Moving and Breaking Stones with Ultrasound
Noninvasive Detection, Fragmentation, and Expulsion of Kidney Stones

A University of Washington research team is developing a dedicated ultrasound system to reposition and fragment kidney stones.

They are working toward additional modalities including improved stone detection and stone characterization.

- Stone Detection
- Stone Sizing
- Stone Repositioning
- Stone Communion

ap.l.uw.edu/PushingStones
www.sonomotion.com

UNIVERSITY OF WASHINGTON
- Center for Industrial and Medical Ultrasound, Applied Physics Laboratory
- Department of Urology
- Center for Commercialization

Real-time B-mode imaging. With a single 0.5 sec ultrasound pulse the stone (blue arrow) makes a single movement over several centimeters from the calyx to the ureteropelvic junction. All motion occurs in about 1 sec.