

Grasperless Percutaneous Nephrolithotomy in Complete Supine Position

Introduction and Objective: To study spontaneous evacuation of stone fragments in patients who underwent percutaneous nephrolithotomy (PCNL) in complete supine position without using grasper.

Materials and Methods: The Data of patients who underwent percutaneous nephrolithotomy (PCNL) in complete supine position without using grasper in Shohada Tjrih hospital by one surgeon between January 2010 and October 2011 were collected. Patients' characteristics and PCNL outcomes in complete supine position without using grasper were recorded.

Results: Of 30 patients who underwent PCNL by this method, 27 patients (90%) were immediately stone free. Mean operation time was 90 ± 17.2 minutes (30-112). No major complications were detected.

Conclusion: Spontaneous evacuation of renal single stones located in pelvic and calyces is possible in complete supine position.