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*Single port intravesical laparoscopic repair of vesicovaginal fistula*

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**Objective:** To report a new technique for repair of small sized (less than 5 fr.), supratrigonal vesicovaginal fistula using a minimally invasive single port laparoscopic approach to the fistula.

**Patients & Methods:** In all 10 women with vesicovaginal fistula were operated upon in the period between 2010 and 2012in El Galaa teaching hospital using a single port intratrasvesical laparoscopic approach of the fistula where a 2 cm suprapubic incision was done, an anterior bladder wall incision was done in which the port was placed and fixed in the urinary bladder. Complete dissection of the fistulous tract, and complete separation of the urinary bladder from the underneath vaginal wall was done. The urinary bladder was sutured in 2 continuous layers using 000 vicryl.

**Results:** Follow up for 8 cases was for one year, and 5 months for 2 patients. Follow up was for: urine leakage, any lower urinary symptoms such as burning micturition, frequency, urgency or urge incontinence. Urine analysis was done every 3 months to ensure absence of urinary tract infection. None of the 10 cases had any leakage after the repair. Only one case showed UTI, urgency from the group operated upon for the first time which was treated medically for 3 weeks. No other complications were reported.

**Conclusion:** This approach is a new minimally invasive technique where the fistula was exposed directly and has the advantages of short operative time, essay technique, no or very few intra and post-operative complications and short hospital stay.