

Program Committee 2018

David Bushinsky, MD
Benjamin K. Canales, MD, MPH
Margaret S. Pearle, MD, PhD
Kristina L. Penniston, PhD, RDN
Khashayar Sakhaee, MD
Elaine Worcester, MD

Friday – April 13th

12:00 - 12:30 Registration

12:30 Welcome and Introduction of Ziya Kirkali – David Bushinsky, MD

Ziya Kirkali, MD - NIH Stone Research Opportunities

Session One: Stones In Silico

Moderators: Benjamin K. Canales, MD, MPH and Andrew Rule, MD

1:10 John Hollingsworth, MD, MS - Understanding Unplanned Healthcare Encounters After Ambulatory Stone Surgery: Lessons From a Statewide Clinical Collaborative Quality Initiative

1:30 Mitra R. de Cógáin, MD - Metabolic Stone Management in the Era of the EMR: A Novel Automated System for Evaluation and Treatment of Kidney Stone Patients

1:50 Andrea Ferrero, PhD - The Mayo Clinic Quantitative Stone Analysis Software: Stone Metrics for Clinical Practice and Research

2:10 Thomas Chi, MD (nominee) – Registry-Based Clinical Trials for Urinary Stone Disease

2:30 David J. Sas, DO, MPH (nominee) – The Collaborative Research on Children's Kidney Stones (CROCKS) Registry – Progress So Far

2:50 Brian Matlaga, MD, MPH - Techniques of Image Processing to Improve Stone Management

3:10 Ryan Hsi, MD - Natural Language Processing-Based Phenotyping of Kidney Stone Formers from Electronic Health Records

3:30 - 3:50 Coffee Break & Networking with the Exhibitors

Session Two: Approach to Stones

Moderators: Elaine Worcester, MD and Casey Dauw, MD

- 3:50 Mantu Gupta, MD - The Case for Metabolic Testing of Bladder Stone Patients
- 4:10 Justin B. Ziemba, MD - Understanding the Health-Related Quality of Life of Individuals With Renal Stones Who Choose Treatment: What is the Best Metric?
- 4:30 Kevan Sternberg, MD - What Do Our Patients Learn About Diet and Stones in the Emergency Department Setting?
- 4:50 Casey Dauw, MD (nominee) - Practice-Level Variation in Postoperative Imaging Use Following Ureteroscopy: Lessons from a Statewide Clinical Collaborative Quality Initiative
- 5:10 Brenton Winship, MD - I'll Be Back - Psychiatric History and Prior ER Use Predict Emergency Returns Following Ureteroscopy
- 5:30 Andrew Rule, MD – Predicting the Recurrence of Kidney Stones
- 5:50 Tribute to Fred Coe
Elaine Worcester, MD, John Asplin, MD and Fred Coe, MD
- 6:20 Day 1 Program Concludes
- 6:20 - 7:30 Networking Cocktail Reception

Saturday - April 14th

- 6:45 - 7:30 Breakfast & Registration
- 7:30 **Thomas Knoll, MD, PhD, MSc**– Areas of Interest, Cooperation and Research between EULIS and ROCK

Session Three: Bacteria and Geology

Moderators: Khashayar Sakhaee, MD and Lama Nazzal, MD, MSc

- 8:00 Joshua Stern, MD (nominee) - Influence of the Gut Microbiome on Urinary Stone Disease Risk
- 8:20 Aaron Miller (nominee) - Designing Next Generation Bacteriotherapies for the Prevention of Urinary Stone Disease
- 8:40 Casey Chamberlain - Metabolomic Characterization of Oxalobacter Formigenes and Other Oxalotrophs by High-Resolution LC-MS
- 9:00 Lama Nazzal, MD, MSc - Oxalate Metabolism by Gut Bacteria
- 9:20 Jessica J. Saw - Geobiology Reveals how Kidney Stones Dissolve In Vivo
- 9:40 – 10:00 Coffee Break & Networking with the Exhibitors

Session Four: Race, Gender and Species

Moderators: Manoj Monga, MD, FACS, FRCS (Glasg.) and Thomas Chi, MD

- 10:00 Anna L. Zisman, MD (nominee) - Racial Differences in Urinary Metabolic Risk Factors for Calcium Nephrolithiasis
- 10:20 Megan L. Prochaska, MD - Menopause and the Risk of Kidney Stones
- 10:40 Chawnschang Chang, PhD- Targeting the Androgen Receptor/Vitamin D Receptor to Suppress the Nephrocalcinosis
- 11:00 Eva Furrow, VMD, PhD - Updates on the Canine Model of Calcium Oxalate Urolithiasis
- 11:20 Jody Lulich, DVM, PhD - Homology Between Striated Feline Nephroliths and Human Nephroliths Attached to Randall's Plaque
- 11:40 Elaine Worcester, MD – The Relation Between Gender and Urine pH in Normal Subjects and Stone Formers
- 12:00 - 1:00 Lunch
- 1:00 **Guohua Zeng, MD** – Stone Disease in China

Session Five: Science of Stones

Moderators: Kristina L. Penniston, PhD, RDN and Davis Viprakasit, MD

- 1:30 Jeff Wesson, PhD, MD- Stone matrix proteomics: Variations by stone type and by species
- 1:50 Kristina L. Penniston, PhD, RDN, Aaron Miller (nominee), and Dirk Lange, PhD- A Holobionic Perspective on Oxalate Metabolism
- 2:10 Muthuvel Jayachandran, PhD, FAHA- Urinary Extracellular Vesicles as Novel Biomarkers of Urinary Stone Disease
- 2:30 Naim Maalouf, MD - Determinantes of Urinary Citrate Excretion
- 2:50 Blake Anderson, MD - Insights to Stone Type and Pathogenesis from a Validated Renal Papillary Grading System
- 3:10 - 3:30 Coffee Break & Networking with the Exhibitors

Session Six: Therapy for Stones

Moderators: Margaret S. Pearle, MD, PhD & Amy E. Krambeck, MD

- 3:30 Davis Viprakasit, MD (nominee) - Patient Desired Outcomes Following Stone Surgery

- 3:50 Kelly A. Healy, MD, FACS (nominee) – Impact of Dedicated Acute Care Urology Service for the Acute Stone Patient
- 4:10 Daniel Wollin, MD - I Have the Power! The Current State of High-Powered Laser Technology
- 4:30 Michael R. Bailey, PhD (nominee) - Preliminary Preclinical Safety and Effectiveness of Burst Wave Lithotripsy
- 4:50 Tim Large, MD - Novel Approach to Dietary Potassium Citrate Supplementation to Combat Nephrolithiasis
- 5:10 Khashayar Sakhaee, MD - The Effect of Pioglitazone/Placebo in Biochemical and Acid Base Profiles in Uric Acid Stone Formers
- 5:30 *Program Concludes*
- 5:30 - 6:00 Business Meeting (*Members only*)
- 5:45 & 6:15 Bussing to Dinner at ArtisanWORKS from Flaum Atrium (all are welcome)
- 6:30 - 9:00 Dinner at ArtisanWORKS*

**Bussing will be available after the dinner back to the Staybridge Suites Hotel*