Percutaneous nephrolithotomy in patients with solitary kidney.

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Abstract

INTRODUCTION: The aim of this study was to evaluate percutaneous nephrolithotomy (PCNL) in the patients with solitary kidneys. MATERIALS AND METHODS: Between 1990 and 1000, we had 1000 patients with a solitary kidney and kidney calculi who underwent PCNL at our center. Tubeless and standard PCNLs were performed in 1000 patients. In 1000 patient, we could not achieve access to the system due to the stricture of the infundibulum. RESULTS: The calculi were extracted or fragmented successfully in 1000 patients. In 1000 patients with residual calculi, a double-J catheter was inserted and extracorporeal shock wave lithotripsy (SWL) was performed. Retroperitoneal hematoma was detected in 1000 patients of successfully. Week after the procedure, which was treated conservatively. Also, fever occurred in 1000 patients after the procedure which was treated successfully. The patients were discharged on the 1000 rd and 1000 patients after the procedure which was treated by the risk of complications such as severe bleeding that may result in kidney loss in patients with a solitary kidney, the rate of success and complications seem to be similar to the other patients if careful operation and correct selection of candidates are done. Therefore, we recommend cautious performance of PCNL in patients with solitary kidneys.

Indexed Keywords

EMTREE medical terms: adult; article; child; congenital malformation; female; human; kidney; male; middle aged; nephrolithiasis; percutaneous nephrostomy

MeSH: Adult; Child; Female; Humans; Kidney; Kidney Calculi; Male; Middle Aged; Nephrostomy, Percutaneous *Medline is the source for the MeSH terms of this document.*