

Special Issue on Pediatric Stone Disease

Call for Papers

The incidence of pediatric stone disease is rapidly rising. While there are guidelines for the treatment of adult stone formers, the field of pediatric urology has fallen short on standardizing treatment guidelines for children. Improvements in technology have allowed us to offer minimally invasive options to our patients at a relatively low complication rate with acceptable success rates. The importance of understanding the pathophysiology and risk factors for recurrent pediatric stone formers cannot be understated.

The main focus of this special issue will be to review the current status of our understanding of pediatric stone disease. Our ability to diagnose and treat these patients effectively will directly affect our interests to standardize the management and work-up of pediatric stone formers while stimulating future research about this important issue we are facing more frequently. The topics to be covered include, but not limited to:

- Pediatric stone epidemic
- Obesity and pediatric stone disease
- Contemporary management/work-up of pediatric stone formers
- Extracorporeal shock wave lithotripsy in children
- Ureteroscopy in children
- Use of stents following ureteroscopy
- Active dilation of the ureteral orifice: current status
- Percutaneous nephrostolithotomy in children
- Percutaneous access in children with spinal abnormalities
- Pediatric disease states associated with stone formation
- Responsible use of radiation in the era of pediatric stone disease
- Clinically insignificant stone fragments in children: do they matter?
- Metabolic work-up of pediatric stone formers
- Implications of hypercalciuria on BMD in children
- Open stone surgery in an era of minimally invasive techniques: is there a role?
- Cystinuria in children
- Current management of staghorn calculi in children

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