Technology; San Diego IL, <i>“What have we learned about health-related quality of life in stone formers?”</i> |

- 06/2022 **Invited lecturer**, annual symposium of the George M. O'Brien Urology (U54) Center at the University of Wisconsin School of Medicine and Public Health, Madison, WI; *"Resources and opportunities in benign urology research"*
- 06/2022 **Invited panelist**, Graduate Women in Science 2022 annual national conference, Madison, WI; *"Women in underrepresented fields"* panel
- 04/2022 **Invited lecturer**, combined Urology Grand Rounds, Houston Methodist and Baylor College of Medicine, virtual; *"Medical nutrition therapy for stone prevention"*
- 03/2022 **Invited speaker**, Royal Society of Medicine, meeting of the Urology Section, London, UK; *"Dietary prevention of urolithiasis"*
- 12/2021 **Invited speaker**, Urology Interagency Coordinating Committee, virtual; *"Evolution of the CAIRIBU Interactions Core as a Model to Advance Research in Benign Urology"*
- 09/2021 **Invited plenary panelist**, American Urological Association meeting, virtual; *"Complementary medicine for kidney stone formers – where is the evidence?"*
- 09/2021 **Invited speaker**, ROCK (Research on Calculus Kinetics) Society at American Urological Association meeting, virtual; *"Medical management of stone formers"*
- 07/2021 **Invited moderator**, Endourological Society Masterclass in Endourology and Robotics, virtual; *"Quality of life in stone disease"*
- 05/2021 **Invited lecturer**, ROCK (Research on Calculus Kinetics) 2021 Virtual Annual Meeting, *"Omeprazole lowers 24-Hour urinary magnesium excretion in patients with a history of urolithiasis"*
- 05/2021 **Invited moderator**, ROCK (Research on Calculus Kinetics) 2021 Virtual Annual Meeting, *"Building interdisciplinary research collaborations in urolithiasis to address critical knowledge gaps and advance the clinical care of patients who form kidney stones"*
- 05/2021 **Invited lecturer**, University of Kentucky Grand Rounds, virtual; *"Dietary management of urinary stone disease"*
- 01/2021 **Invited lecturer**, University of Wisconsin-Madison, Department of Urology Grand Rounds, virtual; *"Prevention of urolithiasis with diet"*
- 01/2021 **Invited lecturer**, Endourological Society Masterclass in Endourology and Robotics, virtual; *"Medical management of stone disease – practical approach for the endourologist,"*
- 01/2021 **Invited Moderator**, Washington University School of Medicine, Annual CRePHS Symposium, virtual; *"Poster session and roundtable discussion."*
- 07/2020 **Debate panelist**, American Urological Association, annual meeting; virtual; *"Diet versus medication for kidney stone prevention: which is best?"*
- 10/2019 **Plenary lecturer**, World Congress of Endourology, annual meeting of the Endourological Society, Abu Dhabi, UAE; *"Quality of life instruments for urolithiasis"*
- 10/2019 **Course faculty**, World Congress of Endourology, annual meeting of the Endourological Society, Abu Dhabi, UAE; *"Role of diet on formation and growth of kidney stones"*
- 10/2019 **Invited course faculty**, Food and Nutrition Conference and Expo, Philadelphia, PA; *"Medical nutrition therapy for kidney stones"*
- 09/2019 **Keynote lecturer**, Asian Institute of Nephrology and Urology meeting on kidney stones, Hyderabad, India; 2 talks: (1) *"Myths and truths: role of diet in nutritional therapy for urolithiasis,"* and (2) *"Nutritional therapy and evaluation"*
- 07/2019 **Keynote lecturer**, Specialty Hospital of Yucatan, Merida, Yucatan, Mexico: (a) *"Global impact of stones,"* and (b) *"Nutritional management of stones"*
- 05/2019 **Plenary panelist**, American Urological Association, annual meeting; Chicago, IL; *"Complex cases in stone disease"*
- 05/2019 **Invited lecturer**, Research on Calculus Kinetics (ROCK) Society symposium at the annual meeting of the American Urological Association, Chicago, IL; *"Improving compliance with dietary modifications"*
- 09/2018 **Course faculty**, American Society of Nephrology course on the evaluation and management of kidney stones, San Diego, CA; *"Multidisciplinary stone clinic"*
- 08/2018 **Keynote lecturer**, Urological Society of Chile course on endourology, Pontificia Catholica University of Chile, School of Medicine, Santiago, Chile; 4 talks: (1) *"Evidence for nutritional management of urolithiasis;"* (2) *"What beverages protect against urolithiasis and why?"* (3)

- “Individualizing nutrition therapy to metabolic studies and stone analyses;” and (4) “Hot topics of the day for patients with urolithiasis”
- 06/2018 **Invited lecturer**, Penn State Medical School, Department of Urology, Hershey, PA; 2 talks: (1) “Medical nutritional therapy for kidney stone prevention and urologic cancer care” and (2) “Medical nutrition therapy for urolithiasis: a guide for dietitians”
- 05/2018 **Invited lecturer**, Research on Calculus Kinetics (ROCK) Society symposium at the annual meeting of the American Urological Association, San Francisco, CA; “Diet is all you need”
- 10/2017 **Plenary lecturer**, World Congress of Endourology, annual meeting of the Endourological Society, Vancouver, Canada; “Animal models of urolithiasis”
- 10/2017 **Invited lecturer**, annual meeting of the Northeastern Section of the American Urological Association, Savannah, GA; “Health-related quality of life of stone formers”
- 09/2017 **Invited lecturer**, 2017 Uehling Lectures, Madison, WI: “Improving cancer care through nutrition”
- 05/2017 **Plenary lecturer**, American Urological Association, annual meeting; Boston, MA, “Quality of life in stone disease”
- 11/2016 **Invited speaker**, American Society of Nephrology, annual meeting; Chicago, IL, “How to get patients to follow dietary recommendations for stone prevention”
- 11/2016 **Course faculty**, World Congress of Endourology, annual meeting of the Endourological Society; Capetown, South Africa
- 10/2016 **Invited speaker**, National Congress of the Turkish Association of Urology; Northern Cyprus Turkish Republic, “Dietary prevention of kidney stones”
- 05/2016 **Invited speaker**, Research on Calculus Kinetics Society meeting at the annual meeting of the American Urological Association; San Diego, CA, “Best nutrition assessment strategies”
- 10/2015 **Plenary lecturer**, World Congress of Endourology, annual meeting of the Endourological Society; London, UK, “Population based stone studies”
- 12/2014 **Invited speaker**, Experts in Stone Disease conference, Cape Town, South Africa, “Stones, bones, and scones: nutritional aspects of stone disease”
- 10/2014 **Invited lecturer**, New England Section of the American Urological Association annual meeting, Newport, RI: “Nutritional therapy for stones”
- 05/2014 **Co-panelist in plenary session**, annual American Urological Association meeting, Orlando, FL: “Animal models of urolithiasis”
- 02/2014 **Invited lecturer**, Community Urologic Education Series, UW School of Medicine and Public Health, Department of Urology, Madison, WI: “Prostate cancer”
- 12/2013 **Invited webinar lecturer**, Academy of Nutrition and Dietetics: “Medical nutrition therapy for urolithiasis (kidney stones),” Dec. 4, 2013
- 09/2013 **Invited lecturer**, Community Urologic Education Series, UW School of Medicine and Public Health, Department of Urology, Madison, WI: “Kidney stone update”
- 11/2012 **Invited lecturer**, fall symposium of the Urology Nursing Society on the topic of medical nutrition therapy for urologic diseases, Madison, WI
- 11/2012 **Invited lecturer**, 2012 Uehling Lectures, Madison, WI: “Dietary implications in urolithiasis”
- 06/2012 **Member of American Urological Association guidelines panel** for first-ever guidelines on the medical management of urolithiasis (chair, Margaret S. Pearle, MD)
- 05/2012 **Co-panelist in plenary session**, annual American Urological Association meeting, Atlanta, GA: “Influence of vitamin D and calcium on stone risk”
- 05/2012 **Research scholar presentation**, 2012 Research Forum of the annual American Urological Association meeting, Atlanta, GA: “Development of a disease-specific instrument to measure stone formers’ health-related quality of life”
- 11/2011 **Invited lecturer**, 25th Annual North American Cystic Fibrosis Conference in symposium on nutritional needs of patients with cystic fibrosis, Anaheim, CA
- 08/2011 **Visiting Professor**, Glickman Urological and Nephrology Institute combined grand rounds, Cleveland Clinic, Cleveland, OH: “Nutritional prevention of urolithiasis”
- 05/2011 **Invited debate participant**, Research on Calculus Kinetics Society meeting at the American Urological Association meeting, Washington, DC:
- 04/2011 **Invited lecturer**, Minnesota Urological Society spring seminar, Minneapolis, MN: “Dietary management of urolithiasis”
- 09/2010 **Invited lecturer and panelist**, 24th Annual North American Cystic Fibrosis Conference, Baltimore, MD: “Risk of urolithiasis in patients with cystic fibrosis”

- 09/2010 **Member of Key Informant Panel**, U.S. Agency for Healthcare Research and Quality, whose task was to develop a topic refinement document for a project reviewing the evidence of benefits and harms associated with treatments for preventing kidney stones, University of Minnesota Evidence-Based Practice Center, Minneapolis, MN.
- 04/2009 **Invited panelist**, Society of Women in Urology meeting, an educational forum at the American Urological Association annual meeting, Chicago, IL: *“Medical management of stone disease”*

ORAL PRESENTATIONS OF RESEARCH ABSTRACTS

1. Podium presentation at the annual meeting of the **North Central Section of the American Urological Association**: *Omeprazole lowers 24-hour urinary magnesium excretion in patients with a history of urolithiasis: single center experience*. Chicago, IL; **October 2021**
2. Podium presentation at the annual meeting of the **North Central Section of the American Urological Association**: *Clinical comparison of non-prescription over-the-counter urinary alkalinizing agents: effects on urinary citrate excretion and urine pH*. Chicago, IL; **October 2021**
3. Podium presentation at the annual meeting of the **American Urological Association**: *Clinical comparison of non-prescription over-the-counter urinary alkalinizing agents: effects on urinary citrate excretion and urine pH*. virtual; **September 2021**
4. Podium presentation at the annual meeting of the **American Urological Association**: *Increasing fluid intake to reduce stone recurrence: is more technology better?* San Francisco, CA; **May 2018**
5. Presentation at annual meeting of the **Research on Calculus Kinetics (ROCK) Society**: *Holobionic perspective on oxalate metabolism*. Rochester, NY; **April 2018**
6. Podium presentation at the annual meeting of the **North Central Section of the American Urological Association**: *Do patients who rely on tube feeding have a higher risk of kidney stones?* Amelia Island, FL; **November 2015**
7. Podium presentation at the annual meeting of the **American Urological Association**: *The perception of having renal calculi may affect disease-specific health-related quality of life in asymptomatic stone patients*. New Orleans, LA; **May 2015**
8. Podium presentations (3) at the annual meeting of the **Wisconsin Urological Association**: (1.) *Patients taking topiramate can increase their urinary citrate excretion with potassium citrate*; (2.) *Patients attending shared medical appointments for metabolic stone prevention have decreased stone risk similar to or moreso than patients attending individual appointments*; and (3.) *A new porcine model of enteric hyperoxaluria mimics human effects for urinary risk factors and renal damage*. Milwaukee, WI; **April 2015**
9. Podium presentation at the annual meeting of the **American Urological Association**: *Stone prevention with medical management: factors affecting compliance and adherence*. Orlando, FL; **May 2014**
10. Podium presentations (2) at the annual meeting of the **American Urological Association**: (1.) *Spot specific gravity measures predict 24-h urine volumes: a new clinical tool for biofeedback in meeting volume recommendations*; and (2.) *Calcium oxalate lithiasis induces renal tubular injury and fibrosis in a porcine model*. New Orleans, LA; **May 2013**
11. Podium presentations (3) at the annual meeting of the **North Central Section meeting of the American Urological Association**: (1.) *Emerging interest in dietary phytate as inhibitor of calcium urolithiasis: dietary assessment in stone formers*; (2.) *Spot specific gravity predicts 24-h urine volume: a clinical biofeedback tool for stone formers*; and (3.) *Compliance with the DASH diet for stone prevention*. Chicago, IL; **October 2012**
12. Podium presentation at the annual meeting of the **North Central Section meeting of the American Urological Association**: *Does 24-h urinary sodium accurately predict sodium intake?* Chicago, IL; **October 2012**
13. Podium presentation at the annual meeting of the **American Urological Association**: *Does 24-h urinary excretion of sodium accurately predict sodium intake?* Atlanta, GA; **May 2012**
14. Podium presentation at the annual meeting of the **American Urological Association**: *Development of a disease-specific instrument to measure stone formers' health-related quality of life*. Washington, DC; **May 2011**
15. Presentation at annual meeting of the **Research on Calculus Kinetics (ROCK) Society**: *Development of a disease-specific instrument to measure stone formers' health-related quality of life*. Los Angeles, CA; **November 2010**

16. Podium presentations (2) at the annual meeting of the **North Central Section meeting of the American Urological Association**: (1.) *Differences in reported oxalate content of foods: implications for calcium oxalate urolithiasis*; (2.) *Dietary analysis of patients with stable urolithiasis: does nutrition therapy make a difference?* Chicago, IL; **September 2010**
17. Podium presentations (3) at the annual meeting of the **North Central Section meeting of the American Urological Association**: (1.) *Patient attitudes toward prevention of urolithiasis*; (2.) *Gastric band placement for obesity is not associated with urolithiasis risk compared to the Roux-en-Y gastric bypass*; and (3.) *Commercial, over-the-counter supplements contain clinically significant oxalate*. Scottsdale, AZ; **November 2009**
18. Podium presentation at the annual meeting of the **American Urological Association**: *Laparoscopic gastric band placement for obesity is not associated with increased metabolic risk factors for urolithiasis compared to the Roux-en-Y gastric bypass*. Chicago, IL; **April 2009**
19. Presentation at annual meeting of the **Research on Calculus Kinetics (ROCK) Society**: *Vitamin D repletion does not increase urinary calcium excretion in healthy postmenopausal women*. Durham, NC; **June 2008**
20. Podium presentation at the annual meeting of the **American Urological Association**: *Effect of dietary changes on urinary oxalate excretion in hyperoxaluric calcium oxalate stone formers*. Orlando, FL; **May 2008**
21. Podium presentation at the annual **North Central Section meeting of the American Urological Association**: *Quantitative assessment of citric acid in lemon juice, lime juice, and commercially available lemonade and limeade products: implications for dietary stone prevention*. Hollywood, FL; **October 2007**
22. Podium presentation at the annual **North Central Section meeting of the American Urological Association**: *Bodily pain and perceptions of general health are compromised in patients, especially women, with kidney stones*. Hollywood, FL; **October 2007**
23. Presentation at annual meeting of the **Wisconsin Urological Association**: *Bodily pain is greater and perceptions of general health are compromised in patients, especially women, with kidney stones*. Madison, WI; **April 2007**
24. Presentation at annual meeting of the **Research on Calculus Kinetics (ROCK) Society**: *Nutritional effectors of urinary citrate*. Dallas, TX; **March 2007**
25. Podium presentation at the annual **North Central Section meeting of the American Urological Association**: *Lemonade therapy with or without potassium citrate results in therapeutic urinary citrate and higher urine volumes in recurrent calcium oxalate stone formers*. Coronado, CA; **September 2006**
26. Oral presentation at **Experimental Biology meeting** symposium on osteoporosis and vitamin A: *Fasting retinyl esters are not elevated in postmenopausal women with and without osteoporosis*. San Diego, CA; **April 2005**
27. Oral presentation at **Experimental Biology meeting** symposium on retinoids: *High doses of retinyl ester induce transient increases in 4-oxoretinol and β -glucuronide metabolites in lactating sows*. Washington DC; **April 2004**
28. Lectures (5), on various topics related to nutrition and elderly, given at the **UW Medical School** continuing medical education conference on geriatrics. Green Bay, WI; **January 2003, 2004, & 2005**
29. Oral presentation at **Experimental Biology** meeting symposium on retinoids: *Vitamin A profiles of serum and milk in supplemented lactating sows*. New Orleans, LA; **April 2002**.

POSTER PRESENTATIONS OF RESEARCH ABSTRACTS

1. **Penniston KL**, *Preliminary results from the CAIRIBU progress survey: part of a collaborative evaluation of a consortium of NIDDK-funded research programs focused on non-malignant urologic diseases and disorders*. **Society of Basic Urology Research meeting**, Orlando, FL; **November 2022**
2. **Penniston KL**, *Building an interactive poster session into a virtual urology research meeting during the COVID-19 pandemic: successes, challenges, and lessons learned*. **Society of Basic Urology Research meeting**, Orlando, FL; **November 2022**
3. **Penniston, KL**, *Seasonal and COVID pandemic-related variations in patients' self-reported adherence to nutrition recommendations for stone prevention suggest temporal increases in stone recurrence risk*. **World Congress of Endourology and Uro-Technology**, virtual; **September 2021**

4. **Penniston, KL**, Li, S, Nakada, S. *Development of the short form of the Wisconsin stone quality of life (WISQOL) questionnaire for assessing the health-related quality of life of patients with urolithiasis.* **World Congress of Endourology and Uro-Technology**, virtual; **September 2021**
5. **Penniston, KL**, Li, S, Nakada, S, Jhagroo, RA. *Omeprazole lowers 24-Hour urinary magnesium excretion in patients with a history of urolithiasis: single center experience.* **World Congress of Endourology and Uro-Technology**, virtual; **September 2021**
6. **Penniston, KL**. *Sodium bicarbonate does not increase urinary calcium excretion and is an effective urinary alkalization strategy: single center experience.* **World Congress of Endourology and Uro-Technology**, virtual; **September 2021**
7. **Penniston, KL**, Li, S, Nakada, S, Jhagroo, RA. *Omeprazole lowers 24-Hour urinary magnesium excretion in patients with a history of urolithiasis: single center experience.* **American Urological Association meeting**, virtual; **September 2021**
8. **Penniston, KL**, Li, S, Nakada, S. *Development of the short form of the Wisconsin stone quality of life (WISQOL) questionnaire for assessing the health-related quality of life of patients with urolithiasis.* **American Urological Association meeting**, virtual; **September 2021**
9. **Penniston, KL**, Baker, L. *Calcium oxalate stones, blood ionized calcium, and hypercalciuria are associated with genes affecting arachidonic acid metabolism in a dog model.* **Duke University 2021 Duke Multidisciplinary Benign Urology Research Symposium**. virtual; **April 2021**
10. **Penniston KL**, Quarrier S, Li S, Jhagroo RA. *Baking soda exerts a significant alkalinizing effect in patients with urolithiasis without increasing urinary calcium excretion.* **American Urological Association meeting**, virtual; **June 2020**
11. **Penniston KL**, Coughlin MM, Jhagroo RA. *Is there an app for that? Patient and provider preferences for promoting hydration with mobile phone apps: a strategy for increasing urine volume and decreasing stone risk.* **American Urological Association meeting**, Chicago, IL; **May 2019**
12. **Penniston KL**, Jhagroo RA, Nakada SY. *How do patients' perceptions of their kidney stones affect their confidence in treatment to control stones and their urinary risk?* **World Congress of Endourology**, Paris, France; **September 2018**
13. **Penniston KL**, Poseilski NM, Nakada SY, Jhagroo RA. *Magnesium supplementation improves both urinary citrate and magnesium excretion.* **World Congress of Endourology**, Paris, France; **September 2018**
14. **Penniston KL**, Palmer EA, Medenwald RJ, Johnson SN, John LM, Beshensky DJ, Saeed IA. *Enteral nutrition formulas with higher oxalate content may contribute to higher oxalate absorption and urinary excretion in patients requiring nutrition support.* **World Congress of Endourology**, Paris, France; **September 2018**
15. **Penniston KL**, Coughlin MM, Leister EJ, Jhagroo RA. *Relative validity of a dietary screening tool to identify risk factors for urolithiasis.* **American Urological Association meeting**, San Francisco, CA; **May 2018**
16. **Penniston KL**, Li S, Antonelli JA, Viprakasit DP, Averch TD, Sivalingam S, Chi T, Chew BH, Bird VG, Pais VM Jr, Streeper NM, Landman J, Nakada SY. *Comorbidities affect the health-related quality of life of patients with urolithiasis: cross-sectional analysis from the North American stone quality of life consortium.* **American Urological Association meeting**, San Francisco, CA; **May 2018**
17. **Penniston KL**, Palmer EA, Medenwald RC, Johnson SN, John LM, Beshensky DJ, Saeed IA. *Enteral nutrition formulas with higher oxalate content may contribute to higher oxalate absorption and urinary excretion in patients requiring nutrition support.* **American Urological Association meeting**, San Francisco, CA; **May 2018**
18. **Penniston KL**, Hansen KE, Staples AC, Nakada SY, Jhagroo RA. *Long-term treatment of vitamin D insufficiency or deficiency in postmenopausal women with hypercalciuria does not increase urinary calcium excretion.* **American Urological Association meeting**, San Francisco, CA; **May 2018**
19. Pham A, **Penniston KL**, Cisu T, Sternberg K. *What do our patients learn about diet and stones in the emergency department setting?* **American Urological Association meeting**, San Francisco, CA; **May 2018**
20. Miller AW, Zampini AM, Nguyen A, Rose E, Monga MM, Choy D, Lange D, **Penniston KL** (presenting author). *Calcium oxalate kidney stones and bacterial oxalate degradation in the human GI tract: the role of collaborative bacterial networks.* Madison Microbiome Meeting, Madison, WI; **April 2018**

21. **Penniston KL**, Hansen KE, Nakada SY, Jhagroo RA. *Long-term treatment of vitamin D insufficiency or deficiency in postmenopausal women with hypercalciuria does not increase urinary calcium excretion. World Congress of Endourology*, Vancouver, Canada; **November 2017**
22. **Penniston KL**, Averch TD, Antonelli JA, Viprakasit DP, Sivalingam S, Sur RL, Pais VM, Chew BH, Bird VG, Nakada SY. *Preliminary results from a prospective, longitudinal, multi-center trial of the Wisconsin stone quality of life questionnaire. American Urological Association meeting*, San Diego, CA; **May 2016**
23. **Penniston KL**, Nakada SY. *Patient attitudes toward medical management for recurrent urolithiasis. World Congress of Endourology*, London, UK; **October 2015**
24. **Penniston KL**, Wertheim ML, Jhagroo RA, Nakada SY. *Nutritional recommendations for stone prevention: what do patients remember? World Congress of Endourology*, London, UK; **October 2015**
25. **Penniston KL**, Antonelli JA, Averch TD, Viprakasit DP, Sur RL, Bird VG, Nakada SY. *The Wisconsin stone quality of life questionnaire: baseline results from a prospective, longitudinal, multi-center validation study. American Urological Association meeting*, New Orleans, LA; **May 2015**
26. Wertheim ML, Jhagroo RA, **Penniston KL**. *Do patients remember dietary recommendations for stone prevention? American Urological Association meeting*, New Orleans, LA; **May 2015**
27. **Penniston KL**, Bennett DA, John LM, Zars EL, Crenshaw TD. *A new porcine model of enteric hyperoxaluria mimics effects of high oxalate absorption in humans. American Urological Association meeting*, New Orleans, LA; **May 2015**
28. **Penniston KL**, Bell R, Nakada SY. *Stone prevention with medical management: factors affecting compliance and adherence. American Urological Association annual meeting*, Orlando, FL; **May 2014**
29. **Penniston KL**, Bell R, Nakada SY. *Convergent validity of a new outcome measure for patients with urolithiasis: the Wisconsin stone quality of life survey. American Urological Association annual meeting*, Orlando, FL; **May 2014**.
30. **Penniston KL**, Nakada SY. *Women stone formers have reduced quality of life compared to men due to lower energy, more sleep disturbances, and anxiety. American Urological Association annual meeting*, New Orleans LA; **May 2013**
31. **Penniston KL**, Jhagroo RA, Nakada SY. *Topiramate results in a rapid and progressive decline in urinary citrate over 60 days: a prospective study. American Urological Association annual meeting*, New Orleans LA; **May 2013**
32. Bell R, Falk RN, Nakada SY, **Penniston KL**. *A novel food frequency questionnaire for stone formers accurately assesses specific nutritional lithogenic risk factors. American Urological Association annual meeting*, New Orleans LA; **May 2013**
33. Neumaier ER, DuBenske LL, Hoyt WT, Nakada SY, **Penniston KL**. *A randomized, prospective intervention suggests positive role of behavioral health counseling in recurrent stone formers. American Urological Association annual meeting*, New Orleans LA; **May 2013**
34. Best SL, Shiau J, Bell R, **Penniston KL**. *Higher hemoglobin A1C is associated with a greater likelihood of uric acid stone formation: is control of diabetes important for stone prevention? American Urological Association annual meeting*, New Orleans LA; **May 2013**
35. Best SL, Sivalingam S, **Penniston KL**, Nakada SY. *Radiographic and laboratory data allows medical management in the absence of stone analysis. American Urological Association annual meeting*, New Orleans LA; **May 2013**
36. **Penniston KL**, Stroup BM, Nakada SY. *The "Dash Diet" for stone prevention: how difficult is compliance? American Urological Association annual meeting*, Atlanta GA; **May 2012**
37. RA Jhagroo, **Penniston KL**, Nakada SY. *BMI as a predictor of 24-hour urine collection accuracy. National Kidney Foundation spring clinical meeting*, National Harbor, MD; **May 2012**
38. RA Jhagroo, **Penniston KL**, Nakada SY. *Spot specific gravity measurement in predicting 24-h urine volume in kidney stone formers. National Kidney Foundation spring clinical meeting*, National Harbor, MD; **May 2012**
39. RA Jhagroo, **Penniston KL**, Nakada SY. *Accuracy of 24-hour urine collection for evaluation for nephrolithiasis. National Kidney Foundation spring clinical meeting*, National Harbor, MD; **May 2012**
40. RA Jhagroo, **Penniston KL**, Nakada SY. *Factors predicting medical and nutritional therapy adherence for recurrent nephrolithiasis. American Society of Nephrology meeting*, Philadelphia, PA; **November 2011**
41. **Penniston KL**, Wojciechowski K, Nakada SY. *The salt shaker provides less than 15% of total sodium intake in stone formers: food strategies to reduce sodium are needed. American Urological Association annual meeting*, Washington, DC; **May 2011**

42. **Penniston KL**, Wojciechowski K, Nakada SY. *Dietary oxalate: What's important and what isn't for patients with calcium oxalate stones?* **American Urological Association annual meeting**, Washington, DC; **May 2011**
43. **Penniston KL** & Nakada SY. *A QOL instrument for patients with urolithiasis: conceptual foundation and item selection.* **North Central Section of the American Urological Association**, Chicago, IL; **September 2010**
44. **Penniston KL**, Wojciechowski K, Nakada SY. *Differences in the reported oxalate content of foods: implications for designing research studies and for counseling calcium oxalate stone formers.* **American Urological Association annual meeting**, San Francisco, CA; **May 2010**
45. **Penniston KL**, Nakada SY, Knight J, Hinsdale ME, Holmes RP. *Ingestion of commercial supplements may provide clinically significant amounts of oxalate.* **American Urological Association annual meeting**, Chicago, IL; **April 2009**
46. **Penniston KL**, Nakada SY, Hansen KE. *Vitamin D repletion does not alter urinary calcium excretion in postmenopausal women.* **American Urological Association annual meeting**, Orlando, FL; **May 2008.**
47. **Penniston KL**, Nakada SY, Holmes RP, Assimos DG. *Quantitative assessment of citric acid in lemon juice, lime juice, and commercially available fruit juice products: implications for kidney stone prevention.* **American Urological Association annual meeting**, Anaheim, CA; **May 2007.**
48. **Penniston KL** & Nakada SY. *Bodily pain and perceptions of general health are compromised in patients, especially women, with kidney stones.* **American Urological Association annual meeting**, Anaheim, CA; **May 2007.**
49. **Penniston KL** & Nakada SY. *Bodily pain and perceptions of general health are compromised in patients, especially women, with kidney stones.* **24th World Congress of Endourology**, Cleveland, OH; **August 2006.**
50. **Penniston KL**, Steele TH, Nakada SY. *Lemonade therapy with and without potassium citrate results in increased urinary citrate and urine volumes in recurrent calcium oxalate stone formers in a metabolic stone clinic.* **24th World Congress of Endourology**, Cleveland, OH; **August 2006.**
51. **Penniston KL**, Steele TH, Nakada SY. *Medical management of calcium oxalate stone formers with lemonade results in therapeutic urinary citrate and higher urine volumes than those on potassium citrate therapy.* **American Urological Association annual meeting**, Atlanta, GA; **May 2006.**
52. Mills JP, **Penniston KL**, Tanumihardjo SA. *Determination of extrahepatic tissue vitamin A concentrations in captive rhesus and marmoset monkeys.* **Experimental Biology meeting**, Washington DC; **April 2004.**
53. **Penniston KL** & Tanumihardjo SA. *Enhanced vitamin A in serum, liver and milk in lactating sows following a dose of preformed vitamin A.* **International Vitamin A Consultative Group**, Marrakech, Morocco; **February 2003.**
54. **Penniston KL** & Tanumihardjo SA. *Vitamin A profiles of serum and milk in supplemented lactating sows.* **Experimental Biology meeting**, New Orleans, LA; **April 2002.**
55. **Penniston KL** & Tanumihardjo SA. *Effects of vitamin A supplementation on serum, milk, and liver of lactating sows.* **Wisconsin Dietetic Association annual meeting**, Fond du Lac, WI; **April 2002.**
56. **Penniston KL** & Tanumihardjo SA. *High hepatic vitamin A in monkeys fed standard chow.* **James Olson Memorial Symposium on Retinoids & Carotenoids**, Ames, IA; **June 2001.**
57. **Penniston KL** & Tanumihardjo SA. *High hepatic vitamin A in monkeys fed standard chow.* **Experimental Biology meeting**, Orlando, FL; **April 2001.**

EXTRACURRICULAR ACADEMIC ACTIVITIES AND ACADEMIC SERVICE

- Chair, **Elections Sub-Committee**, University of Wisconsin School of Medicine and Public Health Committee on Academic Staff Issues, 2022-2023
- Elected member, **UW-Madison Professional Development and Recognition Committee**, 2020-present
- Elected member, **University of Wisconsin School of Medicine and Public Health Committee on Academic Staff Issues**, 2020-present
- Founder and editor of the **UW Health Journal of Nutrition and Dietetics**: 2018-present. This is a quarterly journal showcasing the clinical academic and research efforts of UW Health Clinical Nutrition and Culinary Departments.
- Chair and member, **Clinical Nutrition Advancement and Recognition Council**, UW Health Hospital and Clinics, Clinical Nutrition Services, 2013-2017

- Member, **American Urological Association** guidelines panel on the medical management of kidney stones, 2013-2015
- Member, 2012 conference planning committee, **Wisconsin Dietetic Association**, 2011-2012
- Coordinator, monthly professional education series for clinical nutritionists and other nutrition staff in the **Clinical Nutrition Services Department** of the UW Hospital and Clinics Authority, 2009-2012
- Co-investigator, **American Dietetic Association** Nutrition Quality of Life study, 2007
- Media contact, **Wisconsin Dietetic Association**, 2006-08
- Expert reviewer, **American Dietetic Association's** Standardized Language Task Force, 2005-06
- Course development: 2003-04, organized a graduate student seminar (offered spring semester, 2004, **UW-Madison Nutritional Sciences Department**) from conception to completion. The seminar provided hands-on learning in finding, formulating, and applying for a research grant. Students wrote grants and participated in a simulated peer review process. Advisor: Dr. Dale Schoeller.
- **Undergraduate mentoring during graduate school:** 2002-05, trained and mentored 3 undergraduates: (1.) research project for senior honors thesis (9/02-4/03), resulting in publication; (2.) provided training, background information and assistance related to competitive undergraduate research award; designed experiment, and trained on methodology (4/03-5/04), resulting in abstract/poster presentation at 2004 EB meeting; and (3.) research project for independent study (1/04-5/04).
- **Journal clubs:** Participated in and initiated various journal clubs in Nutritional Sciences, Animal Science, and Clinical Health Sciences from 7/99 through the present.

TEACHING AND MENTORING

- **Mentor**, project for dkNET Summer of Data Internship awarded to UW-Madison undergraduate student (R. Medenwald and Muen Wang), June 2021 and June 2022, respectively.
- **Co-Instructor**, American Urological Association annual meeting course, May 2011-2019. Developed and taught a course at annual AUA meetings; course renewed consecutively through 2019. Course title, "Nutrition Counseling for the Prevention of Urolithiasis," (course director, Patrick Lowry, MD).
- **Member of dissertation committee:** 2010-2012, served as research mentor and committee member for PhD candidate in Counseling Psychology at UW-Madison.
- **Undergraduate and medical student independent research study**, 2005-2020. Mentored 46 students through volunteer and paid hourly research positions and independent research studies, including from Biology 152 (UW-Madison), and from 3 programs of the School of Medicine and Public Health: Rural and Urban Scholars in Community Health, and the Shapiro Medical Student Scholarship program.
- **Preceptor**, University of Wisconsin Hospital & Clinics dietetic internship program, July 1999-present. Provided yearly talks to clinical nutrition interns on subject of metabolic stone disease, provided clinical rotation through Metabolic Stone Clinic, provided direction to interns selecting stone disease as their case study and/or clinical nutrition presentation, and involved and supervised interns in work related to research activities.
- **Lecturer**, Madison Senior Scholars program, Madison, WI, June-August 2001. Developed and taught a 16-lecture course on nutrition and aging for senior citizens of a summer residency program. Earned 2 credits toward PhD minor in Aging Studies. Class size approx. 50. Advisor: Dr. Janet Greger.
- **Teaching Assistant**, Nutritional Sciences 132, "Nutrition Today," UW-Madison, 1999-2000. Conducted weekly discussion sessions, developed review materials, met individually with students, proctored exams, developed and presented lectures in-class, and developed and contributed questions for all exams. Class size approx. 600. Class Instructor: Pete Anderson, MS, RD.

PERSONAL AND COMMUNITY SERVICE ACTIVITIES

- President, Belleville School District Music Boosters, 2014-2019
- Secretary, Village of Belleville Community Club, Belleville, WI, 2012-2016
- Member, Belleville School District parent/teacher school board committee to re-evaluate school-wide human growth and development curriculum, 2009-2011

- Consultant, Belleville School District, Belleville, WI, for analysis of the District's nutrition services program, 2008
- Elected member, Board of Directors for the Madison Central Montessori School, 2005-06
- Member of organizing committee, annual Muscular Dystrophy Association fundraiser, 2003-08
- Speaker, various public speaking engagements for 4H groups and girl scouts and boy scouts in southern Wisconsin on issues related to dairy intake and health (re: National Dairy Council "3-A-Day of Dairy" grant), 2003-04
- Developed and taught courses on nutrition and aging, nutrition and kidney stones, and nutrition and prostate cancer for UW Hospital and Clinics Health Bound program, 2000-05
- Author, numerous written articles on nutrition issues for local newspapers and school newsletters, 1999-07
- Developed and led a nutrition/ fitness program for elderly at the Belleville Senior Center, 1998-99
- Speaker, numerous public speaking engagements at support groups, churches, schools, and communities on topics including nutrition and kidney stones, nutrition and prostate cancer, nutrition and aging, nutrition and osteoporosis, nutrition and weight loss, and sports nutrition since 1998, activities ongoing through the present
- Author, numerous written articles and handouts for newspapers, newsletters, and patient education since 1998, activities ongoing
- Organizer, annual bike race fundraiser for the Belleville Community Club, 1997 through 2019

INTERNATIONAL EXPERIENCE

- Clinical presentation in London, UK
- Clinical and scientific presentations in Hyderabad, India
- Clinical presentations in Merida, Yucatan Peninsula, Mexico
- Clinical and research presentations in Paris, France
- Clinical and research presentations in Vancouver, Canada
- Clinical presentations in Santiago, Chile
- Clinical and scientific presentations in Turkish Republic of Northern Cyprus
- Plenary presentations in London, United Kingdom
- Clinical research presentations in Cape Town, South Africa
- Scientific presentation in Marrakech, Morocco
- Delegations involving health care and work projects in El Salvador
- Community action speaking tour in Norway

URL to full list of published work (PubMed):

<https://www.ncbi.nlm.nih.gov/pubmed/?term=penniston+kl>

Link to full publication list, including published meeting abstracts (Web of Science):

<https://www.webofscience.com/wos/woscc/summary/0fecd1a0-cb36-42c2-96b1-486447a0ddeb-22ca2dd0/relevance/1>

Link to profile page on the UW-Madison Department of Urology website:

<https://urology.wisc.edu/blog/staff/penniston-phd-kristina/>

Link to webpage devoted to the Wisconsin Stone Quality of Life questionnaire:

<https://urology.wisc.edu/research/wisqol/>