Ultrasonic Detection, Propulsion, and Comminution of Kidney Stones

Current Research at the University of Washington

PLENARY LECTURES

Novel Use of Ultrasound for Kidney Stone Management — First Clinical Trial
Jonathan Harper et al.
Saturday, 16 May 2015
Plenary Session 3
9:30 – 10:45 AM (10:00 – 10:15)
Hilton, Napoleon Ballroom

Ultrasonic Propulsion of Kidney Stones — Results from First in Human Trial
Jonathan Harper and Michael Bailey
Tuesday, 19 May 2015
10:00 AM – 12:05 PM (11:05 – 11:20)
NOMCC: Hall B1
American Urology Association Meeting

Saturday, 16 May 2015

8:00–10:00 AM • Imaging/Radiology: Uroradiology III • NOMCC: 225–227

MP17-01: The posterior acoustic shadow: Evaluating stone size in pediatric stone formers

Sunday, 17 May 2015

8:00–10:00 AM • Kidney Cancer: Basic Research I • NOMCC: 225–227

MP39-14: Boiling histotripsy ablation of in vivo renal carcinoma in the Eker rat
George Schade, Y-N Wang, S. D’Andrea, J.H. Hwang, D. Lin, M. Bailey, T. Khokhlova

Monday, 18 May 2015

1:00–3:00 PM • Stone Disease: New Technology • NOMCC: 224

PD42-02: A preclinical image-guided therapy system for burst wave lithotripsy

PD42-01: Report on the feasibility of ultrasound to reposition kidney stones in humans

Engineering and Urology Society Meeting of the AUA

Saturday, 16 May 2015 • Hilton New Orleans Riverside

Best Paper

MR-guided boiling histotripsy of the kidney using a clinical high intensity focused ultrasound system
George Schade, N. Farr, Y-N Wang, T. Khokhlova, A. Partanen, W. Kreider, A. Maxwell, M. Bailey, V. Khokhlova
9:15–9:30 AM • Awards Session
1:00–2:30 PM • Poster Session 1 • Poster #24

1:00–2:30 PM • Poster Session 1

Poster #18: Pilot evaluation of histotripsy ablation for Peyronie’s Disease: Characterization of histologic effects in ex vivo plaques
George Schade, Y. Haider, A. Maxwell, Y-N Wang, T. Khokhlova, F. Lee, M. Bailey, H. Wessells

Poster #21: In vitro experiments on the etiology of the kidney stone twinkling artifact in ultrasound maging

3:00–4:30 PM • Poster Session 2

Poster #48: Decellularization of tissue using ultrasound for regenerative medicine
George Schade, Y-N Wang, T. Khokhlova, W. Kreider, A. Maxwell, N. Farr, M. Bailey, V. Khokhlova

Innovations in Urology Session of the AUA and Endourological Society

Saturday, 16 May 2015

3:20–3:27 PM • Industry Update Theater • Booth 1043 in the Science + Technology Hall

MR-guided boiling histotripsy of the kidney using a clinical high intensity focused ultrasound system