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Does the anesthesia type have an effect on the operation result on the patients who undergo ureterorenoscopy (URS)?

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Objectives: Ureteral stone is a disease with many treatment options in nowadays. Transurethral ureterorenoscopy (URS) comes into prominence at the treatment of ureteral stones today. URS is usually performed under general anesthesia in nowadays.

Methods: The medical records of 1305 patients who underwent URS due to ureteral stones in the Urology Clinics of Baskent University Ankara and Konya Application and Research Centers between 1996 and 2011 have been evaluated retrospectively. Patients were divided into two groups, first group was the patients who underwent URS with general anesthesia and second group with spinal anesthesia. Patients with kidney or ureter anomaly, who underwent additional surgical procedures at the same session, pregnant, children (younger than 18 years) and whose records could not be reached are not included to this study.

Results: When the URS results (stonefree or residue fragment) of the general anesthesia applied patients and spinal anesthesia are compared;75% patients were stone free in general anesthesia group when it was 79% in spinal anesthesia group.

Conclusion: Consequently, no statistically significant difference has been found between anesthesia type and URS result.

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