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)

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 HISTOTRIPSYABLATION 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

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, Ya-Kam 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 & 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 Worchester, 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 Worchester, 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