



VP01

Combine Percutaneous Nephrolithotomy (PCNL) and Ureterorenoscopy (URS) for upper ureter stone

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Aim: We presented treatment of upper ureteric stone by combining Percutan nephrolithotomy (PCNL) and Ureterorenoscopy (URS).

Method: A 64- year- old woman admitted Urology service with right flank pain and fever. The patient had astma and diabetes mellitus Ultrasonoraphy showed Grade 3 hydronephrosis and 25 mm stone in the right upper ureter which was confirmed by non-contrast CT scan. Creatinin level was 2.49 mg/dl. Firstly we performed nephrostomy tube. After antibiotheapy we performed PCNL and fragmanted small size of stone. Then, we examined retrograt URS with Holimium laser. Many of the stone was pushed to the renal pelvis by URS and fragmanted by lithotriptor. We observed stone free. D-J catheter and nephrostomy tube were placed. No complication occrred intraoperatively and postoperatively. Nephrostomy tube and D-J catheter were extracted at postoperative 4th an 30th day, respectively.



Figure 1. Preoperative image



Figure 2. Postoperative image

Result: PCNL combined URS is safe procedure for big stone in upper ureter.