

Transmesocolic pyeloplasty: Experience of a single center

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Purpose: We present our experience with dismembered left-sided pyeloplasty using a transmesocolic technique as a way to reduce operative time and facilitate repair by avoiding colon displacement. **Patients and Methods:** Between January 2004 and January 2006, a total of 11 transmesocolic laparoscopic pyeloplasties were performed by the same surgeon at our institution. The mean patient age was 41.6 years (range 14-65 years). Operative records and follow-up were reviewed. **Results:** A dismembered Anderson-Hynes pyeloplasty was carried out in nine patients (82%), while a Y-V plasty (9%) and a Fengerplasty (9%) were done in one patient each. Crossing vessels were observed in 8 patients (73%). A ureteral stent was left in all patients. The mean operative time was 88.6 minutes (range 60-125 minutes), and blood loss was minimal. Compared with classic transperitoneal laparoscopic left pyeloplasties, transmesocolic cases showed a significant reduction in operative time (88.6 minutes ? 117 minutes; P