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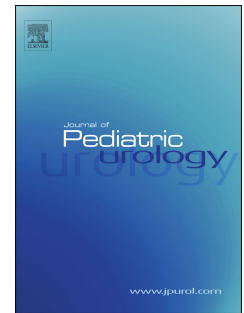
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Transumbilical multi-port laparoscopic pyeloplasty versus transumbilical single-site laparoscopic pyeloplasty for ureteropelvic junction obstruction in children: a retrospectively comparative study

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Summary Introduction: Laparoscopic pyeloplasty has achieved good cosmetic and functional outcomes. Both transumbilical single-site and transumbilical multi-port approaches are currently being used. No comparison of transumbilical single-site laparoscopic pyeloplasty (TSLP) and transumbilical multi-port laparoscopic pyeloplasty (TMLP) has been reported in the literature.

Objectives: We present a retrospective comparison study to evaluate clinical outcomes of TSLP and TMLP for children with ureteropelvic junction obstruction (UPJO).

Study design: A retrospective study was carried out comparing TSLP and TMLP performed by a single surgeon between July 2012 and June 2014. The patient data of the two groups (90 in each group) were evaluated. All patients underwent urine analysis, ultrasonography, magnetic resonance urography, and diuretic renogram using ⁹⁹Tc-diethylene triamine pentaacetic acid scan preoperative and postoperative follow-up. Data were analyzed using the SPSS 20.0 software package.

Results:

Median ages, years	Median operative time, minutes	Median POASA scores
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