

# **Experience of 3D laparoscopic pyeloplasty in a sat Lady Ridgeway Hospital for Children**

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## **Introduction**

Laparoscopic pyeloplasty is the gold standard method for treating patients with pelviureteric junction obstruction. It has proven to be safe and effective in pediatric population. However major draw back to laparoscopy is the technical challenge of precise suturing in the small working space in children.

## **Methods**

Retrospective analysis of the data of all the 3D laparoscopic pyeloplasties done by a single surgeon during the period of June 2015 to May 2016 was performed.

## **Results**

Total number of patients underwent laparoscopic pyeloplasty was 11. There were 8 male patients. The median age was 9yrs. All the procedures were performed trans abdominally. Intra operative finding were pelvi ureteric junction stenosis in 7 patients and aberrant vessel causing obstruction in 4 patients. One was converted to open procedure. Mean duration of surgery was 149.5min. Mean hospital stay was 6 days. None of the patients had major complications. After six weeks of surgey all the patients had symptomatic and ultrasonic improvement. Most of them had renographic improvement at six month.

## **Discussion and Conclusion**

Laparoscopic pyeloplasty gives better outcomes when compare to open pyeloplasty. It is the safe procedure in the hands of experience surgeon.