

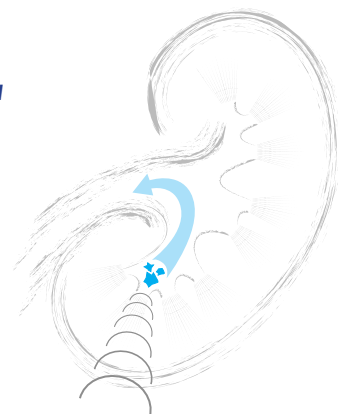
2016 PRESENTATION SCHEDULE

NIH NIDDK Program Project Group DK043881

Engineering and Urology Society (EUS) – Section of the Endourological Society

Saturday 7 May (7:15 AM–4:30 PM, Marriott: Marina DE)

- 8:18–8:28 AM **BURST WAVE LITHOTRIPSY: NONINVASIVE STONE DISINTEGRATION BY FOCUSED ULTRASOUND WITHOUT SHOCK WAVES**
Speaker: Adam Maxwell
- 11:30–11:50 AM **EUS Best Abstract Award: INCREASED CONTRAST OF STONE SPECIFIC ULTRASOUND IMAGING IN HUMAN SUBJECTS**
Speaker: Philip C. May, MD
- 2:00–2:10 PM **THE EVOLVING ROLE OF RENAL ENDOSCOPY AS A DIAGNOSIS TOOL FOR PATIENTS WITH NEPHROLITHIASIS**
Speaker: Michael S. Borofsky, MD



Posters at EUS (1:30–4:30 PM)

1. PC May, Y Haider, B Dunmire, BW Cunitz, J Thiel, Z Liu, MR Bailey, MD Sorensen, JD Harper, **Stone-mode Ultrasound for the Imaging of Renal Stones**, Engineering and Urology Society AUA, 2016
2. GR Schade, TD Khokhlova, YN Wang, PC May, AD Maxwell, DW Lin, MR Bailey, VA Khokhlova, **Initial Assessment of Boiling Histotripsy Ablation of ex vivo Human Renal Tumors vs. Renal Cortex**, Engineering and Urology Society AUA, 2016
3. M Bruce, BW Cunitz, B Dunmire, J Simon, O Sapozhnikov, MR Bailey, J Thiel, PC May, MD Sorensen, JD Harper, **Similarities of Harmonic Doppler Signals from Kidney Stones and Ultrasound Contrast Agents**, Engineering and Urology Society AUA, 2016
4. BW Cunitz, AD Maxwell, B Dunmire, B MacConaghy, MR Bailey, D Corl, O Levy, PC May, JD Harper, MD Sorensen, **Broadly Focused Beam for Improved Repositioning of Stone Fragments**, Engineering and Urology Society AUA, 2016
5. BW Cunitz, B Dunmire, Y Haider, JC Simon, OA Sapozhnikov, MR Bailey, J Thiel, AD Maxwell, PC May, MD Sorensen, JD Harper, **Increased Contrast of Stone Specific Ultrasound Imaging in Human Subjects**, Engineering and Urology Society AUA, 2016
6. JC Simon, YN Wang, BW Cunitz, J Thiel, F Starr, Z Liu, MR Bailey, MD Sorensen, **The Effect of Inhaled Carbon Dioxide on Kidney Stone Detection with Ultrasound**, Engineering and Urology Society AUA, 2016

AUA Presentations

Saturday 7 May

10:30 AM–12:30 PM, SDCC: 30DE

Stone Disease: Surgical Therapy II

PD18-07: GLOBAL COSTS OF MODERN FLEXIBLE URETEROSCOPY AT A HIGH VOLUME TEACHING HOSPITAL

Michael S Borofsky, Casey A Dauw, Nadya York, Christine Hoovler, James E Lingeman, Indianapolis, IN

1:00–3:00 PM, SDCC: Room 23AB

Surgical Technology & Simulation: Instrumentation & Technology II

PD19-11: PILOT ASSESSMENT OF TRANSCUTANEOUS BOILING HISTOTRIPSY ABLATION OF THE KIDNEY IN THE PORCINE MODEL

George R. Schade, Tatiana D. Khokhlova, Yak-Nam Wang, Frank Starr, Adam D. Maxwell, Wayne Kreider, Michael R. Bailey, Vera Khokhlova, Seattle, WA

Sunday 8 May

10:30 AM–12:30 PM, SDCC: Room 29CD

Urolithiasis

V6-01: INTRODUCTION OF A RENAL PAPILLARY GRADING SYSTEM FOR PATIENTS WITH NEPHROLITHIASIS

Michael S Borofsky, Indianapolis, IN, Andrew J Cohen, Blake B Anderson, Chicago, IL, Jessica E Paonessa, Syracuse, NY, Andrew P Evan, James C Williams, Indianapolis, IN, Fredric L Coe, Elaine M Worcester, Glenn S Gerber, Chicago, IL, James E Lingeman, Indianapolis, IN

1:00–3:00 PM, SDCC: Room 30ABC

Stone Disease: Surgical Therapy V

MP51-10: URETERAL STRICTURES AFTER URETEROSCOPY FOR NEPHROLITHIASIS: MULTI-INSTITUTIONAL OUTCOMES

Philip May, Seattle, WA, Ryan Hsi, San Francisco, CA, Henry Tran, Vancouver, Canada, Marshall Stoller, San Francisco, CA, Ben Chew, Vancouver, Canada, Thomas Chi, Manint Usawachintachit, San Francisco, CA, Brian Duty, Portland, OR, John Gore, Jonathan Harper, Seattle, WA

MP51-11: RATE OF URETERAL STRICTURE FOLLOWING URETEROSCOPY FOR NEPHROLITHIASIS USING A NATIONAL DATABASE OF INSURED PATIENTS

Philip May, Sarah Holt, Joshua Calvert, Jonathan Harper, Seattle, WA

3:30–5:30 PM, SDCC: Room 31

Stone Disease: Shock Wave Lithotripsy

MP54-02: DEVELOPMENT OF A NOVEL MAGNETIC RESONANCE IMAGING (MRI) ACQUISITION AND ANALYSIS WORKFLOW FOR THE QUANTIFICATION OF RENAL HEMORRHAGIC INJURY

Paul Territo, Rajash Handa, Philip Blomgren, Lin Chen, Cynthia Johnson, Lie Jiang, Bret Connors, Gary Hutchins, Indianapolis, IN

MP54-12: LONG-TERM EFFECT OF SHOCK WAVE LITHOTRIPSY ON URINE pH: A STUDY USING METABOLIC SYNDROME PIGS

Rajash Handa, Bret Connors, Ziyue Liu, Cynthia Johnson, Indianapolis, IN

MP54-13: DETECTION AND ASSESSMENT OF HEMORRHAGIC KIDNEY INJURY CAUSED BY BURST WAVE LITHOTRIPSY USING ULTRASOUND AND MAGNETIC RESONANCE IMAGING

Adam Maxwell, Wayne Kreider, Yak-Nam Wang, Philip May, Donghoon Lee, Joshua Park, Bryan Cunitz, Mathew Sorensen, Seattle, WA, Rajash Handa, Indianapolis, IN, Michael Bailey, Jonathan Harper, Seattle, WA

MP54-10: COMPARISON OF RENAL INJURY IN THE PIG USING THE DORNIER COMPACT S LITHOTRIPTER OPERATING AT POWER LEVEL 6 AND 120 SHOCKS/MINUTE OR 60 SHOCKS/MINUTE

Bret Connors, Rajash Handa, Cynthia Johnson, James Lingeman, Indianapolis, IN

Monday 9 May

8:00–10:00 AM, SDCC: Room 33

Stone Disease: Basic Research & Pathophysiology I

MP58-04: DISCOVERY AND IMPLICATIONS OF INAPPROPRIATELY ALKALINE MICROENVIRONMENTS WITHIN THE FUNCTIONING HUMAN KIDNEY

Michael S Borofsky, Andrew P Evan, James C Williams, Rajash K Handa, Casey A Dauw, Sharon Bledsoe, Indianapolis, IN, Fredric L Coe, Elaine M Worcester, Chicago, IL, James E Lingeman, Indianapolis, IN

MP58-02: NOVEL INSIGHT INTO STONE FORMATION MECHANISMS USING MICRO CT: VERIFICATION THAT RANDALL'S PLAQUES AND DUCTAL PLUGS CAN PRODUCE CLINICALLY SIGNIFICANT STONES

James C. Williams, Jr., Michael S. Borofsky, Andrew P. Evan, Indianapolis, IN, Fredric Coe, Elaine Worcester, Chicago, IL, James E. Lingeman, Indianapolis, IN

MP58-10: CLASSIFICATION OF STONE PATIENTS BY MICRO CT STUDY OF STONES: CORRELATION WITH PAPILLARY PATHOLOGY

James C. Williams, Jr., Michael S. Borofsky, Casey Dauw, Andrew P. Evan, Indianapolis, IN, Fredric Coe, Elaine Worcester, Chicago, IL, James E. Lingeman, Indianapolis, IN

MP58-11: COMBINATION OF MICRO CT WITH INFRARED SPECTROSCOPY PROVIDES THE MOST COMPLETE APPROACH FOR STONE ANALYSIS

James C. Williams, Jr., James E. Lingeman, Indianapolis, IN