

عنوان مقاله:

Evaluation of "UNDER VISION TOTAL TUBELESS PCNL" as a Novel Technique in Comparison to TOTAL TUBELESS PCNL

محل انتشار:

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خلاصه مقاله:

Introduction: This study aims to evaluate Under Vision Total Tubeless PCNL (TT-PCNL) as a novel technique in reducing surgeon exposure to X-rays compared to the standard Total Tubeless PCNL. Percutaneous nephrolithotomy (PCNL) has been widely welcomed as a less-invasive medication for kidney stones. However, because it is usually performed using fluoroscopy, the endourologist is at risk of chronic X-ray exposure. **Methods:** The number of ۷۶ consecutive patients who were candidates for PCNL surgery was randomized into two groups: ۳۸ patients experienced TT-PCNL, and ۳۸ patients underwent Under Vision TT-PCNL. The results were compared with fluoroscopy time and surgeon satisfaction. **Results:** The fluoroscopy time in the Under Vision TT-PCNL group was lower than in the Total Tubeless PCNL group (۰.۰۲). Surgeon satisfaction was higher in the Under Vision Total Tubeless PCNL group than in the TT-PCNL group (P-value=۰.۰۰۱). The mean total duration of surgery in the TT-PCNL under the Vision group was lower than the Total Tubeless PCNL group (P-value=۰.۰۰۴). There was no significant difference between the two groups' complications. **Conclusion:** The Under Vision TT-PCNL is compared to the normal PCNL in safety and effectiveness, but also it can significantly reduce the use of a fluoroscope. Moreover, surgeon satisfaction is better compared to the standard technique.

کلمات کلیدی:

Renal stone, PCNL, Fluoroscopy, Under Vision, Stone Free Rate, Kidney Stones

لینک ثابت مقاله در پایگاه سیویلیکا:

