

# Most patients undergo follow-up after pediatric pyeloplasty

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(HealthDay)—Most patients are followed up after pediatric pyeloplasty, with ultrasound being the most common imaging modality, according to a study published in the September issue of *The Journal of Urology*.

Ryan S. Hsi, M.D., from Seattle Children's Hospital, and colleagues characterized trends in frequency and modality of postoperative imaging after open and minimally invasive pediatric pyeloplasty. Pediatric patients (aged 0 to 18 years) undergoing pyeloplasty between 2007 and 2013 were identified using the MarketScan database. Follow-up imaging was classified as functional or nonfunctional.

The researchers identified 926 patients, of whom 30 percent underwent

minimally invasive pyeloplasty. No postoperative imaging was available for 5.9 percent of patients. Ninety-one percent of patients underwent at least one imaging study within the first six months postoperatively, and 24 percent underwent renography (functional imaging). Ninety-one percent underwent at least one imaging study within the first 12 months postoperatively, most commonly [ultrasound](#). Almost one-third of patients were not followed with imaging after 12 months. Most of the 71 percent undergoing imaging underwent ultrasound. On multivariate analysis, younger age and female gender were independently associated with frequent imaging.

"Following pediatric pyeloplasty there is variation in modality and frequency of imaging follow-up," the authors write. "The majority of [patients](#) are followed with renal ultrasound, with less frequent use of functional imaging."

One author disclosed financial ties to C-SATS Inc.

**More information:** [Abstract](#)  
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