



## Recent Advances in Clinical Management of Urolithiasis

Guest Editor:

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### Message from the Guest Editor

With the advancements of endoluminal technologies and techniques, the management of upper urinary tract stones has dramatically changed. We now have various tools available that can help patients, such as high-power Holmium lasers, Thulium fiber lasers, single flexible ureteroscopy (fURS), percutaneous miniature instruments, and irrigation methods, and a robotic retrograde approach has now also been developed.

This Special Issue aims to highlight the most recent outcomes of clinical studies and scientific research on the following topics:

How to use reusable fURS or single fURS;

How to use high-power Ho laser or Thulium fiber laser lithotripsy in upper urinary tract stones;

The benefits of different irrigation methods, such as gravity, hand-pump, pressure-bag, or automated irrigation pump;

How robotic retrograde intrarenal surgery works;

Current management of 2–3 cm kidney stones or staghorn stones;

Current opinions regarding how to manage 5–10 mm lower pole kidney stones;

How to manage ureteral stones;

Patient-entered QOL for stone treatment;

Surgeon ergonomics during endourological surgery.





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